NOTRE DAME ACADEMY
CREATING WOMEN OF VISION

AN INTERNATIONAL BACCALAUREATE WORLD SCHOOL

COURSE CATALOG & CURRICULUM GUIDE
2017-2018

NOTRE DAME ACADEMY MISSION STATEMENT

NOTRE DAME ACADEMY, A CATHOLIC COLLEGE PREPARATORY SCHOOL FOR GRADES 7-12 SPONSORED BY THE SISTERS OF NOTRE DAME, PROMOTES THE HOLISTIC DEVELOPMENT AND EMPOWERMENT OF YOUNG WOMEN FOR LEADERSHIP AND SERVICE BY PROVIDING AN EXCEPTIONAL EDUCATIONAL EXPERIENCE PERMEATED WITH GOSPEL VALUES.

3535 West Sylvania Ave.
Toledo, OH 43623
419-475-9359
WWW.NDA.ORG
Equal Opportunity Educational Provider

Notre Dame Academy admits students of any race, color, national and ethnic origin to all the rights, privileges, programs and activities generally accorded or made available to students at the school. It does not discriminate on the basis of race, color, national or ethnic origin in the administration of its educational and admissions policies, scholarship and loan programs, or athletic and other school programs.

From the Counseling Professionals at NDA...

Our mission is to help your daughter to grow spiritually, intellectually, emotionally and physically into the ‘Woman of Vision’ that God has called her to be. We recognize that no two girls are alike. Therefore, Notre Dame offers a wide variety of courses along with individual support from Faculty and Counselors who work collaboratively to ensure that students are enrolled in the right courses. Counselors meet with every student a minimum of three times throughout the year to review their academic, personal, college and career goals. Counselors also have students complete Graduation progress checks annually. Students are welcome and encouraged to meet with their Counselor at their convenience.
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Notre Dame Academy
INTERNATIONAL BACCALAUREATE WORLD SCHOOL

Notre Dame Academy is proud to be the only school in Northwest Ohio to offer the internationally recognized International Baccalaureate (IB) program.

In keeping with the demands of a 21st century world, the IB curriculum encompasses the study of rich content. Additionally, IB courses require the learner to engage in creativity, critical analysis, seminars, advanced research and writing tasks, in addition to collaborative project based learning -while viewing one’s academic experience through a global lens.

INTERNATIONAL BACCALAUREATE COURSES OFFERED AT NOTRE DAME ACADEMY

Language Arts (Group 1)
English HL

Language Acquisition (Group 2)
Chinese SL
French SL, HL
Latin SL, HL
Spanish SL

Individuals & Societies (Group 3)
History HL

Business
Business Management SL

Sciences (Group 4)
Biology HL
Physics SL, HL

Mathematics (Group 5)
Mathematical Studies SL
Mathematics SL

The Arts (Group 6)
Music SL, HL
Theatre Arts SL, HL
Visual Arts SL, HL

*Diploma Candidates
Creativity, Action, Service
Extended Essay
Theory of Knowledge

On-line Courses:
Business and Management SL, HL
Chinese (Ab Initio) SL
Economic SL, HL
French (Ab Initio) SL
Film SL
Information Technology in a Global Society SL, HL
Mathematics HL
Philosophy SL
Psychology SL, HL
Spanish B (Ab Initio) SL

INTERNATIONAL BACCALAUREATE (IB)
STANDARD LEVEL (SL) VS. HIGHER LEVEL (HL) COURSES

IB courses are offered at two different levels: Standard Level (SL) and Higher Level (HL). Standard Level (SL) is often described as a step up from Honors. Higher Level (HL) courses are equivalent to upper college level coursework. Colleges accept Higher Level IB courses for credit. Some colleges accept Standard Level courses. However, both levels are challenging and provide students with college admission and academic skill advantages.
**IB Diploma vs. IB Certificate**

In the **IB Advanced Program of Study**, students learn a wide variety of intellectually stimulating practices. They learn to be:

- Inquirers
- Knowledgeable
- Thinkers
- Effective Communicators
- Principled
- Open-minded
- Caring
- Risk-takers
- Balanced
- Reflective

**INTERNATIONAL BACCALAUREATE DIPLOMA CRITERIA**

Full **International Baccalaureate (IB) Diploma** students are eligible to receive their IB Diploma in addition to their Notre Dame Academy High School Diploma by taking and passing **SIX OR MORE IB COURSES**. (One course from each of the designated Groups below). IB Diploma Candidates must complete certain criteria outlined on the [http://www.ibo.org/](http://www.ibo.org/) website. Students may mix and match IB course selections from the IB courses listed to meet categorical (Group) requirements. IB Diploma students must also complete a Theory of Knowledge (TOK) course, a Creativity, Service & Action (CAS) Project, in addition to completing a 4,000-word Extended Essay (EE) Research project.

**INTERNATIONAL BACCALAUREATE CERTIFICATE CRITERIA**

Students who intend to obtain an **International Baccalaureate (IB) Certificate** are required to take and pass **AT LEAST ONE AND NO MORE THAN FIVE IB COURSES**. Candidates must also complete the corresponding end of course exam paper. (Theory of Knowledge (TOK), Creativity, Action & Service (CAS) and Extended Essay (EE) are **not** required for the IB Certificate. (Students who participate in the IB Certificate program also receive a Notre Dame Academy High School Diploma.)

All students interested in the International Baccalaureate (IB) program should contact the IB Coordinator, Ms. Joseph at ajoseph@nda.org by the end of their Sophomore year.
Are you IB READY?

How do I know if I am an IB Diploma student?

I have completed many graduation requirements:

- Two years of English
- Two years of Mathematics (Math II or higher)
- Two years of Theology
- Two years of Science (Biology & Chemistry)
- Three years of Social Studies (World History & one of the following: U.S. History, A.P. U.S. History, A.P. Art History or A.P. Psychology)
- Two years of Foreign Language (Same Language)
- Half year of Technology, Health & P.E.
- One year of Fine Arts Requirements (Art I & II for IB Art) or
- One year of Speech & Drama for IB Theatre or
- One year of Music for IB Music

IB is meant to be self-selecting. The following recommendations are available to help guide your decision. Students who do well in IB courses…

- Are generally strong students with an average of 95% in regular College Preparatory courses.
- Are Honors and Advanced Placement students who do well in their courses, usually earning an A or B.
- Are students who would like to enhance their high school transcript by taking challenging coursework.
- Are students who want to be the most prepared for college level reasoning, writing and research.

Why should I take an IB course?

- 91% of NDA students pass their IB end of course exam papers.
- Over +150 NDA students are currently enrolled in IB courses.
- Colleges look favorably upon students who select the most challenging coursework their high school has to offer and often award college credit for IB courses taken while in high school.
- The IB Profile offers a unique way of viewing content. The IB method trains students to engage in higher level critical thinking, research, writing skills, creativity and so much more.
<table>
<thead>
<tr>
<th>NDJA General Graduation Requirements (Grades 7-8)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Language Arts</strong></td>
</tr>
<tr>
<td>- English 7 (1.0 credit)</td>
</tr>
<tr>
<td>- English 8 (1.0 credit)</td>
</tr>
<tr>
<td><strong>Math</strong></td>
</tr>
<tr>
<td>- Math Fundamentals 7 (1.0 credit)</td>
</tr>
<tr>
<td>- Math Foundations 8 (1.0 credit)</td>
</tr>
<tr>
<td>- <em>Higher level Math electives/options count towards graduation credit as well</em></td>
</tr>
<tr>
<td><strong>Theology</strong></td>
</tr>
<tr>
<td>- Theology 7 (1.0 credit)</td>
</tr>
<tr>
<td>- Theology 8 (1.0 credit)</td>
</tr>
<tr>
<td><strong>Science</strong></td>
</tr>
<tr>
<td>- Science 7 (1.0 credit)</td>
</tr>
<tr>
<td>- Science 8 (1.0 credit)</td>
</tr>
<tr>
<td><strong>Social Studies</strong></td>
</tr>
<tr>
<td>- Ancient Civilizations 7 (1.0 credit)</td>
</tr>
<tr>
<td>- U.S. History 8 (1.0 credit)</td>
</tr>
<tr>
<td><strong>Fine/Performing Arts</strong></td>
</tr>
<tr>
<td>- Speech &amp; Drama (.50 credit)</td>
</tr>
<tr>
<td>- Play Production (.50 credit)</td>
</tr>
<tr>
<td>- Intro to Visual Arts (.50 credit)</td>
</tr>
<tr>
<td>- Advanced Intro to Visual Arts (.50 credit)</td>
</tr>
<tr>
<td>- 3-D Art (.50 credit)</td>
</tr>
<tr>
<td><strong>Physical Education</strong></td>
</tr>
<tr>
<td>- NDJA Physical Education (.25 credit)</td>
</tr>
<tr>
<td><strong>Mandatory Annual Retreat</strong></td>
</tr>
<tr>
<td>- 0</td>
</tr>
<tr>
<td><strong>Total Credits Required to Graduate</strong></td>
</tr>
<tr>
<td>- 11.25</td>
</tr>
<tr>
<td><strong>General Graduation Requirements Grades 9-12</strong></td>
</tr>
<tr>
<td>-----------------------------------------------</td>
</tr>
<tr>
<td><strong>Language Arts</strong></td>
</tr>
<tr>
<td>▪ English I (1 credit)</td>
</tr>
<tr>
<td>▪ English II (1 credit)</td>
</tr>
<tr>
<td>▪ English III (1 credit)</td>
</tr>
<tr>
<td>▪ English IV (1 credit)</td>
</tr>
<tr>
<td><strong>Math</strong></td>
</tr>
<tr>
<td>▪ Math I (1 credit)</td>
</tr>
<tr>
<td>▪ Math II (1 credit)</td>
</tr>
<tr>
<td>▪ Math III (1 credit)</td>
</tr>
<tr>
<td>▪ Math IV (1 credit)</td>
</tr>
<tr>
<td>▪ <em>Higher level Math electives/options count towards graduation credit as well</em></td>
</tr>
<tr>
<td><strong>Theology</strong></td>
</tr>
<tr>
<td>▪ Theology I: Jesus Christ: God’s Revelation &amp; Mission &amp; Ministry (1 credit)</td>
</tr>
<tr>
<td>▪ Theology II: Jesus Christ: Source of Salvation &amp; Church &amp; Sacraments (1 credit)</td>
</tr>
<tr>
<td>▪ Theology III: Theology of the Body &amp; Morality (1 credit)</td>
</tr>
<tr>
<td>▪ Theology IV: Faith in Action (Social Teachings) &amp; Logic, Reason &amp; Apologetics (1 credit)</td>
</tr>
<tr>
<td><strong>Science</strong></td>
</tr>
<tr>
<td>▪ Biology (1 credit)</td>
</tr>
<tr>
<td>▪ Chemistry (1 credit)</td>
</tr>
<tr>
<td>▪ Science Elective (1 credit)</td>
</tr>
<tr>
<td><strong>Social Studies</strong></td>
</tr>
<tr>
<td>▪ World History (1 credit)</td>
</tr>
<tr>
<td>▪ U.S. History (1 credit)</td>
</tr>
<tr>
<td>▪ American Government (.50 credit)</td>
</tr>
<tr>
<td>▪ Social Studies Elective (.50 credit)</td>
</tr>
<tr>
<td><strong>Foreign Language (same language)</strong></td>
</tr>
<tr>
<td>▪</td>
</tr>
<tr>
<td><strong>Fine/ Performing Arts</strong></td>
</tr>
<tr>
<td>▪</td>
</tr>
<tr>
<td><strong>Physical Education</strong></td>
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<tr>
<td>▪</td>
</tr>
<tr>
<td><strong>Health</strong></td>
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<tr>
<td>▪</td>
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<tr>
<td><strong>Computer Applications or Music Technology</strong></td>
</tr>
<tr>
<td>▪</td>
</tr>
<tr>
<td><strong>Financial Literacy</strong></td>
</tr>
<tr>
<td>▪ Financial Literacy via Moodle (on-line) (.25 credit)</td>
</tr>
<tr>
<td>▪ Personal Finance (.50 credit)</td>
</tr>
<tr>
<td>▪ Economics (.50 credit)</td>
</tr>
<tr>
<td>▪ <em>Students cannot use Economics as Social Studies and Financial Literacy requirement</em></td>
</tr>
<tr>
<td>▪ IB Business Enrollment (1 credit per year)</td>
</tr>
<tr>
<td><strong>Senior Project</strong></td>
</tr>
<tr>
<td>▪</td>
</tr>
<tr>
<td><strong>Service Learning Hours (100 clock hours)</strong></td>
</tr>
<tr>
<td>▪</td>
</tr>
<tr>
<td><strong>Mandatory Annual Retreat</strong></td>
</tr>
<tr>
<td>▪</td>
</tr>
<tr>
<td><strong>Total Credits Required to Graduate</strong></td>
</tr>
</tbody>
</table>
The **Student Centered Schedule** is a research-based measure that promotes a later school start time and strategic break periods for adolescents. The Student Centered Schedule contributes to the positive development of women’s health, nutritional, rest and organizational needs and is a popular hallmark of the Notre Dame experience. In short, the schedule contributes to the holistic growth and independence of students and offers academic benefits as well.

**Its advantages include:**

- **Block schedule classes are longer which fosters more project-based learning, extended lab time and more in-depth class discussions.**

- **Breaks are built in so students are ready to learn when they are in class.**

- **Each class is every other day, allowing more time to complete homework and manage after school sports, work or extra-curricular activities.**

- **Advanced Placement (AP) and International Baccalaureate (IB) classes require end of course exams and meet for the full academic year so the material stays fresh in students’ minds, allowing them to score higher and earn more college credit.**

- **All students have lunch at the same time so students can always dine with their friends and attend club meetings.**
## Taking Care of Business & Student Flex Time

### Taking Care of Business (TCB):

Each day begins with 15 minutes of Taking Care of Business (TCB) time.

During **Taking Care of Business (TCB)** time, students:

- ✔ Prayer/Pledge of Allegiance/Student Council Announcements
- ✔ Check NDA Email from Faculty, Coaches, Clubs etc.
- ✔ Get organized for the day

### Student Flex Time (SFT):

The very popular mid-morning 20-minute Student Flex Time is student’s time to use to connect with teachers and peers.

During **Student Flex Time (SFT)**, students:

- ✔ Listen to announcements

*Students are dismissed to…*

- ✔ Access Teachers for tutoring/questions
- ✔ Access Counselors
- ✔ Nutrition time
- ✔ Hydration time
- ✔ Bathroom break
- ✔ Study time
At Notre Dame Academy, students’ schedules are very closely linked to the curriculum. The various schedules are provided so that students are better able to plan accordingly and manage their course selections.

### Schedule 1

<table>
<thead>
<tr>
<th>Time</th>
<th>Period 1/5</th>
<th>Announcements</th>
<th>Flex Time</th>
<th>Period 2/6</th>
<th>Lunch</th>
<th>Period 3/7</th>
<th>Period 4/8</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:15-8:30</td>
<td>8:35-9:50</td>
<td>9:50-10:00</td>
<td>10:00-10:20</td>
<td>10:25-11:40</td>
<td>11:45-12:25</td>
<td>12:30-1:45</td>
<td>1:50-3:05</td>
</tr>
</tbody>
</table>

### Schedule 2 (Liturgy)

<table>
<thead>
<tr>
<th>Time</th>
<th>Period 1/5</th>
<th>Announcements</th>
<th>Assembly</th>
<th>Flex Time</th>
<th>Period 2/6</th>
<th>Lunch</th>
<th>Period 3/7</th>
<th>Period 4/8</th>
</tr>
</thead>
</table>

### Schedule 3 (Assembly)

<table>
<thead>
<tr>
<th>Time</th>
<th>Period 1/5</th>
<th>Announcements</th>
<th>Flex Time</th>
<th>Period 2/6</th>
<th>Lunch</th>
<th>Period 3/7</th>
<th>Period 4/8</th>
</tr>
</thead>
</table>

### Schedule 4 (PLC)

<table>
<thead>
<tr>
<th>Time</th>
<th>PLC</th>
<th>TCB</th>
<th>Period 1/5</th>
<th>Announcements</th>
<th>Period 2/6</th>
<th>Lunch</th>
<th>Period 3/7</th>
<th>Period 4/8</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:45-8:55</td>
<td></td>
<td></td>
<td>10:00-10:14</td>
<td>10:14-10:23</td>
<td>10:28-11:42</td>
<td>11:47-12:27</td>
<td></td>
<td></td>
</tr>
<tr>
<td>9:00-10:14</td>
<td></td>
<td></td>
<td>9:00-10:14</td>
<td>10:14-10:23</td>
<td>10:28-11:42</td>
<td>11:47-12:27</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
# Bell Schedule (cont.)

## Schedule 5 (Prayer Service)

<table>
<thead>
<tr>
<th>TLB</th>
<th>Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>TCB</td>
<td>8:15–8:30</td>
</tr>
<tr>
<td>Announcements</td>
<td>8:30–8:40</td>
</tr>
<tr>
<td>Assembly</td>
<td>8:50–9:35</td>
</tr>
<tr>
<td>Flex Time</td>
<td>9:40–10:00</td>
</tr>
<tr>
<td>Period 1/5</td>
<td>10:05–11:05</td>
</tr>
<tr>
<td>Period 2/6</td>
<td>11:10–12:10</td>
</tr>
<tr>
<td>Lunch</td>
<td>12:15–12:55</td>
</tr>
<tr>
<td>Period 3/7</td>
<td>1:00–2:00</td>
</tr>
<tr>
<td>Period 4/8</td>
<td>2:05–3:05</td>
</tr>
</tbody>
</table>

## Schedule 6 (2 Hour Delay)

<table>
<thead>
<tr>
<th>TLB</th>
<th>Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>TCB</td>
<td>10:15–10:30</td>
</tr>
<tr>
<td>Period 1/5</td>
<td>10:35–11:20</td>
</tr>
<tr>
<td>Announcements</td>
<td>11:20–11:30</td>
</tr>
<tr>
<td>Flex Time</td>
<td>11:30–11:50</td>
</tr>
<tr>
<td>Period 2/6</td>
<td>11:55–12:40</td>
</tr>
<tr>
<td>Lunch</td>
<td>12:45–1:25</td>
</tr>
<tr>
<td>Period 3/7</td>
<td>1:30–2:15</td>
</tr>
<tr>
<td>Period 4/8</td>
<td>2:20–3:05</td>
</tr>
</tbody>
</table>

## Schedule 7 (Assembly)

<table>
<thead>
<tr>
<th>TLB</th>
<th>Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>TCB</td>
<td>8:15–8:30</td>
</tr>
<tr>
<td>Period 1/5</td>
<td>8:35–9:33</td>
</tr>
<tr>
<td>Announcements</td>
<td>9:33–9:42</td>
</tr>
<tr>
<td>Flex Time</td>
<td>9:42–10:02</td>
</tr>
<tr>
<td>Period 2/6</td>
<td>10:07–11:05</td>
</tr>
<tr>
<td>Period 3/7</td>
<td>11:10–12:08</td>
</tr>
<tr>
<td>Lunch</td>
<td>12:13–12:53</td>
</tr>
<tr>
<td>Period 4/8</td>
<td>12:58–1:56</td>
</tr>
<tr>
<td>Assembly</td>
<td>2:05–3:05</td>
</tr>
</tbody>
</table>

## Schedule 8 (Pep Rally)

<table>
<thead>
<tr>
<th>TLB</th>
<th>Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>TCB</td>
<td>8:15–8:30</td>
</tr>
<tr>
<td>Period 1/5</td>
<td>8:35–9:44</td>
</tr>
<tr>
<td>Announcements</td>
<td>9:44–9:54</td>
</tr>
<tr>
<td>Flex Time</td>
<td>9:54–10:14</td>
</tr>
<tr>
<td>Period 2/6</td>
<td>10:19–11:28</td>
</tr>
<tr>
<td>Lunch</td>
<td>11:33–12:13</td>
</tr>
<tr>
<td>Period 3/7</td>
<td>12:18–1:27</td>
</tr>
<tr>
<td>Period 4/8</td>
<td>1:32–2:41</td>
</tr>
<tr>
<td>Pep Rally</td>
<td>2:50–3:05</td>
</tr>
</tbody>
</table>
**Course offerings: Grade 7**

7th & 8th graders are encouraged to meet with their Counselor if they have questions about their course selections. Many Junior Academy students take advanced course work and opt to start fulfilling high school graduation requirements early by enrolling in higher level Math, Foreign Language, high school Physical Education and Technology offerings while in their 8th grade year.

**Language Arts**

**Course Title:** ENGLISH 7  
**Grade Level:** 7  
**Credit:** 1.0  
**Description:** English 7 aims to develop students' writing, reading, and speaking skills. A variety of materials and techniques is used to develop competence in both oral and written communication, including the formation of individual paragraphs and then the five-paragraph essay. In grammar, the parts of speech are a major area of focus.

**Mathematics**

**Course Title:** MATH FUNDAMENTALS 7  
**Grade Level:** 7, 8  
**Credit:** 1.0  
**Description:** This course will prepare students for mastery in the study of Algebra and future success in the study of Geometry. Math Fundamentals introduces and enhances student's operative knowledge of Integers, Decimals, Fractions and Percentages. Special emphasis is placed on evaluating Numerical and Algebraic Expressions, and writing and solving Inequalities and Equations. Two and three dimensional Geometry and basic Data Analysis (including graphical representation) are also studied at depth.

**Mathematics**

**Course Title:** MATH FOUNDATIONS 8  
**Grade Level:** 7, 8  
**Credit:** 1.0  
**Description:** Admission to this course requires department approval or passing a Math Entrance Exam. Math Foundations builds and enhances Algebra and Geometry skills necessary for success in the subsequent Math 1 course. Along with deepening prior knowledge, special emphasis is placed upon the study of Real Numbers, Equations, Percent applications, basic Linear Functions, Geometric Measures, Statistics and Data Analysis, and Probability. Students are expected to have a solid understanding of operations with Decimals, Fractions and Integers.
Theology

COURSE TITLE: THEOLOGY 7
GRADE LEVEL: 7
CREDIT: 1.0
DESCRIPTION: Students will follow the 7th grade course of study required by the Roman Catholic Diocese of Toledo. Students will come to understand Scripture and Tradition as expressions of God’s Revelation in Jesus Christ. Through Jesus’ teachings the student learns to live the spirit of the kingdom in genuine, self-sacrificing love and reflect deeply on their responsibility to respect, nurture and protect the gift of life. The students will also learn the order and meaning of the Catholic mass as a celebration of Jesus’ life, death and resurrection.

Science

COURSE TITLE: SCIENCE 7
GRADE LEVEL: 7
CREDIT: 1.0
DESCRIPTION: In this integrated course of study, students will explore the different interactions that happen on our planet between living and non-living things. In addition, basic Chemical Reactions and Physics, including work, power and energy, are explored.

Social Studies

COURSE TITLE: ANCIENT CIVILIZATIONS 7
GRADE: 7
CREDIT: 1.0
DESCRIPTION: Students will explore and experience World History from 750 B.C. to 1600 A.D. The areas of focus are Ancient Greece and Rome as well as portions of Africa and Asia. This course will conclude with the study of the Middle Ages, Renaissance, and the age of Exploration. For each area of study, the students will examine different governmental, economic, and geographical influences on the Ancient World as well as explain, analyze, and evaluate historical events on a global scale.

Fine/Performing Arts

COURSE TITLE: JA CHOIR 7
GRADE: 7, 8
CREDIT: .50
DESCRIPTION: Students will learn and perform a variety of vocal literature from Broadway and A Cappella to Classical in this semester class. Students will learn the basics of harmony and music reading add have the opportunity to participate community and school performances and competitions. No experience necessary. This class is repeatable for credit.
**Fine / Performing Arts**  
**Course Title: BEGINNING STRINGS**  
**Grade:** 7, 8  
**Credit:** .50  
**Description:** Students will learn how to play a string instrument in a group setting during this semester class. As an ensemble, students will learn how to read music and explore string techniques on violin, viola, cello, or bass. Music appreciation, practice skills, and basic musicianship will be discussed. Students will perform in a concert at the end of the semester. No music experience necessary. Instruments may be the student’s own, rented, or provided by the school. Can be repeated for credit.

**Fine / Performing Arts**  
**Course Title: JAZZ ORCHESTRA**  
**Grade:** 7  
**Credit:** .50  
**Description:** *Pre-Requisite: previous music experience or two semesters of Beginning Strings.*  
This class is for students who already know how to play a musical instrument, have an interest in ensemble playing, and want to strengthen their musical skills. Students will work on basic musicianship skills to become more confident on their instrument. Practice technique, scales, and tuning will also be taught. The ensemble will perform in a short concert at the end of the semester. All instruments are welcome! Instruments may be the student’s own, rented, or provided by the school.

**Fine / Performing Arts**  
**Course Title: EXPLORATORY SPEECH & DRAMA**  
**Grade:** 7, 8  
**Credit:** .50  
**Description:** In this semester class, students will learn the basics of movement and speech through a variety of in class performances.

**Fine / Performing Arts**  
**Course Title: INTRO TO VISUAL ARTS**  
**Grade:** 7, 8  
**Credit:** .50  
**Description:** Maximum class size of 12  
Students will discover a variety of 2-D and 3-D projects that express their personal interests and experiences. Fundamental elements and principles are introduced. Graphite, color pencil, ink, acrylic paint, water color paint, clay, and sculpture are some of the media explored. Visual journals are utilized daily to explore new material, techniques and themes.

**NDJA Electives**  
**Course Title: EXPLORATORY JOURNALISM**  
**Grade:** 7, 8  
**Credit:** .50  
**Description:** Maximum class size of 12  
Students learn and employ basic journalistic principles in the production of the 7th & 8th grade newspaper. Students will have specific responsibilities to carry out related staff positions, as well as the general responsibility of working with the rest of the staff to produce high quality publications. The majority of class time is devoted to photographing, writing, editing, and production tasks.
NDJA Electives
Course Title: PLAY PRODUCTION 7
Grade: 7, 8
Credit: .50
Description: Minimum class size of 12.
*Pre-requisite: Exploratory Speech and Drama
Play Production is a continuation of the skills and concepts learned in exploratory speech and drama. The class cumulates with a public performance of a student produced play. Students must be available for an evening performance at the end of the semester.

NDJA P.E.
Course Title: NDJA PHYSICAL EDUCATION 7
Grade: 7, 8
Credit: .25
Description: This course must be taken in either 7th or 8th grade. It is designed to be an introduction to a wide variety of activities such as Basketball, Dance, Fitness Activities, Gymnastics, Lacrosse, Soccer, Softball, Tennis, Track and Volleyball.

*Please Note: Some courses have minimum enrollment requirements in order to run.

**************************************************
Course offerings: Grade 8

7th & 8th graders are encouraged to meet with their Counselor if they have questions about their course selections. Many Junior Academy students take advanced course work and opt to start fulfilling high school graduation requirements early by enrolling in higher level Math, Foreign Language, high school Physical Education and Technology offerings while in their 8th grade year.

Language Arts

Course Title: ENGLISH 8
Grade Level: 8
Credit: 1.0
Description: English 8 aims to develop students' writing, reading, and speaking skills. Communication skills are improved through the writing process, and the continued study of grammar and oral expression. The course also includes an independent and a thematic study of literature.

Mathematics

Course Title: MATH FUNDAMENTALS 8
Grade Level: 7, 8
Credit: 1.0
Description: This course will prepare students for mastery in the study of Algebra and future success in the study of Geometry. Math Fundamentals introduces and enhances student’s operative knowledge of Integers, Decimals, Fractions and Percentages. Special emphasis is placed on evaluating Numerical and Algebraic Expressions, and writing and solving Inequalities and Equations. Two and three dimensional Geometry and basic Data Analysis (including graphical representation) are also studied at depth.

Course Title: MATH FOUNDATIONS 8
Grade Level: 7, 8
Credit: 1.0
Description: *Admission to this course requires department approval or passing a Math Entrance Exam. Math Foundations builds and enhances Algebra and Geometry skills necessary for success in the subsequent Math 1 course. Along with deepening prior knowledge, special emphasis is placed upon the study of Real Numbers, Equations, Percent applications, basic Linear Functions, Geometric Measures, Statistics and Data Analysis, and Probability. Students are expected to have a solid understanding of operations with Decimals, Fractions and Integers.

Course Title: MATH I (COLLEGE PREP)
Grade Level: 8, 9
Credit: 1.0
Description: This course is for students who have average ability in the basic fundamentals of mathematics. It incorporates study of Number Sense, Algebra, Geometry, and Probability/Statistics. Emphasis will be placed on discovery, communication, problem solving, and connections among math topics.
Mathematics
Course Title: MATH I (HONORS)
Grade Level: 8, 9
Credit: 1.0
Description: *Admission to this course requires department approval.* This course is designed for students who are proficient in the fundamentals of Mathematics. It incorporates study of Number Sense, Algebra, Geometry, and Probability/Statistics. Those entering this class intend to continue in honors math courses.

Theology
Course Title: THEOLOGY 8
Grade Level: 8
Credit: 1.0
Description: The students will follow the 8th grade course of study required by the Roman Catholic Diocese of Toledo. Throughout this year the students will learn about the very nature of the Church’s mission as they deepen their understanding and appreciation for the four Marks of the Catholic Church. The students will be able to identify key people and events in the Church history. They will know that service and action on behalf of justice is the responsibility of each member of the Church. In addition, we will supplement our curriculum with Saint John Paul II’s catechesis, Theology of the Body for Middle School, in which the students are presented with the Christian view of the “one flesh union” of man and woman in the context of true love, marriage and family life.

Science
Course Title: SCIENCE 8
Grade Level: 8
Credit: 1.0
Description: In this course, students will study processes and events that are the unseen foundations of the world around us. Topics include the composition and properties of the layers of the earth, plate tectonics, geologic forces and change over time, genetics and species diversity, and forces. Experiential activities, both in the classroom and outdoors, are included in all topic areas. Related work in the high school lab emphasizes safety, scientific inquiry, and fundamental techniques.

Social Studies
Course Title: UNITED STATES (U.S.) HISTORY 8
Grade: 8
Credit: 1.0
Description: Students will explore and experience U.S. History from the age of exploration in the 1492 to Reconstruction in 1877. This will include colonization of the new world, the American Revolution, establishment of a national government, expansion west, the Civil War, and Reconstruction. For each area of study, the students will examine the cause and effect of human actions on historical events as well as analyze different viewpoints.
**Fine / Performing Arts**

**Course Title:** JA CHOIR  8  
**Grade:** 7, 8  
**Credit:** .50  
**Description:** Students will learn and perform a variety of vocal literature from Broadway and A Cappella to Classical in this semester class. Students will learn the basics of harmony and music reading add have the opportunity to participate community and school performances and competitions. No experience necessary. This class is repeatable for credit.

**Fine / Performing Arts**

**Course Title:** BEGINNING STRINGS  8  
**Grade:** 7, 8  
**Credit:** .50  
**Description:** Students will learn how to play a string instrument in a group setting during this semester class. As an ensemble, students will learn how to read music and explore string techniques on violin, viola, cello, or bass. Music appreciation, practice skills, and basic musicianship will be discussed. Students will perform in a concert at the end of the semester. No music experience necessary. Instruments may be the student's own, rented, or provided by the school. Can be repeated for credit.

**Fine / Performing Arts**

**Course Title:** JA ORCHESTRA  8  
**Grade:** 7  
**Credit:** .50  
**Description:** Pre-Requisite: previous music experience or two semesters of Beginning Strings.  
This class is for students who already know how to play a musical instrument, have an interest in ensemble playing, and want to strengthen their musical skills. Students will work on basic musicianship skills to become more confident on their instrument. Practice technique, scales, and tuning will also be taught. The ensemble will perform in a short concert at the end of the semester. All instruments are welcome! Instruments may be the student's own, rented, or provided by the school.

**Fine / Performing Arts**

**Course Title:** EXPLORATORY SPEECH & DRAMA  8  
**Grade:** 7, 8  
**Credit:** .50  
**Description:** In this semester class, students will learn the basics of movement and speech through a variety of in class performances.

**Fine / Performing Arts**

**Course Title:** INTRO TO VISUAL ARTS  8  
**Grade:** 7, 8  
**Credit:** .50  
**Description:** Maximum class size of 12  
Students will discover a variety of 2-D and 3-D projects that express their personal interests and experiences. Fundamental elements and principles are introduced. Graphite, color pencil, ink, acrylic
paint, water color paint, clay, and sculpture are some of the media explored. Visual journals are utilized daily to explore new materials, techniques and themes.

**Fine / Performing Arts**  
**Course Title:** ADVANCED INTRO TO VISUAL ARTS  8  
**Fine/ Performing Arts 8**  
**Grade:** 8  
**Credit:** .50  
**Description:** Expand exploration in 2-D 3-D and mixed media art. Elements and Principles of Art, Art History and Art Criticism are reviewed and expanded upon. This course focuses on increasing technical skills and craftsmanship allowing for more accurate personal expression, meaning, and effects in personal artwork. Visual Journals are utilized daily to explore new materials, techniques and themes.

**NDJA Electives**  
**Course Title:** EXPLORATORY JOURNALISM  8  
**Grade:** 7, 8  
**Credit:** .50  
**Description:** Maximum class size of 12.
Students learn and employ basic journalistic principles in the production of the 7th & 8th grade newspaper. Students will have specific responsibilities to carry out related staff positions, as well as the general responsibility of working with the rest of the staff to produce high quality publications. The majority of class time is devoted to photographing, writing, editing, and production tasks.

**NDJA Electives (Fine / Performing Arts)**  
**Course Title:** EXPLORATORY MUSICAL DANCE  8  
**Grade:** 8  
**Credit:** .50  
**Description:** This semester course dance class is for both inexperienced and experienced dancers. Students will learn dance with a concentration on styles found in musical theatre.

**NDJA Electives**  
**Course Title:** PLAY PRODUCTION  8  
**Grade:** 7, 8  
**Credit:** .50  
**Description:** Minimum class size of 12.  
*Pre-requisite: Exploratory Speech and Drama*
Play Production is a continuation of the skills and concepts learned in exploratory speech and drama. The class cumulates with a public performance of a student produced play. Students must be available for an evening performance at the end of the semester.

**Physical Education**  
**NDJA P.E.**  
**Course Title:** NDJA PHYSICAL EDUCATION  8
Description: This course must be taken in either 7th or 8th grade. It is designed to be an introduction to a wide variety of activities such as Basketball, Dance, Fitness Activities, Gymnastics, Lacrosse, Soccer, Softball, Tennis, Track and Volleyball.

NDJA Early High School Options
Course Title: COMPUTER APPS
Grade: 8-12
Credit: .50
Description: This introductory course is designed to give the student a comprehensive knowledge of MS Office. Students will learn document formatting for various business documents. Word and Excel are explored thoroughly. Publisher and PowerPoint are also covered. Internet safety and current technological advancements are discussed and researched.

NDJA Early High School Options
Course Title: WEB DESIGN & CODING
Grade: 8-12
Credit: .50
Description: This course is an entry level programming course designed to teach students basic programming code and theories with an emphasis on developing logical thinking and problem solving skills. The focus will be on web related languages, but principles can be applied toward any coding language. Relevant languages covered are HTML, CSS, and Javascript. The course will also explore the basics of web design thinking and application.

NDJA Early High School Options
Course Title: CHINESE I (COLLEGE PREP)
Grade: 8-12
Credit: 1.0
Description: Students will learn Chinese Phonetics System (Pinyin) and the structure of the Chinese characters, as well as focus on listening, speaking and communications in Chinese. The students are expected to be able to write 50 Chinese characters, read 200 new words, as well as 100 basic sentences patterns to communicate at the end of the year. Chinese cultural knowledge will be addressed by means of activities in the class.

NDJA Early High School Options
Course Title: CHINESE I (HONORS)
Grade: 8-12
Credit: 1.0
Description: In addition to the Chinese I standard class requirements, the honors class will be taught to write an additional 20 Chinese characters and be able to read an additional 40 new words. The situational dialogue practice will be discussed in the class.

NDJA Early High School Options
Course Title: FRENCH I (COLLEGE PREP)
Grade: 8-12
Credit: 1.0
Description: This is a beginning course in French during which the student is introduced to many aspects of French teenagers’ lives. As the student becomes acquainted with a new culture, she gradually learns to use the most important part of that culture -- its language. There is a careful, progressive development of all the communication skills: listening and reading, comprehension, speaking fluency and writing accuracy.

NDJA Early High School Options
Course Title: FRENCH I (HONORS)
Grade: 8-12
Credit: 1.0
Description: This is a beginning course in French designed for students who have had previous exposure to French or who have scored high on English language sections of the High School Placement Test. All of the concepts from French I will be covered with additional enrichment in conversation skills, reading, and composition.

NDJA Early High School Options
Course Title: LATIN I (COLLEGE PREP)
Grade: 8-12
Credit: 1.0
Description: This course provides a thorough study of fundamental Latin grammar and vocabulary. An important goal is the ability to write a coherent translation from Latin into English. Classical mythology and the study of aspects of Roman life such as the Roman family, schools, religion, and entertainment acquaint the student with the civilization that formed the basis for our own.

NDJA Early High School Options
Course Title: LATIN I (HONORS)
Grade: 8-12
Credit: 1.0
Description: This course presents the same grammatical, historical and cultural material as Latin I, but students will be required to demonstrate a deeper understanding of underlying concepts, primarily through the completion of additional assignments. Admission to the course requires the teacher’s approval.

NDJA Early High School Options
Course Title: SPANISH I (COLLEGE PREP)
Grade: 8-12
Credit: 1.0
Description: This is a beginning course in Spanish in which students are introduced to Spanish life as it is lived by millions of teenagers in both hemispheres. As the student progresses through the year, she learns to use the language through the progressive development of the four basic language skills: listening, reading, speaking and writing. There is some stress on integrating an understanding of the Hispanic culture with the study of the language.

NDJA Early High School Options
Course Title: SPANISH I (HONORS)
Grade: 8-12
Credit: 1.0
Description: This course is the same as Spanish I but on an accelerated scale designed for students who have either had significant previous exposure to Spanish or have scored high on the Math and English language sections of the High School Placement Test. There will be additional emphasis on conversation, reading, and composition skills.

NDJA Early High School Options
Course Title: 3-D Art  
Grade: 8-12  
Credit: .50  

Description:  *Pre-requisite: Introduction to Visual Arts*  
This is a hands-on class where students will learn the basic principles of making sculpture and ceramics. This course may be combined with another fine/performing arts semester to fulfill the fine/performing arts credit.

NDJA Early High School Options (Physical Education)  
Course Title: TEAM ACTIVITIES  
Grade: 9-12  
Credit: .25  

Description: This course, recommended for grade 9, is designed to give the students the opportunity to learn individual skills, sport-specific fitness, and team strategy while participating in aerobics, volleyball, basketball, soccer, softball, field hockey and gymnastics  
*Please Note: Some courses have minimum enrollment requirements in order to run.*

******************************************************************
NDJA Early High School Options

Early High School Options are available for 7th & 8th grade Junior Academy students who demonstrate academic prowess and are in search of opportunities to take advanced course work. Students are eligible to complete a variety of high school graduation requirements while in 8th grade clearing their schedule for the later possibilities of completing the International Baccalaureate (IB) Diploma Program or completing other college credit bearing courses such as Advanced Placement (AP) or College Credit Plus (CCP) offerings.

Many Junior Academy students take advanced course work and opt to start fulfilling high school graduation requirements early by enrolling in higher level Math, Foreign Language, high school Physical Education, Art and Technology offerings while in their 8th grade year.

NDA offers the following Early High School Options courses:

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<td>Math II Honors</td>
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<td>Spanish I Honors</td>
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**Course Offerings: Grade 9**

**Language Arts**

**Course Title:** INTEGRATED ENGLISH I  
**Grade Level:** 9  
**Credit:** 1.0  
**Description:** This course is designed to strengthen the student’s basic reading, writing, and speaking skills. A variety of materials and techniques is used to develop a competence in both oral and written communication. The stress in writing is upon clear expression of a single thought in a well-organized paragraph. Admission into this course is by invitation only.

**Language Arts**

**Course Title:** ENGLISH I (COLLEGE PREP)  
**Grade Level:** 9  
**Credit:** 1.0  
**Description:** English I aims to develop communication skills through the writing process, and the continued study of grammar and oral expression. The course also includes a thematic study of literature.

**Language Arts**

**Course Title:** ENGLISH I (HONORS)  
**Grade Level:** 9  
**Credit:** 1.0  
**Description:** This is an advanced course of English I. There is emphasis on further development of writing skills, research, and group discussion. The following criteria are the basis for admission to Honors:  
1. A 4/5 on writing sample from placement test  
2. Scores on HSPT test  
3. Recommendation of eighth grade teacher

**Mathematics**

**Course Title:** MATH FOUNDATIONS  
**Grade Level:** 7, 8, 9  
**Credit:** 1.0  
**Description:** Admission to this course requires department approval or passing a Math Entrance Exam. Math Foundations builds and enhances Algebra and Geometry skills necessary for success in the subsequent Math I course. Along with deepening prior knowledge, special emphasis is placed upon the study of Real Numbers, Equations, Percent applications, basic Linear Functions, Geometric Measures, Statistics and Data Analysis, and Probability. Students are expected to have a solid understanding of operations with Decimals, Fractions and Integers.

**Mathematics**

**Course Title:** MATH I (COLLEGE PREP)  
**Grade Level:** 9  
**Credit:** 1.0

*Mathematics I, II, and III courses are integrated in their approach to Algebra, Geometry, Number Sense, and Probability & Statistics.  
*If it is the intention of a student to take AP Calculus at NDA, that student must meet the requirements to take Honors Math II her freshman year and continue on this track.  
*Admission into Honors or an above grade level Math class is based upon Math Placement Test results.  
*The TI-84 Plus family of graphing calculator is the required calculator for all NDA Math students. This calculator may also be used in Science courses.*
**Description:** This course is for students who have average ability in the basic fundamentals of Mathematics. It incorporates study of Number Sense, Algebra, Geometry, and Probability/Statistics. Emphasis will be placed on discovery, communication, problem solving, and connections among math topics.

**Mathematics**

**Course Title:** MATH I (HONORS)

**Grade Level:** 9

**Credit:** 1.0

**Description:** Admission to this course requires department approval.

This course is designed for students who are proficient in the fundamentals of mathematics. It incorporates study of Number Sense, Algebra, Geometry, and Probability/Statistics. Those entering this class intend to continue in honors math courses.

**Mathematics**

**Course Title:** MATH II (COLLEGE PREP)

**Grade Level:** 9, 10

**Credit:** 1.0

**Description:** Admission to this course requires department approval.

This course includes study of Number Sense, Algebra, Geometry, Trigonometry, Probability/Statistics. This course is also open to incoming Freshmen who have studied algebra for much of their eighth grade year and scored high on the HSPT and an additional Math Placement Test.

**Mathematics**

**Course Title:** MATH II (HONORS)

**Grade Level:** 9, 10

**Credit:** 1.0

**Description:** Admission to this course requires department approval.

This course includes study of Number Sense, Algebra, Geometry, Trigonometry, Probability/Statistics. This course is also open to incoming Freshmen who have mastered Algebra for much of their eighth grade year and scored high on the HSPT and an additional Math Placement Test.

**Theology**

**Course Title:** FAITH BASICS

**Grade Level:** 9

**Credit:** 1.0

**Description:** Faith Basics – two semesters

This course is designed for students who have had little or no exposure to Catholicism. The content of the course is the same as God’s Revelation/Mission and Ministry, while the pace and depth will permit students to achieve a level of competence necessary to be successful in subsequent Theology courses.

**Theology**

**Course Title:** THEOLOGY I (COLLEGE PREP)

**Grade Level:** 9

**Credit:** 1.0

**Description:** Jesus Christ: God’s Revelation – one semester

This course gives students a general knowledge and appreciation of the Sacred Scriptures while encountering Jesus Christ. Centering on our natural instinct to seek God, students will explore the wonderful work of Our Lord in forming a people, giving the Law, and preparing for the Messiah. An
overview of Salvation History, its doctrine, people, and events will provide a foundation for future Theology courses.

**Jesus Christ: Mission and Ministry** – one semester
While continuing the survey of Salvation History, this course focuses on the ministry and mission of Jesus Christ while presenting the Church’s teachings about God the Father, the Trinity, Mary and the Holy Spirit. Students will understand the call of discipleship and that it involves a life of grace and holiness with a share of God’s everlasting Kingdom.

**Science**

**SCIENCES**

**Course Title: BIOLOGY I (COLLEGE PREP)**
**Grade Level:** 9
**Credit:** 1.0
**Description:** This lab course explores the structural and chemical basis of life, the uniformity and diversity of life in topics such as cell structure and function, genetics, evolution, and classification. Organisms of the six kingdoms are studied in order of increasing complexity as well as the role each plays in its environment and in relationship to humanity.

**SCIENCES**

**Course Title: BIOLOGY I (HONORS)**
**Grade Level:** 9
**Credit:** 1.0
**Description:** *Prerequisites: High score on HSPT and/or recommendation of Counselor or Department Chair*
This lab course provides a more in-depth study of the same concepts of Biology I with an additional emphasis on biochemistry and molecular genetics. More emphasis will be placed on laboratory exercises and independent and/or group work. The pace of this course demands highly self-motivated students willing to spend extra time preparing for daily lessons.

**Social Studies**

**SOCIAL STUDIES**

**Course Title: WORLD HISTORY (COLLEGE PREP)**
**Grade Level:** 9
**Credit:** 1.0
**Description:** This survey course focuses on the major periods of World History from the Enlightenment to the present. The events of history are presented through the lens of human values, attitudes, customs, religion, government, and culture, while developing skills to examine and think critically about the world.

**SOCIAL STUDIES**

**Course Title: WORLD HISTORY (HONORS)**
**Grade Level:** 9
**Credit:** 1.0
**Description:** *Prerequisite: 90% or above on HSPT will be recommended for admission in this course.*
This survey course focuses on the major periods of World history from the Enlightenment to the present. The events of history are presented through the lens of human values, attitudes, customs, religion, government, and culture, while developing skills to examine and think critically about the world. Students will move at a faster pace, study concepts on a deeper level, spend little time on review, may have more homework, and different assessments in honors World History. 90% or above on HSPT will be recommended for admission in this course.

**Performing Arts**

**Fine / Performing Arts**  
**Course Title:** CHORUS I, II, III, IV  
**Grade:** 9-12  
**Credit:** .50  
**Description:** Chorus is a great course to learn how to sing, read music, and polish your performance skills. Students will participate in four school concerts in addition to contests, workshops, and assemblies. More advanced students will be given special performance opportunities in small ensembles. Solo and group coaching is available to all choral students. Literature includes sacred and secular choral classics, world music, vocal jazz, barbershop, standards and musical theatre.

**Fine / Performing Arts**  
**Course Title:** VOICE CLASS  
**Grade:** 9-12  
**Credit:** .50  
**Description:** Develop your singing voice in a low pressure environment. Students enrolled in voice class will learn vocal technique through the performance and study of classical literature, jazz, and musical theatre. Music history, performance practice and stage techniques will be incorporated into the curriculum. Students will participate in a recital and stage scenes from musical theatre productions as well as learn to identify common vocal problems. Outside performances are available, but optional. No experience necessary.

**Fine / Performing Arts**  
**Course Title:** ADVANCED VOICE CLASS  
**Grade:** 9-12  
**Credit:** .50  
**Description:** *Prerequisite: Voice Class or Instructor Permission*  
Advanced Voice is a continuation of the material learned in the beginning voice class. Special emphasis will be given to performing and audition techniques. Singers will be expected to give additional performances in this class. Outside performances are available, but optional.

**Fine / Performing Arts**  
**Course Title:** ORCHESTRA I, II, III, IV  
**Grade:** 9-12  
**Credit:** .50  
**Description:** Orchestra provides students with previous musical training an opportunity to grow in their musicianship and performance skills. Students will perform in at least two school concerts, as well as optional outside competitions and ensembles. Classes will focus on improvement of basic musical skills and technique in a group setting. Students will also learn the basics of independent practice. All instruments are welcome! This group will explore a wide range of musical styles from Baroque to Contemporary. Each student is required to either own her instrument or rent an instrument.
**Fine / Performing Arts**

**Course Title: ORCHESTRA (HONORS)**

**Grade: 9-12**

**Credit: .50**

**Description:** This ensemble is for students who are confident in their playing abilities and are able to perform at a higher musical level. Class will focus on ensemble playing and improvement of basic musical technique and skills in a group setting. Students will continue to develop independent practice skills. The repertoire will explore a wide range of musical styles from Baroque to Contemporary. Performance opportunities include at least two school concerts, chamber groups, musical pit, and outside competitions. All instruments are welcome! Students are required to own or rent their instrument. Faculty signature and/or audition required.

**Fine / Performing Arts**

**Course Title: PIANO & GUITAR CLASS**

**Grade: 9-12**

**Credit: .50**

**Description:** Maximum class size of 15.
Students will choose to learn either piano or guitar in a group setting. The class will use group instruction and individual practice time. Piano will focus mostly on simple melodies and easy two-hand songs, while guitar will focus mostly on chords and strumming patterns. Students are welcome to bring their own acoustic guitars. No prior music experience is required.

**Fine / Performing Arts**

**Course Title: MUSIC COMPOSITION I**

**Grade: 9-12**

**Credit: .50**

**Description:** This course is designed for students with little or no previous musical training. The class begins with the basics of notation, note and rhythm reading, and key relationships. Throughout the semester, the class will work on a variety of projects including how to write melodies, harmonization exercises, and creating different musical textures. Students will also listen to music from different styles and time periods.

**Fine / Performing Arts**

**Course Title: MUSIC COMPOSITION II**

**Grade: 9-12**

**Credit: .50**

**Description:** *Prerequisite: Music Composition I* This course is a continuation of Music Composition I. Students will compose more advanced compositions and hone their notation skills. Basic skills will be reviewed, while more advanced projects will be given (such as string quartet, art songs, unaccompanied solos, and arranging projects). Students will also build on the listening skills they previously learned.

**Fine / Performing Arts**

**Course Title: HISTORY OF POPULAR MUSIC**

**Grade: 9-12**

**Credit: .50**

**Description:** This semester-long course will provide an overview of the development of popular music in America, and the impact these musical styles have had on Western society. Students will learn about a variety of musical styles such as rock and roll, rhythm and blues, country, and modern rock. Current music and current music events will also be incorporated into daily discussions. This course uses a variety of assessments including creative projects, written tests, listening journals, and class discussions. No prior musical knowledge is required for this class.
**Fine / Performing Arts**

**Course Title: MUSIC TECHNOLOGY I**

**Grade: 9-12**

**Credit: .50**

**Description:** Learn to create your own mixes, mash-ups, music videos, film scores and original compositions even if you have never had any musical experience. Students will learn notation, sequencing, editing and basic keyboard skills using computers, digital recorders and electronic instruments. Class projects include a class album and a podcast. Students receive .50 credit in fine arts OR technology.

**Fine / Performing Arts**

**Course Title: MUSIC TECHNOLOGY II**

**Grade: 9-12**

**Credit: .50**

**Description:** *Prerequisite: Music Technology I*

Music Tech II is a continuation of Music Tech with an emphasis on recording and mixing. Students will use various platforms to create, edit, and mix original music. Time outside of class will be required to record student groups. Projects include using ProTools Software to record, mix, and edit, live performances, advanced electronic mixes, and creating original electronic music.

**Fine / Performing Arts**

**Course Title: SPEECH & DRAMA S1**

**Grade: 9-12**

**Credit: .50**

**Description:** This one semester class will give students techniques to deal with stage fright and public speaking and acting fundamentals. Students will write and deliver a variety of speeches. They will study theater history and poems, monologues and scenes from plays for oral interpretation and acting. The class will be structured so that students will be given ample and varied experiences in speaking and acting in a non-threatening atmosphere.

**Fine / Performing Arts**

**Course Title: SPEECH & DRAMA S2**

**Grade: 9-12**

**Credit: .50**

**Description:** *Prerequisite: Speech/Drama I (S1)*

This class will offer course work in speaking, acting, theatre history, media analysis, and use of technology for speeches. It will continue the course work offered in Speech & Drama Semester 1. Students who complete both semesters of Speech & Drama I will be able to go into Advanced Drama or IB Theatre (with teacher signature).

**Fine / Performing Arts**

**Course Title: SPEECH & DRAMA I**

**Grade: 9-12**

**Credit: 1.0**

**Description:** This course is designed to give students a broad base in communication skills and theater arts. Course work includes communication theory, public speaking, media analysis, choral reading, oral interpretation, story-telling, improvisational and prepared acting experiences, and theatre history. Students will get maximum possible experience in both extemporaneous and prepared speaking and acting situations in a non-threatening atmosphere.
**Fine / Performing Arts**

**Course Title: MUSICAL THEATRE DANCE**  
Grade: 9-12  
Credit: .50  
**Description:** This semester course dance class is for both inexperienced and experienced dancers. Student will learn dance with a concentration on styles found in musical theatre.

**Course Title: ART I**  
Grade: 9-12  
Credit: .50  
**Description:** This course is an introduction to the principles, elements and history of art. The fundamentals of drawing, painting, printmaking and ceramics are explored.

**Course Title: 3-D ART**  
Grade: 9-12  
Credit: .50  
**Description:** This is a hands-on class where students will learn the basic principles of making sculpture and ceramics. All grade levels are invited and there is no prerequisite. This course may be combined with another fine/performing arts semester to fulfill the fine/performing arts credit.

**Physical Education & Health**

**Physical Education**

**Course Title: TEAM ACTIVITIES**  
Grade: 9-12  
Credit: .25  
**Description:** This course, recommended for grade 9, is designed to give the students the opportunity to learn individual skills, sport-specific fitness, and team strategy while participating in aerobics, volleyball, basketball, soccer, softball, field hockey and gymnastics.

**Course Title: INDIVIDUAL ACTIVITIES**  
Grade: 9-12  
Credit: .25  
**Description:** This is a grade 10 recommended course. It is designed to teach basic techniques and fitness in a variety of individual activities including tennis, golf, archery, fencing, and gymnastics.

**Course Title: HEALTH**  
Grade: 9-12  
Credit: .50
Description: This course is designed as an overview of basic health related topics with emphasis on how these relate to women. Topics include: stress, nutrition, substance abuse, systems of the body, mental health, behavior and emotions, physical fitness, infections and diseases.

Technology

Course Title: COMPUTER APPS I
Grade: 9-12
Credit: .50
Description: This introductory course is designed to give the student a comprehensive knowledge of MS Office. Students will learn document formatting for various business documents. Word and Excel are explored thoroughly. Publisher and PowerPoint are also covered. Internet safety and current technological advancements are discussed and researched.

Course Title: MUSIC TECHNOLOGY I
Grade: 9-12
Credit: .50
Description: Learn to create your own mixes, mash-ups, music videos, film scores and original compositions even if you have never had any musical experience. Students will learn notation, sequencing, editing and basic keyboard skills using computers, digital recorders and electronic instruments. Class projects include a class album and a podcast. Students receive .50 credit in fine arts OR technology.

Course Title: MUSIC TECHNOLOGY II
Grade: 9-12
Credit: .50
Description: *Prerequisite: Music Technology I
Music Tech II is a continuation of Music Tech with an emphasis on recording and mixing. Students will use various platforms to create, edit, and mix original music. Time outside of class will be required to record student groups. Projects include using ProTools Software to record, mix, and edit, live performances, advanced electronic mixes, and creating original electronic music.

Course Title: WEB DESIGN & CODING
Grade: 8-12
Credit: .50
Description: This course is an entry level programming course designed to teach students basic programming code and theories with an emphasis on developing logical thinking and problem solving skills. The focus will be on web related languages, but principles can be applied toward any coding language. Relevant languages covered are HTML, CSS, and Javascript. The course will also explore the basics of web design thinking and application.

Business & Finance
Financial Literacy:
Course Title: FINANCIAL LITERACY
Grade: 9-12
Credit: .25
Description: This 30-hour online course about financial responsibility and money management will be completed independently by students. Material covered will include: employment decisions, understanding earning statements and employment documents, banking decisions (e.g. savings, checking, debit accounts and loans), investment options and the cost and benefits of these options, and risk management (strategies to protect your personal assets). This is a Pass/Fail course.

Modern & Classical Languages

Modern & Classical Languages
Course Title: CHINESE I (COLLEGE PREP)
Grade: 9-12
Credit: 1.0
Description: Students will learn Chinese Phonetics System (Pinyin) and the structure of the Chinese characters, as well as focus on listening, speaking and communications in Chinese. The students are expected to be able to write 50 Chinese characters, read 200 new words, as well as 100 basic sentences patterns to communicate at the end of the year. Chinese cultural knowledge will be addressed by means of activities in the class.

Modern & Classical Languages
Course Title: CHINESE I (HONORS)
Grade: 9-12
Credit: 1.0
Description: In addition to the Chinese I standard class requirements, the honors class will be taught to write an additional 20 Chinese characters and be able to read an additional 40 new words. The situational dialogue practice will be discussed in the class.

Modern & Classical Languages
Course Title: CHINESE II (COLLEGE PREP)
Grade: 9-12
Credit: 1.0
Description: Students will work on the accuracy of Pinyin and tones, and continue with the structures of the Chinese characters; the focus will be on listening, speaking, writing and communications in Chinese. The students are expected to be able to write 100 new Chinese characters, be able to read 230 new words with slight helps of Pinyin and be able to use 140 sentence patterns to be communicated at the end of the year. The students will develop intercultural understanding in the class.

Modern & Classical Languages
Course Title: CHINESE II (HONORS)
Grade: 9-12
Credit: 1.0
Description: *Prerequisite: B+ average in Honors Chinese I or a high A average in Chinese I.
In addition to the Chinese II standard class requirements, the Honors class will be taught to write an additional 20 Chinese characters and be able to read an additional 50 new words without Pinyin. The students will be expected to make sentences and conduct situational dialogues.

Modern & Classical Languages
**Course Title:** FRENCH I (COLLEGE PREP)  
**Grade:** 9-12  
**Credit:** 1.0  
**Description:** This is a beginning course in French during which the student is introduced to many aspects of French teenagers’ lives. As the student becomes acquainted with a new culture, she gradually learns to use the most important part of that culture — its language. There is a careful, progressive development of all the communication skills: listening and reading, comprehension, speaking fluency and writing accuracy.

**Modern & Classical Languages**  
**Course Title:** FRENCH II (COLLEGE PREP)  
**Grade:** 9-12  
**Credit:** 1.0  
**Description:** This second course in French offers the opportunity to further develop the communication skills begun in French I. The purpose of this course is to complete the study of the main grammatical concepts of the French language in the context of understanding the French people and their daily lives and interests.

**Modern & Classical Languages**  
**Course Title:** FRENCH II (HONORS)  
**Grade:** 9-12  
**Credit:** 1.0  
**Description:** *Prerequisite: B+ average in Honors French I or a high A average in French I.*  
This course is the same as French II but on an accelerated scale. Less time is spent on the drilling of the grammatical aspects and more time on speaking the language. The class is conducted mainly in French. Admission to this course requires the teacher’s approval.

**Modern & Classical Languages**  
**Course Title:** LATIN I (COLLEGE PREP)  
**Grade:** 9-12  
**Credit:** 1.0  
**Description:** This course provides a thorough study of fundamental Latin grammar and vocabulary. An important goal is the ability to write a coherent translation from Latin into English. Classical mythology and the study of aspects of Roman life such as the Roman family, schools, religion, and entertainment acquaint the student with the civilization that formed the basis for our own.

**Modern & Classical Languages**  
**Course Title:** LATIN I (HONORS)  
**Grade:** 9-12  
**Credit:** 1.0  
**Description:** This course presents the same grammatical, historical and cultural material as Latin I, but students will be required to demonstrate a deeper understanding of underlying concepts, primarily
through the completion of additional assignments. Admission to the course requires the teacher’s approval.

**Modern & Classical Languages**

**Course Title: LATIN II (COLLEGE PREP)**

**Grade:** 9-12  
**Credit:** 1.0  
**Description:** Latin II continues and extends the study of the Latin language begun in Latin I. Emphasis is placed on acquiring vocabulary and developing translation skills. Roman history and geography are presented along with continuing study of Greek and Roman myths.

**Modern & Classical Languages**

**Course Title: LATIN II (HONORS)**

**Grade:** 9-12  
**Credit:** 1.0  
**Description:** Prerequisite: B+ average in Honors Latin I or a high A average in Latin I. This course presents the same grammatical, historical and cultural material as Latin II, but students will be required to demonstrate a deeper understanding of underlying concepts, primarily through the completion of additional assignments. Admission to this course requires the teacher’s approval.

**Modern & Classical Languages**

**Course Title: SPANISH I (COLLEGE PREP)**

**Grade:** 9-12  
**Credit:** 1.0  
**Description:** This is a beginning course in Spanish in which students are introduced to Spanish life as it is lived by millions of teenagers in both hemispheres. As the student progresses through the year, she learns to use the language through the progressive development of the four basic language skills: listening, reading, speaking and writing. There is some stress on integrating an understanding of the Hispanic culture with the study of the language.

**Modern & Classical Languages**

**Course Title: SPANISH I (HONORS)**

**Grade:** 9-12  
**Credit:** 1.0  
**Description:** This course is the same as Spanish I but on an accelerated scale designed for students who have either had significant previous exposure to Spanish or have scored high on the Math and English language sections of the High School Placement Test. There will be additional emphasis on conversation, reading, and composition skills.

**Modern & Classical Languages**

**Course Title: SPANISH II (COLLEGE PREP)**

**Grade:** 9-12  
**Credit:** 1.0  
**Description:** This second course in Spanish is a continuation of Spanish I and its goals, with additional emphasis on the use of the oral language and continued learning of verb forms, grammar points, vocabulary, and the history and culture of the Spanish-speaking countries.

**Modern & Classical Languages**

**Course Title: SPANISH II (HONORS)**

**Grade:** 9-12  
**Credit:** 1.0
**DESCRIPTION:** *Prerequisite: B+ average in Honors Spanish I or a high A average in Spanish I*

This course is the same as Spanish II but on an accelerated scale. Less time is spent on the drilling of the grammatical aspects and more time on speaking and writing the language. The class is conducted in Spanish. Admission to this course requires the approval of the teacher.

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**College Credit Plus**

**College Credit Plus (CCP)**

**Course Title:** MEDICAL TERMINOLOGY  
**Grade:** 7-12  
**Credit:** 3 College Credits/1 Carnegie Unit  
**Description:** Minimum class size 20. Students who participate in CCP on-NDA campus Early College Options, must attend a Mandatory Student and Parent Meeting in March and complete the Intent to Participate form before April 1st. Students must also attend all application and registration sessions. Students must also be approved by ODE in order to take this course free of charge. This course delves into critical vocabulary used widely in the medical field. Students working or volunteering in medical settings and students who plan to have a career in the medical field are encouraged to take this course. This course is may be taught as a partial hybrid blended class by an Owens Community College Professor. Students who are enrolled in this class must reserve Blocks 1 & 5 in their schedule.

**College Credit Plus (CCP)**

**Course Title:** 21ST CENTURY STEM CAREERS  
**Grade:** 7-12  
**Credit:** 3 College Credits/1 Carnegie Unit  
**Description:** Minimum class size 20. Students who participate in CCP on-NDA campus early college options, must attend a Mandatory Student and Parent Meeting and complete the Intent to Participate form before April 1st. Students must also attend all application and registration sessions. This course delves into a variety of careers that fall into the high growth industries of Science, Technology, Engineering and Mathematics. This course may be taught as a partial hybrid blended class by an Owens Community College Professor. Students who are enrolled in this class must reserve Blocks 1 & 5 in their schedule.

Please Note: Some courses have minimum enrollment requirements in order to run.

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**Service Learning Requirement:** 30 Hours  
(at least 5 hours must be completed on the NDA Campus)
COURSE OFFERINGS: GRADE 10

LANGUAGE ARTS

Course Title: ENGLISH II (COLLEGE PREP)
Grade Level: 10
Credit: 1.0
Description: English II will help students work towards mastery of basic reading and writing skills such as reading comprehension, critical thinking, analysis, argumentation, and clear communication. These skills will be studied by reading a variety of texts from short stories, novels, poetry, and drama to "alternative" texts such as film, advertising, and popular music. The year will also focus on helping students become more independent learners so that they are ready for the intensity of reading, writing, and discussion in upper level classes.

Course Title: ENGLISH II (HONORS)
Grade Level: 10
Credit: 1.0
Description: On the groundwork of Honors English I, this course builds competency in literary analysis and formal, analytical writing. The course is designed for the student who desires serious study and who hopes to acquire an appreciation of literary masterpieces and poetry. The major works studied are from canonical British literature. The following criteria are considered for admission to Honors:
1. B average (90%) maintained in Honors English I each semester or a high A (98%) average in English II each semester to move up.
2. Recommendation from English teacher.

MATHEMATICS

Course Title: MATH I (COLLEGE PREP)
Grade Level: 9, 10
Credit: 1.0
Description: This course is for students who have average ability in the basic fundamentals of mathematics. It incorporates study of Number Sense, Algebra, Geometry, and Probability/Statistics. Emphasis will be placed on discovery, communication, problem solving, and connections among math topics.

Course Title: MATH I (HONORS)
Grade Level: 9, 10
Credit: 1.0
Description: *Admission to this course requires department approval.
This course is designed for students who are proficient in the fundamentals of mathematics. It incorporates study of Number Sense, Algebra, Geometry, and Probability/Statistics. Those entering this class intend to continue in honors math courses.

*Mathematics I, II, and III courses are integrated in their approach to Algebra, Geometry, Number Sense, and Probability & Statistics.
*If it is the intention of a student to take AP Calculus at NDA, that student must meet the requirements to take Honors Math II her freshman year and continue on this track.
*Admission into Honors or an above grade level Math class is based upon Math Placement Test results.
*The TI-84 Plus family of graphing calculator is the required calculator for all NDA Math students. This calculator may also be used in Science courses.

*Admission to this course requires department approval.
Mathematics
Course Title: MATH I (COLLEGE PREP)
Grade Level: 9, 10
Credit: 1.0
Description: *Admission to this course requires department approval.
This course includes study of Number Sense, Algebra, Geometry, Trigonometry, Probability/Statistics.
This course is also open to incoming Freshmen who have studied algebra for much of their eighth grade year and scored high on the HSPT and an additional Math Placement Test.

Mathematics
Course Title: MATH I (HONORS)
Grade Level: 9, 10
Credit: 1.0
Description: *Admission to this course requires department approval.
This course includes study of Number Sense, Algebra, Geometry, Trigonometry, Probability/Statistics.
This course is also open to incoming Freshmen who have mastered Algebra for much of their eighth grade year and scored high on the HSPT and an additional Math Placement Test.

Mathematics
Course Title: MATH II (COLLEGE PREP)
Grade Level: 10, 11
Credit: 1.0
Description: *Prerequisite: Math II and department approval.
This course is a rigorous continuation of the Honors Math II course. It includes study of Algebra, Geometry, Trigonometry, and Probability/Statistics.

Theology
Course Title: THEOLOGY I (COLLEGE PREP)
Grade Level: 10
Credit: 1.0
Description: Jesus Christ: Source of Salvation – one semester
The Pascal Mystery of Christ’s Cross and Resurrection stand at the center of the Good News. In this course, students learn in greater depth the saving actions of the Lord. What is the meaning of God’s sacred and mysterious plan from creation, to the consequences of Original Sin, through the culmination of Christ’s Life, Passion, Death and Resurrection?

Jesus Christ: His Church and Sacraments – one semester
This course roots the sacraments as the definitive way Jesus remains present to the Church and the world today. Through an explanation of the seven sacraments through the meaning of memorial, celebration, communion and transformation, students will further their relationships with Christ and His Church.
**Sciences**

**Course Title:** CHEMISTRY (COLLEGE PREP)
**Grade Level:** 10
**Credit:** 1.0

**Description:**
*Prerequisites:* Biology and Math I or II; Co-requisite: Math II or Honors Math II

This lab course studies the molecular structure of matter and its properties. This includes the study of chemical principles such as the modern atomic theory, the periodic table, chemical reactions, phases of matter, acids and bases and quantitative relationships.

**Sciences**

**Course Title:** CHEMISTRY (HONORS)
**Grade Level:** 10
**Credit:** 1.0

**Description:**
*Prerequisites:* A average in both Biology and Math; signatures of Math and Biology Instructors Co-requisite: Math II or Honors Math II or Math III or Honors Math III

This lab course provides a more in-depth study of the same concepts as Chemistry with additional emphasis on reaction rates and equilibrium, electrochemistry, and nuclear chemistry. Increased attention will be given to laboratory experiments and analyses. The pace of this course demands highly self-motivated students willing to spend extra time preparing for coursework.

**Social Studies**

**Course Title:** UNITED STATES (U.S.) HISTORY (COLLEGE PREP)
**Grade Level:** 10
**Credit:** 1.0

**Description:**

This course includes a chronological view of United States History from post-Reconstruction period to contemporary history. Students will be expected to successfully complete simulations, projects, and debates. The content and methods used in this course are designed to encourage historical analysis and to create an awareness of the correlation of the past to the present.

**Social Studies**

**Course Title:** UNITED STATES (U.S.) HISTORY (HONORS)
**Grade Level:** 10
**Credit:** 1.0

**Description:** *Prerequisite: World History*

U.S. History AP is a college-level course which covers the time period from the Age of Exploration in the 15th century to 1980’s conservatism. Students read a college text, investigate primary sources, and write many analytical essays. The pace of this course demands highly self-motivated students willing to spend extra time preparing for coursework. The following criteria are considered for admission to this course:

1. Signature of World History Teacher (A/B Honors or A in World History)
2. A/B in English I Honors or A in English I
**Social Studies**

**Course Title:** ADVANCED PLACEMENT (AP) UNITED STATES (U.S.) HISTORY  
**Grade Level:** 10  
**Credit:** 1.0  
*Prerequisite: World History*

U.S. History AP is a college-level course which covers the time period from the 15th century to 1980’s conservatism. Students read a college text, investigate primary sources, and write many analytical essays. The pace of this course demands highly self-motivated students willing to spend extra time preparing for coursework. The following criteria are considered for admission to this course:

1. Signature of World History Teacher (A/B Honors or A in World History)  
2. A/B in English I Honors or A in English I

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**Performing Arts**

**Fine / Performing Arts**  
**Course Title:** CHORUS I, II, III, IV  
**Grade:** 9-12  
**Credit:** .50  
**Description:** Chorus is a great course to learn how to sing, read music, and polish your performance skills. Students will participate in four school concerts in addition to contests, workshops, and assemblies. More advanced students will be given special performance opportunities in small ensembles. Solo and group coaching is available to all choral students. Literature includes sacred and secular choral classics, world music, vocal jazz, barbershop, standards and musical theatre.

**Fine / Performing Arts**  
**Course Title:** VOICE CLASS  
**Grade:** 9-12  
**Credit:** .50  
**Description:** Develop your singing voice in a low pressure environment. Students enrolled in voice class will learn vocal technique through the performance and study of classical literature, jazz, and musical theatre. Music history, performance practice and stage techniques will be incorporated into the curriculum. Students will participate in a recital and stage scenes from musical theatre productions as well as learn to identify common vocal problems. Outside performances are available, but optional. No experience necessary.

**Fine / Performing Arts**  
**Course Title:** ADVANCED VOICE CLASS  
**Grade:** 9-12  
**Credit:** .50  
**Description:** Prerequisite: Voice Class or Instructor Permission  
Advanced Voice is a continuation of the material learned in the beginning voice class. Special emphasis will be given to performing and audition techniques. Singers will be expected to give additional performances in this class. Outside performances are available, but optional.

**Fine / Performing Arts**  
**Course Title:** ORCHESTRA I, II, III, IV  
**Grade:** 9-12  
**Credit:** .50
**Description:** Orchestra provides students with previous musical training an opportunity to grow in their musicianship and performance skills. Students will perform in at least two school concerts, as well as optional outside competitions and ensembles. Classes will focus on improvement of basic musical skills and technique in a group setting. Students will also learn the basics of independent practice. All instruments are welcome! This group will explore a wide range of musical styles from Baroque to Contemporary. Each student is required to either own her instrument or rent an instrument.

**Fine / Performing Arts**

**Course Title:** ORCHESTRA (HONORS)

**Grade:** 9-12

**Credit:** .50

**Description:** This ensemble is for students who are confident in their playing abilities and are able to perform at a higher musical level. Class will focus on ensemble playing and improvement of basic musical technique and skills in a group setting. Students will continue to develop independent practice skills. The repertoire will explore a wide range of musical styles from Baroque to Contemporary. Performance opportunities include at least two school concerts, chamber groups, musical pit, and outside competitions. All instruments are welcome! Students are required to own or rent their instrument. Faculty signature and/or audition required.

**Fine / Performing Arts**

**Course Title:** PIANO & GUITAR CLASS

**Grade:** 9-12

**Credit:** .50

**Description:** Maximum class size of 15

Students will choose to learn either piano or guitar in a group setting. The class will use group instruction and individual practice time. Piano will focus mostly on simple melodies and easy two-hand songs, while guitar will focus mostly on chords and strumming patterns. Students are welcome to bring their own acoustic guitars. No prior music experience is required.

**Fine / Performing Arts**

**Course Title:** MUSIC COMPOSITION I

**Grade:** 9-12

**Credit:** .50

**Description:** This course is designed for students with little or no previous musical training. The class begins with the basics of notation, note and rhythm reading, and key relationships. Throughout the semester, the class will work on a variety of projects including how to write melodies, harmonization exercises, and creating different musical textures. Students will also listen to music from different styles and time periods.

**Fine / Performing Arts**

**Course Title:** MUSIC COMPOSITION II

**Grade:** 9-12

**Credit:** .50

**Description:** *Prerequisite: Music Composition I* This course is a continuation of Music Composition I. Students will compose more advanced compositions and hone their notation skills. Basic skills will be reviewed, while more advanced projects will be given (such as string quartet, art songs, unaccompanied solos, and arranging projects). Students will also build on the listening skills they previously learned.

**Fine / Performing Arts**

**Course Title:** MUSIC COMPOSITION III

**Grade:** 10-12

**Credit:** .50

**Description:** *Prerequisite: Music Composition I-II*
This course builds on skills learned in Music Composition II. Students will build their composition portfolio with pieces for larger ensembles and more advanced techniques. This course can be repeated for credit.

**Fine / Performing Arts**

**Course Title: History of Popular Music**

**Grade: 9-12**

**Credit: .50**

**Description:** This semester-long course will provide an overview of the development of popular music in America, and the impact these musical styles have had on Western society. Students will learn about a variety of musical styles such as rock and roll, rhythm and blues, country, and modern rock. Current music and current music events will also be incorporated into daily discussions. This course uses a variety of assessments including creative projects, written tests, listening journals, and class discussions. No prior musical knowledge is required for this class.

**Fine / Performing Arts**

**Course Title: Music Technology I**

**Grade: 9-12**

**Credit: .50**

**Description:** Learn to create your own mixes, mash-ups, music videos, film scores and original compositions even if you have never had any musical experience. Students will learn notation, sequencing, editing and basic keyboard skills using computers, digital recorders and electronic instruments. Class projects include a class album and a podcast. Students receive .50 credit in fine arts OR technology.

**Fine / Performing Arts**

**Course Title: Music Technology II**

**Grade: 9-12**

**Credit: .50**

**Description:** *Prerequisite: Music Technology I*

Music Tech II is a continuation of Music Tech with an emphasis on recording and mixing. Students will use various platforms to create, edit, and mix original music. Time outside of class will be required to record student groups. Projects include using ProTools Software to record, mix, and edit, live performances, advanced electronic mixes, and creating original electronic music.

**Fine / Performing Arts**

**Course Title: Speech & Drama S1**

**Grade: 9-12**

**Credit: .50**

**Description:** This one semester class will give students techniques to deal with stage fright and public speaking and acting fundamentals. Students will write and deliver a variety of speeches. They will study theater history and poems, monologues and scenes from plays for oral interpretation and acting. The class will be structured so that students will be given ample and varied experiences in speaking and acting in a non-threatening atmosphere.

**Fine / Performing Arts**

**Course Title: Speech & Drama S2**

**Grade: 9-12**

**Credit: .50**

**Description:** *Prerequisite: Speech/Drama I (S1)*

This class will offer course work in speaking, acting, theatre history, media analysis, and use of technology for speeches. It will continue the course work offered in Speech & Drama Semester 1.
Students who complete both semesters of Speech & Drama I will be able to go into Advanced Drama or IB Theatre (with teacher signature).

**Fine / Performing Arts**
**Course Title:** SPEECH & DRAMA I  
**Grade:** 9-12  
**Credit:** 1.0  
**Description:** This course is designed to give students a broad base in communication skills and theater arts. Course work includes communication theory, public speaking, media analysis, choral reading, oral interpretation, story-telling, improvisational and prepared acting experiences, and theatre history. Students will get maximum possible experience in both extemporaneous and prepared speaking and acting situations in a non-threatening atmosphere.

**Fine / Performing Arts**
**Course Title:** ADVANCED SPEECH & DRAMA I  
**Grade:** 9-12  
**Credit:** 1.0  
**Description:** *Prerequisite: Speech & Drama I*  
Students will continue a more advanced study of acting techniques with the emphasis on the production of full length plays. The students will all assume roles in at least one full-length production. Students will also participate in writing scripts for performance. Students will also participate either in full-length or shorter length plays performed for a variety of grade schools. Students will be given opportunities to direct other students in scene work. Students will be encouraged to work independently to learn to create, plan, and produce their ideas in different media. Students will prepare projects to study acting techniques and theater history in greater depth.

**Fine / Performing Arts**
**Course Title:** COMPETITIVE SPEECH & DRAMA I  
**Grade:** 9-12  
**Credit:** .50  
**Description:** Minimum class size of 12  
*Prerequisite: Either Speech & Drama I or at least one season of Speech Team Competition (must be approved by Mrs. Sanders).*  
This is a semester long course. (The course may be taken in conjunction with competition on Speech Team, but only one tournament each semester will be mandatory. This course will offer students opportunities to grow proficient in a variety of presentation styles. The course will cover: Dramatic, Humorous, Oratorical, and Duo Interp, Prose-Poetry, Impromptu, Extemp, Congress, and Debate. Students will work with their teacher to "specialize" in different areas of competition while gaining experience in all. Students will also participate in a variety of other competitive speech contests—such as --The Voice of Democracy Speech Contest, The Shakespeare Competition, The Flower Hospital Speech Contest, and the American Legion Speech Contest. It is a great opportunity for students to hone presentation skills that will serve them throughout life.

**Fine / Performing Arts**
**Course Title:** MUSICAL THEATRE DANCE  
**Grade:** 9-12  
**Credit:** .50  
**Description:** This semester course dance class is for both inexperienced and experienced dancers. Student will learn dance with a concentration on styles found in musical theatre.
Fine / Performing Arts
Course Title: ART I
Grade: 9-12
Credit: .50
Description: This course is an introduction to the principles, elements and history of art. The fundamentals of drawing, painting, printmaking and ceramics are explored.

Fine / Performing Arts
Course Title: ART II
Grade: 10-12
Credit: .50
Description: *Prerequisite: Art I
This course encourages experimentation with new approaches, various media and techniques in drawing, painting, sculpture, and ceramics.

Fine / Performing Arts
Course Title: ADVANCED PLACEMENT (AP) ART HISTORY
Grade: 10-12
Credit: 1.0
Description: *Prerequisites: Signature of History and English Teacher minimum of 6 students
The AP Art History course is equivalent to a two-semester introductory college course that explores topics such as the nature of art, art making, and responses to art. By investigating a specific image set of 250 works of art characterized by diverse artistic traditions from prehistory to the present, the course fosters in-depth, holistic understanding of the history of art from a global perspective. Students become active participants in the global art world, engaging with its forms and content, as they experience, research, discuss, read, and write about art, artists, art making, and responses to and interpretations of art. Students are required to take the AP test for college credit.

Fine / Performing Arts
Course Title: 3-D ART
Grade: 9-12
Credit: .50
Description: This is a hands-on class where students will learn the basic principles of making sculpture and ceramics. All grade levels are invited and there is no prerequisite. This course may be combined with another fine/performing arts semester to fulfill the fine/performing arts credit.

Fine / Performing Arts / Technology
Course Title: DIGITAL PHOTOGRAPHY
Grade: 10-12
Credit: .50
Description: *Pre-requisite Art I
This course will explore digital photography. Topics covered are history, composition, lighting, camera function, and special techniques including manipulation with software. Students will need to provide their own digital camera for this course.

Fine / Performing Arts / Technology
Course Title: GRAPHIC DESIGN I
**Fine / Performing Arts / Technology**

**Course Title: GRAPHIC DESIGN II**

**Grade:** 10-12  
**Credit:** .50  
**Description:** Minimum of 6 *Prerequisites: Art I and Computer Applications I or II (as a pre or co-requisite)

This course offers the basic concepts of design and photo-editing with hands-on and digital projects. Students will use Adobe Photoshop and the Wacom tablet to enhance existing graphics and create their own digital artworks. Students will explore the evolution of design movements and designers who have impacted the field of graphic design.

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**Physical Education & Health**

**Physical Education**

**Course Title: TEAM ACTIVITIES**

**Grade:** 9-12  
**Credit:** .25

**Description:** This course, recommended for grade 9, is designed to give the students the opportunity to learn individual skills, sport-specific fitness, and team strategy while participating in aerobics, volleyball, basketball, soccer, softball, field hockey and gymnastics.

**Physical Education**

**Course Title: INDIVIDUAL ACTIVITIES**

**Grade:** 9-12  
**Credit:** .25

**Description:** This is a grade 10 recommended course. It is designed to teach basic techniques and fitness in a variety of individual activities including tennis, golf, archery, fencing, and gymnastics.

**Health**

**Course Title: HEALTH**

**Grade:** 9-12  
**Credit:** .50

**Description:** This course is designed as an overview of basic health related topics with emphasis on how these relate to women. Topics include: stress, nutrition, substance abuse, systems of the body, mental health, behavior and emotions, physical fitness, infections and diseases.
Technology

Course Title: COMPUTER APPS I
Grade: 9-12
Credit: .50
Description: This introductory course is designed to give the student a comprehensive knowledge of MS Office. Students will learn document formatting for various business documents. Word and Excel are explored thoroughly. Publisher and PowerPoint are also covered. Internet safety and current technological advancements are discussed and researched.

Course Title: MUSIC TECHNOLOGY I
Grade: 9-12
Credit: .50
Description: Learn to create your own mixes, mash-ups, music videos, film scores and original compositions even if you have never had any musical experience. Students will learn notation, sequencing, editing and basic keyboard skills using computers, digital recorders and electronic instruments. Class projects include a class album and a podcast. Students receive .50 credit in fine arts OR technology.

Course Title: MUSIC TECHNOLOGY II
Grade: 9-12
Credit: .50
Description: *Prerequisite: Music Technology I
Music Tech II is a continuation of Music Tech with an emphasis on recording and mixing. Students will use various platforms to create, edit, and mix original music. Time outside of class will be required to record student groups. Projects include using ProTools Software to record, mix, and edit, live performances, advanced electronic mixes, and creating original electronic music.

Course Title: WEB DESIGN & CODING
Grade: 8-12
Credit: .50
Description: This course is an entry level programming course designed to teach students basic programming code and theories with an emphasis on developing logical thinking and problem solving skills. The focus will be on web related languages, but principles can be applied toward any coding language. Relevant languages covered are HTML, CSS, and Javascript. The course will also explore the basics of web design thinking and application.

Fine / Performing Arts / Technology
Course Title: DIGITAL PHOTOGRAPHY
Grade: 10-12
Credit: .50
Description: *Prerequisite: Art I
This course will explore digital photography. Topics covered are history, composition, lighting, camera function, and special techniques including manipulation with software. Students will need to provide their own digital camera for this course.
**Fine / Performing Arts / Technology**

**Course Title:** GRAPHIC DESIGN I  
**Grade:** 10-12  
**Credit:** .50  
**Description:** Minimum of 6  
*Prerequisites: Art I and Computer Applications I or II (as a pre or co-requisite)*  
This course offers the basic concepts of design and photo-editing with hands-on and digital projects. Students will use Adobe Photoshop and the Wacom tablet to enhance existing graphics and create their own digital artworks. Students will explore the evolution of design movements and designers who have impacted the field of graphic design.

**Course Title:** GRAPHIC DESIGN II  
**Grade:** 10-12  
**Credit:** .50  
**Description:** Minimum of 6  
*Prerequisites: Art I and Computer Applications I or II (as a pre or co-requisite)*  
This course offers the advanced concepts of design and photo-editing with hands-on and digital projects. Students will use Adobe Photoshop and the Wacom tablet to enhance existing graphics and create their own digital artworks. Students will explore the evolution of design movements and designers who have impacted the field of graphic design.

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**Business**

**Course Title:** ACCOUNTING I  
**Grade:** 10-12  
**Credit:** .50  
**Description:** This semester course is open to all Sophomores, Juniors, and Seniors. Students must be sufficiently competent in basic math skills. Emphasis is placed on basic principles of accounting as applied to a sole proprietorship, a partnership, and a corporation. Through the use of automated accounting and presentation programs, students use technology for analysis, problem solving and other business situations. A unit on taxes and checking accounts is included if time allows.

**Course Title:** ACCOUNTING II  
**Grade:** 10-12  
**Credit:** .50  
**Description:** *Prerequisite: Accounting I with at least a B average.*  
This secondary course provides the students with a solid foundation in accounting principles and procedures, which are essential for those who wish to pursue accounting as a career. Emphasis is placed on payroll, corporate accounting, business simulations, and computer applications.

**Course Title:** BUSINESS ESSENTIALS  
**Grade:** 10-12  
**Credit:** .50  
This semester course will introduce students to contemporary business essentials by covering principles of business marketing and management, characteristics/nature of businesses, entrepreneurship and career opportunities in Business. Students will explore ethics from a managerial approach and learn how ethics and business go together. Students will also research socially responsible businesses and see what characteristics should be present.
**Financial Literacy:**

**Course Title:** FINANCIAL LITERACY  
**Grade:** 9-12  
**Credit:** .25  
**Description:** This 30-hour online course about financial responsibility and money management will be completed independently by students. Material covered will include: employment decisions, understanding earning statements and employment documents, banking decisions (e.g. savings, checking, debit accounts and loans), investment options and the cost and benefits of these options, and risk management (strategies to protect your personal assets). This is a Pass/Fail course.

**Electives**

**Course Title:** CREATIVE WRITING  
**Grade:** 10-12  
**Credit:** .50  
**Description:** This course promotes the development of individual voices through the various forms of creative writing, i.e., poetry, short story, essay. It is structured to allow student dominated discussion and critiquing of individual works. Students will not only learn to express themselves better in writing, but also strengthen their analysis, discussion, and critiquing skills. Students also produce the literary magazine.

**Electives**

**Course Title:** CULTURE & LITERATURE  
**Grade:** 10-12  
**Credit:** .50  
**Description:** What is literature really? How does culture impact writing, and vice versa? This course has been designed to explore the interrelationship between cultural tradition, traditional literature, and modern media. An interdisciplinary approach is taken, and students can expect to explore and analyze poetry, plays, novels, articles, songs, philosophy, history, television, and film in order to analyze how culture and literary expression intersect.

**Electives**

**Course Title:** EXPLORING SHAKESPEARE THROUGH FILM & TEXT  
**Grade:** 11-12  
**Credit:** .50  
**Description:** In this course, students conduct a close, textual analysis of major plays in the genres of tragedy and comedy, supported through the incorporation of various film adaptations. Sonnets will also be examined. Student will explore Shakespeare’s treatment of genre, character, dramatic form, and his engagement with issues of politics, poetics, psychology, theology, gender and humanity. Classes will also include analysis of plays’ scripts and exploration of performance elements through student projects.

**Electives**

**Course Title:** JOURNALISM I  
**Grade:** 10-12  
**Credit:** 1.0  
**Description:** Journalism I aims to instill and to develop basic understanding of journalism in print, photography, and broadcast. Students learn the vocabulary and the tools of the field to develop skills in journalistic forms of writing and design for print and broadcast. Also, students will receive computer training with a concentration on the InDesign and PageMaker software. Careers in Journalism and related fields will be explored.
**ELECTIVES**

**Course Title:** ATHLETICS VIDEOGRAPHER  
**Grade:** 10-12  
**Credit:** 1.0  
**Description:** Students will record athletic events and contests under the supervision of the athletic director and athletic coaches. Students will also work with the coaches to edit the recorded video for multiple purposes. Before and after school hours will be required. Full year opportunity.

**PHYSICAL EDUCATION (Elective)**

**Course Title:** FITNESS & NUTRITION  
**Grade:** 9-12  
**Credit:** .50  
**Description:** This course is an activity-based class that will emphasize many aspects of fitness—cardiovascular, strength, balance and coordination, and flexibility. Activities will include yoga, tai chi, balls and bands, and weight training. The students will develop a personal fitness plan. In addition, nutrition concepts will be incorporated into the course.

**ELECTIVES**

**Course Title:** POINTS ACT PREP  
**Grade:** 10-11  
**Credit:** .50  
**Description:** This class is recommended for students preparing for the ACT. The three primary goals of this course are (1) To prepare students for the ACT, (2) To develop test-taking strategies to apply to future tests, and (3) To enhance logic ability, critical thinking, and writing skills necessary for success in college. We will review all grammar for the English section, all math concepts for the Math section, and test-taking strategies for all four sections. The strategies learned provide students the opportunity to increase ACT confidence & comfort and decrease anxiety. The course is structured around concept lectures, paper & pencil group and individual exercises, full length practice testing and review.

**Modern & Classical Languages**

**Modern & Classical Languages**

**Course Title:** CHINESE I (COLLEGE PREP)  
**Grade:** 9-12  
**Credit:** 1.0  
**Description:** Students will learn Chinese Phonetics System (Pinyin) and the structure of the Chinese characters, as well as focus on listening, speaking and communications in Chinese. The students are expected to be able to write 50 Chinese characters, read 200 new words, as well as 100 basic sentences patterns to communicate at the end of the year. Chinese cultural knowledge will be addressed by means of activities in the class.

**Modern & Classical Languages**

**Course Title:** CHINESE I (HONORS)  
**Grade:** 9-12  
**Credit:** 1.0  
**Description:** In addition to the Chinese I standard class requirements, the honors class will be taught to write an additional 20 Chinese characters and be able to read an additional 40 new words. The situational dialogue practice will be discussed in the class.
Modern & Classical Languages
Course Title: CHINESE II (COLLEGE PREP)
Grade: 9-12
Credit: 1.0
Description: Students will work on the accuracy of Pinyin and tones, and continue with the structures of the Chinese characters; the focus will be on listening, speaking, writing and communications in Chinese. The students are expected to be able to write 100 new Chinese characters, be able to read 230 new words with slight helps of Pinyin and be able to use 140 sentence patterns to be communicated at the end of the year. The students will develop intercultural understanding in the class.

Modern & Classical Languages
Course Title: CHINESE II (HONORS)
Grade: 9-12
Credit: 1.0
Description: In addition to the Chinese II standard class requirements, the honors class will be taught to write an additional 20 Chinese characters and be able to read an additional 50 new words without Pinyin. The students will be expected to make sentences and conduct situational dialogues.

Modern & Classical Languages
Course Title: CHINESE III (COLLEGE PREP)
Grade: 10-12
Credit: 1.0
Description: Students will continue their development of fluency through listening, speaking, writing, and communication in the Chinese language. Students will learn 300 new words and 135 sentence patterns. They will communicate clearly and effectively on a range of topics and situations. They will work on reading, writing and short paragraphs/articles as well.

Modern & Classical Languages
Course Title: FRENCH I (COLLEGE PREP)
Grade: 9-12
Credit: 1.0
Description: This is a beginning course in French during which the student is introduced to many aspects of French teenagers’ lives. As the student becomes acquainted with a new culture, she gradually learns to use the most important part of that culture — its language. There is a careful, progressive development of all the communication skills: listening and reading, comprehension, speaking fluency and writing accuracy.

Modern & Classical Languages
Course Title: FRENCH I (HONORS)
Grade: 9-12
Credit: 1.0
Description: This is a beginning course in French during which the student is introduced to many aspects of French teenagers’ lives. As the student becomes acquainted with a new culture, she gradually learns to use the most important part of that culture — its language. There is a careful, progressive development of all the communication skills: listening and reading, comprehension, speaking fluency and writing accuracy.

Modern & Classical Languages
Course Title: FRENCH II (COLLEGE PREP)
Grade: 9-12
Credit: 1.0
**Description:** This second course in French offers the opportunity to further develop the communication skills begun in French I. The purpose of this course is to complete the study of the main grammatical concepts of the French language in the context of understanding the French people and their daily lives and interests.

**Modern & Classical Languages**  
**Course Title:** FRENCH II (HONORS)  
**Grade:** 9-12  
**Credit:** 1.0  
**Description:** This course is the same as French II but on an accelerated scale. Less time is spent on the drilling of the grammatical aspects and more time on speaking the language. The class is conducted mainly in French. Admission to this course requires the teacher’s approval.

**Modern & Classical Languages**  
**Course Title:** FRENCH III (COLLEGE PREP)  
**Grade:** 9-12  
**Credit:** 1.0  
**Description:** This course is a continuation of French II with more emphasis on creative oral and written expression. Readings, periodical articles and short stories serve as a basis for vocabulary development, cultural awareness and class discussion. French III students continue their study of the major points of French grammar as needed for development of communication skills. Much of the class is conducted in French. Admission to this course requires the teacher’s approval.

**Modern & Classical Languages**  
**Course Title:** LATIN I (COLLEGE PREP)  
**Grade:** 9-12  
**Credit:** 1.0  
**Description:** This course provides a thorough study of fundamental Latin grammar and vocabulary. An important goal is the ability to write a coherent translation from Latin into English. Classical mythology and the study of aspects of Roman life such as the Roman family, schools, religion, and entertainment acquaint the student with the civilization that formed the basis for our own.

**Modern & Classical Languages**  
**Course Title:** LATIN I (HONORS)  
**Grade:** 9-12  
**Credit:** 1.0  
**Description:** This course presents the same grammatical, historical and cultural material as Latin I, but students will be required to demonstrate a deeper understanding of underlying concepts, primarily through the completion of additional assignments. Admission to the course requires the teacher’s approval.

**Modern & Classical Languages**  
**Course Title:** LATIN II (COLLEGE PREP)  
**Grade:** 9-12  
**Credit:** 1.0  
**Description:** Latin II continues and extends the study of the Latin language begun in Latin I. Emphasis is placed on acquiring vocabulary and developing translation skills. Roman history and geography are presented along with continuing study of Greek and Roman myths.

**Modern & Classical Languages**  
**Course Title:** LATIN II (HONORS)
Modern & Classical Languages
Course Title: LATIN III (COLLEGE PREP)
Grade: 10-12
Credit: 1.0
Description: This course presents the same grammatical, historical and cultural material as Latin II, but students will be required to demonstrate a deeper understanding of underlying concepts, primarily through the completion of additional assignments. Admission to this course requires the teacher’s approval.

Modern & Classical Languages
Course Title: SPANISH I (COLLEGE PREP)
Grade: 9-12
Credit: 1.0
Description: This is a beginning course in Spanish in which students are introduced to Spanish life as it is lived by millions of teenagers in both hemispheres. As the student progresses through the year, she learns to use the language through the progressive development of the four basic language skills: listening, reading, speaking and writing. There is some stress on integrating an understanding of the Hispanic culture with the study of the language.

Modern & Classical Languages
Course Title: SPANISH I (HONORS)
Grade: 9-12
Credit: 1.0
Description: This course is the same as Spanish I but on an accelerated scale designed for students who have either had significant previous exposure to Spanish or have scored high on the Math and English language sections of the High School Placement Test. There will be additional emphasis on conversation, reading, and composition skills.

Modern & Classical Languages
Course Title: SPANISH II (COLLEGE PREP)
Grade: 9-12
Credit: 1.0
Description: This second course in Spanish is a continuation of Spanish I and its goals, with additional emphasis on the use of the oral language and continued learning of verb forms, grammar points, vocabulary, and the history and culture of the Spanish-speaking countries.

Modern & Classical Languages
Course Title: SPANISH II (HONORS)
Grade: 9-12
Credit: 1.0
Description: *Prerequisite: B+ average in Honors Spanish I or a high A average in Spanish I
This course is the same as Spanish II but on an accelerated scale. Less time is spent on the drilling of the grammatical aspects and more time on speaking and writing the language. The class is conducted in Spanish. Admission to this course requires the approval of the teacher.
**Modern & Classical Languages**

**Course Title: SPANISH III (COLLEGE PREP)**

**Grade: 9-12**  
**Credit: 1.0**

**Description:** Minimum class size of 12  
Prerequisite: B average in Spanish II  
This course reviews some major grammatical concepts from level 2 and continues with advanced grammar structures. The course is also a cultural/historical survey of the Spanish speaking world. Target language reading articles exploring culture, history, and literature are included to bridge the gap between lower and more advanced levels of Spanish. Admission to this course requires the approval of the teacher.

**Modern & Classical Languages**

**Course Title: SPANISH III (HONORS)**

**Grade: 9-12**  
**Credit: 1.0**

**Description:**  
Prerequisite: high B average in Honors Spanish II or a high A average in Spanish II  
This course is the same as Spanish III but on an accelerated scale. In addition to grammar study, time is spent on the use of the language in oral and written communication. Readings taken from Spanish literature serve as a basis for vocabulary development, cultural awareness and class discussion. The class is conducted in Spanish. Admission to this course requires the approval of the teacher.

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**College Credit Plus**

**College Credit Plus (CCP)**

**Course Title: MEDICAL TERMINOLOGY**

**Grade: 7-12**  
**Credit: 3 College Credits/1 Carnegie Unit**

**Description:** Minimum class size 20. Students who participate in CCP on-NDA campus Early College Options, must attend a Mandatory Student and Parent Meeting in March and complete the Intent to Participate form before April 1st. Students must also attend all application and registration sessions. Students must also be approved by ODE in order to take this course free of charge. This course delves into critical vocabulary used widely in the medical field. Students working or volunteering in medical settings and students who plan to have a career in the medical field are encouraged to take this course. This course is may be taught as a partial hybrid blended class by an Owens Community College Professor. Students who are enrolled in this class must reserve Blocks 1 & 5 in their schedule.

**College Credit Plus (CCP)**

**Course Title: 21ST CENTURY STEM CAREERS**

**Grade: 7-12**  
**Credit: 3 College Credits/1 Carnegie Unit**

**Description:** Minimum class size 20. Students who participate in CCP on-NDA campus early college options, must attend a Mandatory Student and Parent Meeting and complete the Intent to Participate form before April 1st. Students must also attend all application and registration sessions. This course delves into a variety of careers that fall into the high growth industries of Science, Technology, Engineering and Mathematics. This course may be taught as a partial hybrid blended class by an Owens Community College Professor. Students who are enrolled in this class must reserve Blocks 1 & 5 in their schedule.
Please Note: Some courses have minimum enrollment requirements in order to run.

Service Learning Requirement: 30 Hours
(At a location of the student’s choosing)
**Course Offerings: Grade II**

**Language Arts**

**Course Title:** ENGLISH II (COLLEGE PREP)  
**Grade Level:** II  
**Credit:** 1.0  
**Description:** The purpose of this course is to teach students to think critically and creatively and express themselves competently. The writing process is stressed, not only in the research paper but in the shorter writings that lead up to and follow the research paper. A historical approach to American Literature introduces the student to significant American writings and literary genre. In-depth reading of significant caliber is required.

**Course Title:** ENGLISH II (HONORS)  
**Grade Level:** II  
**Credit:** 1.0  
**Description:** This course provides practice in all phases of the writing process. Assigned writings include critical analysis, forceful argument, clear exposition, and a comprehensive research paper. Chronological sequence sets the pattern for tracing the literary heritage of America. Specific genre divisions mark the selections and express American thought according to the views of the major American writers. The following criteria are considered for admission to Honors:
1. B average (90%) maintained in Honors English each semester or a 98% in English II each semester to move up.
2. Evidence of class participation.
3. English teacher's recommendation
4. Mandatory test for students not recommended by English teacher.

**Course Title:** INTERNATIONAL BACCALAUREATE (IB) ENGLISH HL (YEAR ONE)  
**Grade Level:** II  
**Credit:** 1.0  
**Description:** *Prerequisite: 95% Reg./88% Honors English II*  
This course goes beyond mere reading of texts and explores the language of literature, helping students develop the ability to interpret, analyze, speak, and write about various texts, both prose and poetry, classical and contemporary, written and visual. The first year of the course will strengthen students' skills in close reading and written literary analysis in fiction and nonfiction. It will also spend a semester focusing on world literature, exploring how specific pieces arise from certain time periods and cultures. Major assessments include a 20-minute creative presentation in semester 1 and a 1200-1500-word essay in semester 2.

**Mathematics**

*Mathematics I, II, and III courses are integrated in their approach to Algebra, Geometry, Number Sense, and Probability & Statistics.*  
*If it is the intention of a student to take AP Calculus at NDA, that student must meet the requirements to take Honors Math II her freshman year and continue on this track.*  
*Admission into Honors or an above grade level Math class is based upon Math Placement Test results.*  
*The TI-84 Plus family of graphing calculator is the required calculator for all NDA Math students. This calculator may also be used in Science courses.*
Mathematics
Course Title: MATH II (COLLEGE PREP)
Grade Level: 10, 11
Credit: 1.0
Description: *Admission to this course requires department approval.
This course includes study of Number Sense, Algebra, Geometry, Trigonometry, Probability/Statistics.
This course is also open to incoming Freshmen who have studied algebra for much of their eighth grade year and scored high on the HSPT and an additional Math Placement Test.

Mathematics
Course Title: MATH II (HONORS)
Grade Level: 10, 11
Credit: 1.0
Description: *Admission to this course requires department approval.
This course includes study of Number Sense, Algebra, Geometry, Trigonometry, Probability/Statistics.
This course is also open to incoming Freshmen who have mastered Algebra for much of their eighth grade year and scored high on the HSPT and an additional Math Placement Test.

Mathematics
Course Title: MATH III (COLLEGE PREP)
Grade Level: 10, 11
Credit: 1.0
Description: *Prerequisite: Math II and department approval.
This course is a rigorous continuation of the Honors Math II course. It includes study of Algebra, Geometry, Trigonometry, and Probability/Statistics.

Mathematics
Course Title: MATH III (HONORS)
Grade Level: 10, 11
Credit: 1.0
Description: *Prerequisite: Math II and department approval.
This course is a rigorous continuation of the Honors Math II course. It includes study of Algebra, Geometry, Trigonometry, and Probability/Statistics.

Mathematics
Course Title: MATH IV (COLLEGE PREP)
Grade Level: 11
Credit: 1.0
Description: *Prerequisite: Math III
This course involves a continuation of the study of Algebra, Geometry, Functions and Trigonometry. In addition, new material on Set Theory, Number Theory, Logic and Statistics are included.

Mathematics
Course Title: PRE-CALCULUS (HONORS)
Grade Level: 11, 12
Credit: 1.0
Description: *Prerequisite: Math III (II) and department approval.
This course continues an in-depth study of Functions and Trigonometry as well as an introduction to Limits, the Derivative, and their applications.
Mathematics
Course Title: STATISTICS & PROBABILITY (COLLEGE PREP)
Grade Level: 11, 12
Credit: 1.0
Description: *Prerequisite: Math III or department approval.
This course is designed to give the student the skills necessary to make sense of the numbers one encounters in today's world. It considers data analysis, data collection, probability, confidence intervals and hypothesis testing. Statistics is likely to be among the college course requirements for students who pursue nursing, psychology, accounting, economics, management, or any area that requires research.

Mathematics
Course Title: ADVANCED PLACEMENT (AP) CALCULUS (AB)
Grade Level: 11, 12
Credit: 1.0
Description: *Prerequisite: Pre-Calculus (Honors) and department approval.
AP Calculus is open to juniors; seniors can take this course only if they plan on taking a college-level Calculus course. The AP Calculus AB curriculum is followed which includes concepts of Limits, Derivatives, and integrals. Students are required to take the AP test for college credit.

Mathematics
Course Title: INTERNATIONAL BACCALAUREATE (IB) MATHEMATICAL STUDIES (SL)
Year One
Grade Level: 11, 12
Credit: 1.0
Description: *Prerequisite: Honors Math III
Mathematical Studies SL is a standard-level two year IB course for students who are proficient in mathematics. Building on students’ proficiencies in Algebra and Geometry, this course will study Functions, Trigonometry, Sequences and Series, and Sets. This two-year course will provide students with the analytical tools and language necessary to apply learned principles. Students will come to appreciate the power and beauty of Mathematics as they investigate global issues and investigate real world applications of Mathematics.

Mathematics
Course Title: INTERNATIONAL BACCALAUREATE (IB) MATHEMATICS (SL)
Year One
Grade Level: 11, 12
Credit: 1.0
Description: *Prerequisite: Honors Math III
Mathematics SL is the standard-level two year IB course for students who are proficient at Mathematics as shown by strong performance in the prerequisite of Honors Math III. Students in this course will probably pursue college courses in Mathematics, Science, or Economics. Building on student’s strong Pre-Calculus proficiency, they will delve deeply into further study of Algebra, Geometry, Trigonometry, Statistics, and Probability, honing critical-thinking abilities and an appreciation of complex concepts in Mathematics.

Mathematics
Course Title: INTERNATIONAL BACCALAUREATE (IB) MATHEMATICS (HL)
Year One
Grade Level: 11, 12
**Mathematics**

**Course Title:** Mathematics HL

**Credit:** 1.0

**Description:** *Prerequisite: Pre-Calculus Honors, 88% or above

This class is offered online with a fee.

Mathematics HL is an advanced level IB course for students who are very proficient in Mathematics as shown by strong performance in Honors Math III or very strong performance and teacher recommendation in Math III. This two-year course covers a more advanced range of mathematical concepts than the IB Mathematical Studies SL course. Students in this course will probably pursue college courses in Mathematics, Science, or Economics. Students will build on their strong Pre-Calculus proficiency and delve deeper into further study of Algebra, Geometry, Trigonometry, Statistics, and Probability, honing their critical-thinking abilities and appreciation of the advanced concepts in Mathematics.

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**Theology**

**Course Title:** THEOLOGY III (COLLEGE PREP)

**Grade Level:** 11

**Credit:** 1.0

**Description:** Morality – one semester

This course examines the complex problems of faith and morality in the modern world while moral decision-making, freedom and responsibility, conscience formation, imitating Jesus and living the Beatitudes are the foundation that is then empowering students to understand and live out the Church’s teachings. The moral act and applied to life situations and moral issues.

**Theology of the Body – one semester**

This course explores God’s plan for human sexuality in light of Catholic teaching. Because the body is a “theology,” it is meant to be a sign of God’s own life and love in the world. Theology of the Body challenges students to discover God’s call in their lives through an examination of relationships and dating, responsible sexuality, and discerning the vocation of single, married and religious life. This course integrates the practical aspects of becoming a responsible, mature adult with our call to holiness.

**Sciences**

**Course Title:** ANATOMY/PHYSIOLOGY (COLLEGE PREP)

**Grade Level:** 11

**Credit:** 1.0

**Description:** *Prerequisites: Biology and Chemistry

This lab course develops the fundamental concepts of human anatomy and physiology. Laboratory experiences include dissection of all major organs utilizing food industry animals (pigs and sheep); systems analysis using fetal pigs; explorations into the student’s personal physiology; and women’s health issues.

**Course Title:** ANATOMY/PHYSIOLOGY (HONORS)

**Grade Level:** 11

**Credit:** 1.0

**Description:** *Prerequisites: B average in both Biology and Chemistry

This lab course provides a more-in-depth view of the fundamental concepts of human anatomy and physiology. Laboratory experiences include dissection of all major organs utilizing food industry animals.
(pigs and sheep); systems analyses using fetal pigs; exploration into students’ personal physiology; and women’s health issues. Pacing of this honors course will be rapid. Students will be expected to write a series of short papers on selected health issues throughout the year using a variety of resources.

**SCIENCE**

**Course Title: Advanced Placement (AP) Biology II**

**Grade Level:** 11-12

**Credit:** 1.0

**Description:** Minimum class size of 12

*Prerequisites: Biology, Chemistry—Double Blocked—Offered in odd years only⇒ Next in 2017

Anatomy prerequisite or co-requisite recommended. Overall science average >3.3; signature of AP Biology teacher required.

This lab course includes an in-depth study of biological chemistry, cells, energy transformations, molecular genetics, heredity, evolution, taxonomy and systematics, and ecology. The pace and content of this course demand highly self-motivated students willing to spend extra time in its preparation. It is highly recommended that Physics be taken as a prerequisite. Students are required to take the AP test for college credit.

**Sciences**

**Course Title: International Baccalaureate (IB) Biology (HL) Year One**

**Grade Level:** 11

**Credit:** 1.0

**Description:**

*Prerequisite: Chemistry, 88% or above

Biology HL will run over two years. Year one will focus on a variety of topics such as Biochemistry, Cellular Biology, Evolution, Plant Science and Ecology. The depth and breadth of the curriculum encourages the discussion of global and ethical issues. A significant amount of time will be spent in and out of class studying the Scientific Method, analyzing data and designing scientific investigations. Included in this year is a student designed and student driven multidisciplinary group project. Extensive time will be spent in the lab practicing skills and applying concepts to develop a deeper understanding of course content. This is a course where students will think and communicate like a scientist as they learn the course material.

**Sciences**

**Course Title: Introduction to Molecular Genetics (Honors)**

**Grade Level:** 11-12

**Credit:** .50

**Description:** Minimum class size of 12

*Prerequisites: B average in Biology, Chemistry. Co- or prerequisite: Anatomy. Signature of Chemistry or Anatomy instructor.

This lab course explores the world of DNA using the most up-to-date biotechnology. Students will: isolate DNA from themselves as well as other organisms; insert genes; amplify specific DNA sequences using PCR technology; purify sequences using electrophoresis. Computer simulations will supplement class work. The pace and content of this college level course demand highly self-motivated students willing to spend extra time preparing coursework.

**Sciences**

**Course Title: Advanced Placement (AP) Chemistry II**

**Grade Level:** 11-12

**Credit:** 1.0

**Description:** Minimum class size of 12

*Prerequisites: A average in both Biology, Chemistry (Honors) Signature of AP Chemistry Teacher required. Physics is highly recommended as co– or prerequisite.

This lab course includes an in-depth study of stoichiometry, chemical equations, gases, thermochemistry, atomic structure and periodicity, bonding, liquids and solids, solutions, kinetics, acids & bases, equilibrium, thermodynamics, and electrochemistry.
Due to the pace of this course, students must be highly self-motivated and willing to spend extra time preparing for coursework. Students are required to take the AP test for college credit.

**SCIENCE**

**Course Title:** ORGANIC CHEMISTRY (HONORS)

**Grade Level:** 11-12

**Credit:** 1.0

**Description:** Minimum class size of 12 - Double Blocked - Offered in odd years only → Next in 2017

*Prerequisites: Honors Chemistry (B average or above) or regular Chemistry with instructor’s approval.

This lab based course is a survey of concepts that would be covered in a typical college-level organic chemistry course. Organic chemistry is the study of carbon-containing molecules, which are the molecules of life. Topics will include IUPAC nomenclature, bonding, synthesis of organic compounds (such as pharmaceuticals, food additives, and/or industrial compounds), extraction and isolation techniques of natural organic compounds, molecular modeling, as well as mechanisms of chemical reactions.

**SCIENCE**

**Course Title:** ENGINEERING-THE MULTI-DISCIPLINARY SCIENCE (HONORS)

**Grade Level:** 11-12

**Credit:** 1.0

**Description:** Minimum class size of 12 *Prerequisites: Biology and Chemistry. Interest in applied science based career.

This course designed to introduce NDA students to engineering concepts and careers. The course covers five branches of engineering; Environmental, Civil, Materials, Mechanical and Electronics. The course includes projects and field trips as well as visiting lecturers. Grading is based on class participation, five short papers on the five branches studied, and a final exam paper. The purpose of the course is to introduce students to engineering as a possible career, not to teach them engineering, so it is not strictly a technology course. However, students will learn about how the technology is used. The course will introduce students to the concept of innovation and how the U.S. Patent Office system works. Students also will investigate college curricula associated with the five engineering disciplines.

**SCIENCE**

**Course Title:** ENVIRONMENTAL SCIENCE (COLLEGE PREP)

**Grade Level:** 11-12

**Credit:** 1.0

**Description:** *Prerequisites: Biology and Chemistry.

This lab course is a hands-on, project driven, integrated science. Concepts in chemistry, biology, geology, physics, and ecology will be used to actively examine various environmental issues. Topics will include developing a sustainable worldview, ecosystem structure and function, population balance, air and water resources, and issues such as global warming, acid rain, air and water pollution, deforestation, recycling, hazardous wastes, and endangered species. Interactive labs and field trips will allow students to gain a better understanding of important issues that our world is facing today.

**SCIENCE**

**Course Title:** ADVANCED PLACEMENT (AP) ENVIRONMENTAL SCIENCE

**Grade Level:** 11-12

**Credit:** 1.0

**Description:** Minimum class size of 12 *Prerequisites: Biology and Chemistry overall science average >3.0, Signature of AP Enviro. Teacher

The goal of this lab course is to provide students with the scientific principles, concepts and methodologies required to understand the interrelationships of the natural world, to identify and analyze the environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving and/or preventing them. Themes and topics include science as a process; energy conversions underlying all ecological processes; the earth as
one interconnected system; human alteration of natural systems; the cultural and social context of environmental problems; and developing practices that will achieve sustainable systems. The pace and content of the course demand highly self-motivated students willing to spend extra time preparing coursework. Students are required to take the AP test for college credit.

**Sciences**

**Course Title: INTRODUCTION TO ASTRONOMY**

**Grade Level: 11-12**

**Credit: .50**

**Description:** *Prerequisites: Biology and Chemistry*

This course is a survey course which will explore the wonders of the universe. Beginning with the earth-moon-sun system, including such topics as earth's seasons, tides, and the phases of the moon, topics will expand to include the rest of the solar system, our galaxy and finally the universe as a whole. The theme of evolution will unify the course content, including the birth, life and death of stars, the development of galaxies and the beginnings and eventual fate of the universe. Information from other science and math classes will be integrated.

**Sciences**

**Course Title: ROBOTICS & INNOVATION (HONORS)**

**Grade Level: 11-12**

**Credit: 1.0**

**Description:** Minimum class size of 12

This project-based course will provide students with an introduction to robotics, product engineering, and innovation. In the first semester, student teams will build working robots and program them to perform simple tasks. Teams will compare their robot performance against one another. In the second semester, students will be introduced to the concept of innovation and will work in teams to research and invent innovative new products. Each team will construct prototypes using a “maker space” laboratory and test their prototypes. To learn how new product ideas are protected, they will use the U.S. Patent Office web site to assess the innovativeness of their products and will create patent applications for them.

**Sciences**

**Course Title: PHYSICS (COLLEGE PREP)**

**Grade Level: 11-12**

**Credit: 1.0**

**Description:** *Prerequisites: Biology, Chemistry, and Math II Co-requisite: Math III*

This lab course emphasizes the conceptual basis of Physics through student explorations, lab work, demonstrations, and problem solving using mathematical expressions. There will be an emphasis on applications to real-world situations. Topics include forces and motion; heat, sound, and light; magnetism and electricity; atomic and nuclear physics.

**Sciences**

**Course Title: PHYSICS (HONORS)**

**Grade Level: 11-12**

**Credit: 1.0**

**Description:** *Prerequisites: B average in Chemistry and Math; signatures of Chemistry and Math Instructors. Co-requisite: Math III, H Math III, H Pre-Calculus*

This lab course includes the study of mechanics, heat, sound, light, electricity, magnetism, and nuclear reactions. Laboratory experiences extend these concepts into the practical realm. The pace of this course demands highly self-motivated students willing to spend extra time preparing coursework.

**Sciences**

**Course Title: INTERNATIONAL BACCALAUREATE (IB) PHYSICS (SL) YEAR ONE**
Grade Level: 11
Credit: 1.0
Description: Prerequisite: Chemistry Honors and Math III Honors, 88% or above; Co-requisite: IB Mathematics SL or HL or Pre-Calculus or Higher
SL Physics will allow students to develop the traditional, practical skills and techniques of science while improving their applied mathematical skills. SL Physics will encourage the learner to become a critical thinker. Students will study the topics of mechanics, gravitational fields and forces, thermal physics, oscillations and waves. Included in this year is a student designed and student driven multidisciplinary group project. Extensive time will be spent in and out of class working on labs, practicing skills, and applying concepts to develop a deeper understanding of course content. Students must be strong in math to be successful at this course.

Science
Course Title: INTERNATIONAL BACCALAUREATE (IB) PHYSICS (HL) YEAR ONE
Grade Level: 11
Credit: 1.0
Description: Prerequisite: Chemistry Honors and Math III Honors, 88% or above; Co-requisite: IB Mathematics SL or HL or Pre-Calculus or Higher
HL Physics will allow students to develop the traditional, practical skills and techniques of science while improving their applied mathematical skills. HL Physics will encourage students to become critical thinkers. You will study the topics of mechanics, gravitational fields and forces, thermal physics, and oscillations and waves. Included in this year is a student designed and student driven multidisciplinary group project. Extensive time will be spent in and out of class working on labs, practicing skills, and applying concepts to develop a deeper understanding of course content. HL Physics covers more content, is more math intensive, and will require more critical thinking skills than SL when problem solving. You must be strong in math to be successful at this course.

Social Studies
Course Title: ECONOMICS
Grade Level: 11
Credit: .50
Description: This course is a combination of microeconomics and macroeconomics. Topics include the price system, business and labor organizations, government's role in taxes and spending, banking and investment, inflation and recession, economic statistics and theory, and international trade and development. Emphasis is on application of skills needed to be an effective consumer, worker, and citizen. Recommended for college-bound students interested in business.

Social Studies
Course Title: PSYCHOLOGY (COLLEGE PREP)
Grade Level: 11
Credit: .50
Description: Psychology is a semester course that explores insights into the behavior of individuals and groups. Topics covered include (but are not limited to) conformity, aggression, development, emotional well-being, personality, mental illness and treatments, and current psychology and social psychology theories.

Social Studies
Course Title: Psychology (Honors)
Grade Level: 11
Credit: 1.0
Description: This semester course is designed for students who are not able to fit a year-long AP course in their schedules. This course covers topics from general psychology but moves at a faster pace and will cover topics more in-depth. Topics covered will also include learning, memory, states of consciousness, and brain development as related to psychology and mental health. The following criteria are required for admission:
1. Signature of U.S. History teacher
2. A/B in English
3. A/B in U.S. History

Social Studies
Course Title: Advanced Placement (AP) Psychology
Grade Level: 11
Credit: 1.0
Description: This year long AP Psychology course is designed to introduce students to the systematic and scientific study of the behavior and mental processes of human beings and other animals. Students must accept the challenge of a rigorous academic curriculum to take the AP exam. Topics include history and research methods, biological bases of behavior, sensation and perception, states of consciousness, cognition, motivation and emotion, developmental psychology, personality, abnormal psychology, treatment of psychological disorders, and social psychology. Students are required to take the AP test for college credit. The following criteria are required for admission:
1. Signature of U.S. History teacher or IB Coordinator for Sophomore*
2. A/B in English
3. A/B in U.S. History/World History

Social Studies
Course Title: Advanced Placement (AP) United States (U.S.) History
Grade Level: 10, 11
Credit: 1.0
*Prerequisite: World History
U.S. History AP is a college-level course which covers the time period from the Age of Exploration in the 15th century to 1980’s conservatism. Students read a college text, investigate primary sources, and write many analytical essays. The pace of this course demands highly self-motivated students willing to spend extra time preparing for coursework. The following criteria are considered for admission to this course:
1. Signature of World History Teacher (A/B Honors or A in World History)
2. A/B in English I Honors or A in English I

Social Studies
Course Title: Sociology
Grade Level: 11
Credit: 1.0
Description: Study human interaction through application of scientific method of observation and analysis. This course would include studies of culture, deviance, social stratification, race/ethnicity, the family, education, economy, and urbanization. The goal of this class is to deepen student interest and awareness of human behavior and interaction, as well as sharpen analytical skills.
SOCIAL STUDIES:
COURSE TITLE: CONTEMPORARY GLOBAL ISSUES
GRADE LEVEL: 11
CREDIT: .50
DESCRIPTION: This course provides an in-depth study of domestic and international topics. Particular attention is devoted to current world affairs and their possible outcomes, helping students gain an international perspective in their lives. Past topics include: the economy, women, Immigration, terrorism, environment, and social issues.

SOCIAL STUDIES:
COURSE TITLE: WOMEN'S STUDIES
GRADE LEVEL: 11
CREDIT: .50
DESCRIPTION: This semester course is designed to introduce students to the role women have played in society throughout history, today and into the future. Issues include gender role stereotypes, self-esteem, education, and feminism. The physical, intellectual, social, emotional, psychological, and spiritual development of women will be discussed. An overview of women's history and essential readings in women's studies will be included. A global perspective of women and women's issues will be used throughout the course.

INTERNATIONAL BACCALAUREATE (IB) HISTORY OF THE AMERICAS (HL) YEAR ONE
COURSE TITLE: INTERNATIONAL BACCALAUREATE (IB) HISTORY OF THE AMERICAS (HL) YEAR ONE
GRADE LEVEL: 11
CREDIT: 1.0
DESCRIPTION: *Prerequisite: World History Reg. 95%/Honors 88% and any of the following: US History (95%), AP Art History, AP Psychology
This course will focus on the History of the Americas from Independence to Post WW II with emphasis placed on critical and evaluative thinking skills, essay writing, interpretation of original documents, and historiography. The central themes are political, social, ideological, cultural, and economic in nature and extend to address topics such as diversity, humanity, demographic changes, economic transformations, environment, globalization, democracy, politics, religion, war and peace, and diplomacy. Each unit will examine the history of the United States and then compare/contrast with the history of other nations of the Americas such as Canada, Mexico, Brazil, Venezuela, Haiti, and Peru.

INTERNATIONAL BACCALAUREATE DIPLOMA
COURSE TITLE: THEORY OF KNOWLEDGE (TOK)
GRADE: 11-12
CREDIT: 1.0
DESCRIPTION: “I know what I know. But how do I know it?” The TOK course will help you answer this question! Get on board to explore such questions as: What counts as knowledge? How does knowledge grow? What are its limits? Who owns knowledge and what is its value? This course aims to develop a fascination with the richness of knowledge as a human endeavor. You will be encouraged to develop an awareness of how knowledge is constructed and to reflect on your experiences as a learner in everyday
life. You will learn to make connections between academic disciplines and between thoughts, feelings and actions. Learn to appreciate the diversity of ways of thinking and ways of living. Take on the responsibilities of being a 'knower!' The Internal Assessment (presentation) and the External Assessment (prescribed title essay) are to be completed senior year.

**International Baccalaureate Diploma**

**Course Title:** CREATIVITY, ACTION & SERVICE (CAS)

**Grade:** 11-12

**Credit:** 1.0

**Description:** CAS is one requirement of the IB full diploma curriculum. The student has two years (junior/senior) to complete the requirements. CAS seeks to help develop a well-rounded student in the areas of Creativity, Action & Service. CAS is based on this quote, “if you believe in something, you must not just think or talk or write, but must act.” (Peterson, 2003 – CAS Guide) CAS encourages each student to engage in activities that promote creative thinking through art and other experiences, a healthy lifestyle through physical exertion and service to the community by respecting the rights, dignity and autonomy of others through unpaid and voluntary time. Students are asked to set goals prior to each activity and then reflect on those goals in light of eight learning outcomes. Service hours for CAS count towards the required NDA service hours. Due to the nature of CAS, it also fulfills the Senior Project requirement. It must be finished before the beginning of May of the student’s senior year. This is a pass/ fail credit.

**International Baccalaureate Diploma**

**Course Title:** EXTENDED ESSAY (EE)

**Grade:** 11-12

**Credit:** 1.0

**Description:** The Extended Essay is an externally assessed, in-depth, research-based academic endeavor on a topic of the student’s choice and is compulsory for all diploma candidate students. Although this task is completed independently over the student's Junior and Senior years, students are paired with a faculty mentor who supports the development of critical thinking and communication skills appropriate to the selected field. Culminating in a 4,000 word formally presented and reasoned argument, the Extended Essay showcases the student's mastery of the IB Learner Profile traits, including intellectual risk-taking, balance, and open-mindedness. Internal assignments to guide students through the research and writing process are awarded credit through the Theory of Knowledge (TOK) course.

**Performing Arts**

**Fine / Performing Arts**

**Course Title:** CHORUS I, II, III, IV

**Grade:** 9-12

**Credit:** .50

**Description:** Chorus is a great course to learn how to sing, read music, and polish your performance skills. Students will participate in four school concerts in addition to contests, workshops, and assemblies. More advanced students will be given special performance opportunities in small ensembles. Solo and group coaching is available to all choral students. Literature includes sacred and secular choral classics, world music, vocal jazz, barbershop, standards and musical theatre.

**Fine / Performing Arts**

**Course Title:** HONORS CHOIR

**Grade:** 9-12

**Credit:** 1.0
**Description:** The Honors Choir is a continuation of the curriculum in the Women’s Chorus at a quicker pace. Students will develop independent singing and rehearsal techniques in addition to their vocal training. Literature includes sacred and secular choral classics, world music, vocal jazz, barbershop, standards and musical theatre. Participants must be available for outside rehearsals, workshops and performances. Additional small group experiences are available including the Key of She and other a cappella groups.

**Fine / Performing Arts**  
**Course Title: VOICE CLASS**  
**Grade: 9-12**  
**Credit: .50**  
**Description:** Develop your singing voice in a low pressure environment. Students enrolled in voice class will learn vocal technique through the performance and study of classical literature, jazz, and musical theatre. Music history, performance practice and stage techniques will be incorporated into the curriculum. Students will participate in a recital and stage scenes from musical theatre productions as well as learn to identify common vocal problems. Outside performances are available, but optional. No experience necessary.

**Fine / Performing Arts**  
**Course Title: ADVANCED VOICE CLASS**  
**Grade: 9-12**  
**Credit: .50**  
**Description:** Prerequisite: Voice Class or Instructor Permission  
Advanced Voice is a continuation of the material learned in the beginning voice class. Special emphasis will be given to performing and audition techniques. Singers will be expected to give additional performances in this class. Outside performances are available, but optional.

**Fine / Performing Arts**  
**Course Title: ORCHESTRA I, II, III, IV**  
**Grade: 9-12**  
**Credit: .50**  
**Description:** Orchestra provides students with previous musical training an opportunity to grow in their musicianship and performance skills. Students will perform in at least two school concerts, as well as optional outside competitions and ensembles. Classes will focus on improvement of basic musical skills and technique in a group setting. Students will also learn the basics of independent practice. All instruments are welcome! This group will explore a wide range of musical styles from Baroque to Contemporary. Each student is required to either own her instrument or rent an instrument.

**Fine / Performing Arts**  
**Course Title: ORCHESTRA (HONORS)**  
**Grade: 9-12**  
**Credit: .50**  
**Description:** This ensemble is for students who are confident in their playing abilities and are able to perform at a higher musical level. Class will focus on ensemble playing and improvement of basic musical technique and skills in a group setting. Students will continue to develop independent practice skills. The repertoire will explore a wide range of musical styles from Baroque to Contemporary. Performance opportunities include at least two school concerts, chamber groups, musical pit, and outside competitions. All instruments are welcome! Students are required to own or rent their instrument. Faculty signature and/or audition required.
**Fine / Performing Arts**

**Course Title: PIANO & GUITAR CLASS**

**Grade:** 9-12  
**Credit:** .50  
**Description:** (Maximum class size of 15.) Students will choose to learn either piano or guitar in a group setting. The class will use group instruction and individual practice time. Piano will focus mostly on simple melodies and easy two-hand songs, while guitar will focus mostly on chords and strumming patterns. Students are welcome to bring their own acoustic guitars. No prior music experience is required.

**Fine / Performing Arts**

**Course Title: MUSIC COMPOSITION I**

**Grade:** 9-12  
**Credit:** .50  
**Description:** This course is designed for students with little or no previous musical training. The class begins with the basics of notation, note and rhythm reading, and key relationships. Throughout the semester, the class will work on a variety of projects including how to write melodies, harmonization exercises, and creating different musical textures. Students will also listen to music from different styles and time periods.

**Fine / Performing Arts**

**Course Title: MUSIC COMPOSITION II**

**Grade:** 9-12  
**Credit:** .50  
**Description:** Prerequisite: Music Composition I This course is a continuation of Music Composition I. Students will compose more advanced compositions and hone their notation skills. Basic skills will be reviewed, while more advanced projects will be given (such as string quartet, art songs, unaccompanied solos, and arranging projects). Students will also build on the listening skills they previously learned.

**Fine / Performing Arts**

**Course Title: MUSIC COMPOSITION III**

**Grade:** 10-12  
**Credit:** .50  
**Description:** Prerequisite: Music Composition I-II  
This course builds on skills learned in Music Composition II. Students will build their composition portfolio with pieces for larger ensembles and more advanced techniques. This course can be repeated for credit.

**Fine / Performing Arts**

**Course Title: ADVANCED PLACEMENT (AP) MUSIC THEORY**

**Grade:** 10-12  
**Credit:** 1.0  
**Description:** Minimum class size of 6  
The goal of this course is to develop a student’s ability to recognize, understand, and describe basic materials and processes of music that are both heard and read in a score. Students will learn the fundamentals of music, such as intervals, scales, keys, chords, metric organization, and the terminology to go with it. Students will also go deeper by analyzing chords and form. Emphasis is also placed on aural skills such as melodic dictation, sight singing and contextual listening. (Students must be able to read music to take this class.)
Fine / Performing Arts
Course Title: HISTORY OF POPULAR MUSIC
Grade: 9-12
Credit: .50
Description: This semester-long course will provide an overview of the development of popular music in America, and the impact these musical styles have had on Western society. Students will learn about a variety of musical styles such as rock and roll, rhythm and blues, country, and modern rock. Current music and current music events will also be incorporated into daily discussions. This course uses a variety of assessments including creative projects, written tests, listening journals, and class discussions. No prior musical knowledge is required for this class.

Fine / Performing Arts
Course Title: INTERNATIONAL BACCALAUREATE (IB) MUSIC (SL)
Grade: 11-12
Credit: 1.0
Description: Minimum class size of 12
*Pre-Requisite is one of the following: Choir, Orchestra, Music Composition or Music Technology, applied instrumental or voice lessons
IB Music is a two-year course. There are two major components to this class. Students will listen and analyze music from all across the world and throughout history, making connections across genres, cultures, and time. An in-depth listening investigative paper that compares two pieces from different cultures will be completed at the end of Year Two. Prior experience reading music recommended. Students will also choose one of four options to assess real-life music creativity: electronic music composition, acoustic music composition, solo performance, or group performance.

Fine / Performing Arts
Course Title: MUSIC TECHNOLOGY I
Grade: 9-12
Credit: .50
Description: Learn to create your own mixes, mash-ups, music videos, film scores and original compositions even if you have never had any musical experience. Students will learn notation, sequencing, editing and basic keyboard skills using computers, digital recorders and electronic instruments. Class projects include a class album and a podcast. Students receive .50 credit in fine arts OR technology.

Fine / Performing Arts
Course Title: MUSIC TECHNOLOGY II
Grade: 9-12
Credit: .50
Description: Prerequisite: Music Technology I
Music Tech II is a continuation of Music Tech with an emphasis on recording and mixing. Students will use various platforms to create, edit, and mix original music. Time outside of class will be required to record student groups. Projects include using ProTools Software to record, mix, and edit, live performances, advanced electronic mixes, and creating original electronic music.

Fine / Performing Arts
Course Title: SPEECH & DRAMA S1
Grade: 9-12
Credit: .50
Description: This one semester class will give students techniques to deal with stage fright and public speaking and acting fundamentals. Students will write and deliver a variety of speeches. They will study theater history and poems, monologues and scenes from plays for oral interpretation and acting. The class will be structured so that students will be given ample and varied experiences in speaking and acting in a non-threatening atmosphere.
Fine / Performing Arts
Course Title: SPEECH & DRAMA S2
Grade: 9-12
Credit: .50
Description: Prerequisite: Speech/Drama I (S1)
This class will offer course work in speaking, acting, theatre history, media analysis, and use of technology for speeches. It will continue the course work offered in Speech & Drama Semester 1. Students who complete both semesters of Speech & Drama I will be able to go into Advanced Drama or IB Theatre (with teacher signature).

Fine / Performing Arts
Course Title: SPEECH & DRAMA I
Grade: 9-12
Credit: 1.0
Description: This course is designed to give students a broad base in communication skills and theater arts. Course work includes communication theory, public speaking, media analysis, choral reading, oral interpretation, story-telling, improvisational and prepared acting experiences, and theatre history. Students will get maximum possible experience in both extemporaneous and prepared speaking and acting situations in a non-threatening atmosphere.

Fine / Performing Arts
Course Title: ADVANCED SPEECH & DRAMA I
Grade: 9-12
Credit: 1.0
Description: *Prerequisite: Speech & Drama I
Students will continue a more advanced study of acting techniques with the emphasis on the production of full length plays. The students will all assume roles in at least one full-length production. Students will also participate in writing scripts for performance. Students will also participate either in full-length or shorter length plays performed for a variety of grade schools. Students will be given opportunities to direct other students in scene work. Students will be encouraged to work independently to learn to create, plan, and produce their ideas in different media. Students will prepare projects to study acting techniques and theater history in greater depth.

Fine / Performing Arts
Course Title: COMPETITIVE SPEECH & DRAMA I
Grade: 9-12
Credit: 1.0
Description: Minimum class size of 12
Prerequisite: Either Speech & Drama I or at least one season of Speech Team Competition (must be approved by Mrs. Sanders).
This is a semester long course. The course may be taken in conjunction with competition on Speech Team, but only one tournament each semester will be mandatory. This course will offer students opportunities to grow proficient in a variety of presentation styles. The course will cover: Dramatic, Humorous, Oratorical, and Duo Interp, Prose-Poetry, Impromptu, Extemp, Congress, and Debate. Students will work with their teacher to "specialize" in different areas of competition while gaining experience in all. Students will also participate in a variety of other competitive speech contests-- such as The Voice of Democracy Speech Contest, The Shakespeare Competition, The Flower Hospital Speech Contest, and the American Legion Speech Contest. It is a great opportunity for students to hone presentation skills that will serve them throughout life.

Fine / Performing Arts
Course Title: MUSICAL THEATRE DANCE
**Fine / Performing Arts**

**Course Title:** INTERNATIONAL BACCALAUREATE (IB) THEATRE (SL) YEAR ONE  
**Grade:** 11-12  
**Credit:** 1.0  
**Description:** *Prerequisite: Speech & Drama I, 88% or above; Recommended: Competitive Speaking & Acting*

Students will play multiple roles—actor, director, playwright, puppeteer, dramaturge, designer and more—as we study and perform theatre practices from around the world and throughout time. This is a class that creates theatre, studies theatre, and allows students to reflect what it is to be a dramatic artist as well as an informed, critical observer of theatre. Students will perform the work of famous playwrights and create and perform their own plays. An important part of the class, will be actually attending plays and musicals both with the class and independently.

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**Fine / Performing Arts**

**Course Title:** ART I  
**Grade:** 9-12  
**Credit:** .50  
**Description:** This course is an introduction to the principles, elements and history of art. The fundamentals of drawing, painting, printmaking and ceramics are explored.

**Fine / Performing Arts**

**Course Title:** ART II  
**Grade:** 10-12  
**Credit:** .50  
**Description:** *Prerequisite: Art I*  

This course encourages experimentation with new approaches, various media and techniques in drawing, painting, sculpture, and ceramics.

**Fine / Performing Arts**

**Course Title:** ART III (HONORS)  
**Grade:** 10-12  
**Credit:** .50  
**Description:** *Prerequisites: Art I, II and permission of the Instructor*  

This advanced course demands greater depth and creativity. Personal interpretation, freedom of expression and increased conceptual content are encouraged. Advanced 2 dimensional, 3 dimensional, mixed media and art history are included.

**Fine / Performing Arts**

**Course Title:** ADVANCED PLACEMENT (AP) ART HISTORY  
**Grade:** 10-12  
**Credit:** 1.0
DESCRIPTION: Prerequisites: Signature of History and English Teacher minimum of 6 students
The AP Art History course is equivalent to a two-semester introductory college course that explores topics such as the nature of art, art making, and responses to art. By investigating a specific image set of 250 works of art characterized by diverse artistic traditions from prehistory to the present, the course fosters in-depth, holistic understanding of the history of art from a global perspective. Students become active participants in the global art world, engaging with its forms and content, as they experience, research, discuss, read, and write about art, artists, art making, and responses to and interpretations of art. Students are required to take the AP test for college credit.

FINE / PERFORMING ARTS

COURSE TITLE: INTERNATIONAL BACCALAUREATE (IB) VISUAL ARTS (SL/HL) YEAR ONE
GRADE: 11-12
CREDIT: .50
DESCRIPTION: *Prerequisite: Art I and Art II, 88% or above
Visual Arts SL & HL are designed to provide students of various art interests and abilities with opportunities to develop their aesthetic, imaginative, and creative faculties in a global context. Rather than focusing on the production of art alone, the program also emphasizes critical thinking, intercultural understanding, and exposure to a variety of points of view. Through Visual Arts SL and HL students center their artistic development around an Investigation Workbook which serves as a personal record of the evolution of their aesthetic, imaginative, and creative journey. Students develop skills of organization, critical thinking, time management, collaboration, reflection and life-long learning/ownership of learning. The course encourages individual experimentation and persistent endeavor.

FINE / PERFORMING ARTS

COURSE TITLE: 3-D ART
GRADE: 9-12
CREDIT: .50
DESCRIPTION: This is a hands-on class where students will learn the basic principles of making sculpture and ceramics. All grade levels are invited and there is no prerequisite. This course may be combined with another fine/performing arts semester to fulfill the fine/performing arts credit.

FINE / PERFORMING ARTS

COURSE TITLE: DIGITAL PHOTOGRAPHY
GRADE: 10-12
CREDIT: .50
DESCRIPTION: *Pre-requisite: Art I
This course will explore digital photography. Topics covered are history, composition, lighting, camera function, and special techniques including manipulation with software. Students will need to provide their own digital camera for this course.

FINE / PERFORMING ARTS

COURSE TITLE: GRAPHIC DESIGN I
GRADE: 10-12
CREDIT: .50
DESCRIPTION: Prerequisites: Art I and Computer Applications I or II (as a pre or co-requisite); minimum of 6 students
This course offers the basic concepts of design and photo-editing with hands-on and digital projects. Students will use Adobe Photoshop and the Wacom tablet to enhance existing graphics and create their own digital artworks. Students will explore the evolution of design movements and designers who have impacted the field of graphic design.

FINE / PERFORMING ARTS

COURSE TITLE: GRAPHIC DESIGN II
This course offers the advanced concepts of design and photo-editing with hands-on and digital projects. Students will use Adobe Photoshop and the Wacom tablet to enhance existing graphics and create their own digital artworks. Students will explore the evolution of design movements and designers who have impacted the field of graphic design.

Physical Education

**Course Title: TEAM ACTIVITIES**

*Grade: 9-12*

*Credit: .25*

*Description:* This course, recommended for grade 9, is designed to give the students the opportunity to learn individual skills, sport-specific fitness, and team strategy while participating in aerobics, volleyball, basketball, soccer, softball, field hockey and gymnastics.

**Course Title: INDIVIDUAL ACTIVITIES**

*Grade: 9-12*

*Credit: .25*

*Description:* This is a grade 10 recommended course. It is designed to teach basic techniques and fitness in a variety of individual activities including tennis, golf, archery, fencing, and gymnastics.

**Course Title: HEALTH**

*Grade: 9-12*

*Credit: .50*

*Description:* This course is designed as an overview of basic health related topics with emphasis on how these relate to women. Topics include: stress, nutrition, substance abuse, systems of the body, mental health, behavior and emotions, physical fitness, infections and diseases.

Technology

**Course Title: COMPUTER APPS I**

*Grade: 9-12*

*Credit: .50*

*Description:* This introductory course is designed to give the student a comprehensive knowledge of MS Office. Students will learn document formatting for various business documents. Word and Excel are explored thoroughly. Publisher and PowerPoint are also covered. Internet safety and current technological advancements are discussed and researched.
**Technology**

**Course Title:** MUSIC TECHNOLOGY I  
**Grade:** 9-12  
**Credit:** .50  
**Description:** Learn to create your own mixes, mash-ups, music videos, film scores and original compositions even if you have never had any musical experience. Students will learn notation, sequencing, editing and basic keyboard skills using computers, digital recorders and electronic instruments. Class projects include a class album and a podcast. Students receive .50 credit in fine arts OR technology.

**Technology**

**Course Title:** MUSIC TECHNOLOGY II  
**Grade:** 9-12  
**Credit:** .50  
**Description:** Prerequisite: Music Technology I  
Music Tech II is a continuation of Music Tech with an emphasis on recording and mixing. Students will use various platforms to create, edit, and mix original music. Time outside of class will be required to record student groups. Projects include using ProTools Software to record, mix, and edit, live performances, advanced electronic mixes, and creating original electronic music.

**Technology**

**Course Title:** WEBDESIGN & CODING  
**Grade:** 10-12  
**Credit:** .50  
**Description:** This course is an entry level programming course designed to teach students basic programming code and theories with an emphasis on developing logical thinking and problem solving skills. The focus will be on web related languages, but principles can be applied toward any coding language. Relevant languages covered are HTML, CSS, and Javascript. The course will also explore the basics of web design thinking and application.

**Sciences/Technology**

**Course Title:** ROBOTICS & INNOVATION  
**Grade Level:** 11-12  
**Credit:** 1.0  
**Description:** Minimum class size of 12  
This project-based course will provide students with an introduction to robotics, product engineering, and innovation. In the first semester, student teams will build working robots and program them to perform simple tasks. Teams will compare their robot performance against one another. In the second semester, students will be introduced to the concept of innovation and will work in teams to research and invent innovative new products. Each team will construct prototypes using a “maker space” laboratory and test their prototypes. To learn how new product ideas are protected, they will use the U.S. Patent Office web site to assess the innovativeness of their products and will create patent applications for them.

**Fine / Performing Arts / Technology**

**Course Title:** DIGITAL PHOTOGRAPHY  
**Grade:** 10-12  
**Credit:** .50  
**Description:** Pre-requisite Art I  
This course will explore digital photography. Topics covered are history, composition, lighting, camera function, and special techniques including manipulation with software. Students will need to provide their own digital camera for this course.
Electives/Technology
Course Title: ATHLETICS VIDEOGRAPHER
Grade: 10-12
Credit: 1.0
Description: Students will record athletic events and contests under the supervision of the athletic director and athletic coaches. Students will also work with the coaches to edit the recorded video for multiple purposes. Before and after school hours will be required. Full year opportunity.

Electives/Technology
Course Title: JOURNALISM II, III (BROADCAST)
Grade: 11-12
Credit: 1.0
Description: *Prerequisites: Journalism I plus Teacher Recommendation
Journalism II and III involves the video broadcasting of the daily announcements and any special news programming for the school. In Broadcast, students research, write, videotape, edit, and broadcast the news on WNDA. Class size is limited.

Fine/Performing Arts/Technology
Course Title: GRAPHIC DESIGN I
Grade: 10-12
Credit: .50
Description: *Prerequisites: Art I and Computer Applications I or II (as a pre or co-requisite); minimum of 6 students
This course offers the basic concepts of design and photo-editing with hands-on and digital projects. Students will use Adobe Photoshop and the Wacom tablet to enhance existing graphics and create their own digital artworks. Students will explore the evolution of design movements and designers who have impacted the field of graphic design.

Fine/Performing Arts/Technology
Course Title: GRAPHIC DESIGN II
Grade: 10-12
Credit: .50
Description: *Prerequisites: Art I and Computer Applications I or II (as a pre or co-requisite); minimum of 6 students
This course offers the advanced concepts of design and photo-editing with hands-on and digital projects. Students will use Adobe Photoshop and the Wacom tablet to enhance existing graphics and create their own digital artworks. Students will explore the evolution of design movements and designers who have impacted the field of graphic design.

Business & Finance

Business
Course Title: ACCOUNTING I
Grade: 10-12
Credit: .50
Description: This semester course is open to all Sophomores, Juniors, and Seniors. Students must be sufficiently competent in basic math skills. Emphasis is placed on basic principles of accounting as applied to a sole proprietorship, a partnership, and a corporation. Through the use of automated accounting and presentation programs, students use technology for analysis, problem solving and other business situations. A unit on taxes and checking accounts is included if time allows.
BUSINESS
COURSE TITLE: ACCOUNTING II
GRADE: 10-12
CREDIT: .50
DESCRIPTION: Prerequisite: Accounting I with at least a B average.
This secondary course provides the students with a solid foundation in accounting principles and procedures, which are essential for those who wish to pursue accounting as a career. Emphasis is placed on payroll, corporate accounting, business simulations, and computer applications.

BUSINESS
COURSE TITLE: BUSINESS ESSENTIALS
GRADE: 10-12
CREDIT: .50
DESCRIPTION: This semester course will introduce students to contemporary business essentials by covering principles of business marketing and management, characteristics/nature of businesses, entrepreneurship and career opportunities in Business. Students will explore ethics from a managerial approach and learn how ethics and business go together. Students will also research socially responsible businesses and see what characteristics should be present.

BUSINESS
COURSE TITLE: INTERNATIONAL BACCALAUREATE (IB) BUSINESS MANAGEMENT (SL) YEAR ONE
GRADE: 11-12
CREDIT: 1.0
DESCRIPTION: The business management course is designed to develop students' knowledge and understanding of business management theories, as well as their ability to apply a range of tools and techniques. Students learn to analyze, discuss and evaluate business activities at local, national and international levels. The course covers a range of organizations from all sectors, as well as the socio-cultural and economic contexts in which those organizations operate.

BUSINESS
COURSE TITLE: INTRO INTO LAW
GRADE: 11-12
CREDIT: .50
DESCRIPTION: Prerequisite: Accounting I with at least a B average.
This secondary course provides the students with a solid foundation in accounting principles and procedures, which are essential for those who wish to pursue accounting as a career. Emphasis is placed on payroll, corporate accounting, business simulations, and computer applications.

FINANCIAL LITERACY:
COURSE TITLE: FINANCIAL LITERACY
GRADE: 9-12
CREDIT: .25
DESCRIPTION: This 30-hour online course about financial responsibility and money management will be completed independently by students. Material covered will include: employment decisions, understanding earning statements and employment documents, banking decisions (e.g. savings, checking, debit accounts and loans), investment options and the cost and benefits of these options, and risk management (strategies to protect your personal assets). This is a Pass/Fail course.

FINANCIAL LITERACY:
COURSE TITLE: PERSONAL FINANCE
GRADE: 11-12
Credit: .50
Description: This course, offered to Juniors and Seniors, will include an overview of preparing a personal budget, managing a checking account, calculating interest, credit/debit card use, finance charges, insurance, taxes, savings accounts, renting vs. owning, mortgages and loans, investing money and careers in money management.

Electives

Course Title: CREATIVITY WRITING
Grade: 10-12
Credit: .50
Description: This course promotes the development of individual voices through the various forms of creative writing, i.e., poetry, short story, essay. It is structured to allow student dominated discussion and critiquing of individual works. Students will not only learn to express themselves better in writing, but also strengthen their analysis, discussion, and critiquing skills. Students also produce the literary magazine.

Electives
Course Title: CULTURE & LITERATURE
Grade: 10-12
Credit: .50
Description: What is literature really? How does culture impact writing, and vice versa? This course has been designed to explore the interrelationship between cultural tradition, traditional literature, and modern media. An interdisciplinary approach is taken, and students can expect to explore and analyze poetry, plays, novels, articles, songs, philosophy, history, television, and film in order to analyze how culture and literary expression intersect.

Electives
Course Title: EXPLORING SHAKESPEARE THROUGH FILM & TEXT
Grade: 11-12
Credit: .50
Description: In this course, students conduct a close, textual analysis of major plays in the genres of tragedy and comedy, supported through the incorporation of various film adaptations. Sonnets will also be examined. Student will explore Shakespeare’s treatment of genre, character, dramatic form, and his engagement with issues of politics, poetics, psychology, theology, gender and humanity. Classes will also include analysis of plays’ scripts and exploration of performance elements through student projects.

Electives
Course Title: JOURNALISM I
Grade: 10-12
Credit: 1.0
Description: Journalism I aims to instill and to develop basic understanding of journalism in print, photography, and broadcast. Students learn the vocabulary and the tools of the field to develop skills in journalistic forms of writing and design for print and broadcast. Also, students will receive computer training with a concentration on the InDesign and PageMaker software. Careers in Journalism and related fields will be explored.

Electives
Course Title: JOURNALISM II, III (BROADCAST)
Grade: 10-12
**Credit: 1.0**

**Description:** *Prerequisites: Journalism I plus Teacher Recommendation*

Journalism II and III involves the video broadcasting of the daily announcements and any special news programming for the school. In Broadcast, students research, write, videotape, edit, and broadcast the news on WNDA. Class size is limited.

**Electives**

**Course Title:** JOURNALISM II, III (NEWSPAPER)

**Grade:** 10-12

**Credit: 1.0**

**Description:** *Prerequisites: Journalism I plus Teacher Recommendation*

Journalism II & III involves the design, research writing, editing and publishing of the school newspaper *The Vista.*

**Electives**

**Course Title:** JOURNALISM II, III (YEARBOOK)

**Grade:** 10-12

**Credit: 1.0**

**Description:** *Prerequisites: Journalism I plus Teacher Recommendation*

Journalism II & III involves the design, research writing, editing and publishing of the school yearbook *The Regina.*

**Electives**

**Course Title:** ATHLETICS VIDEOGRAPHER

**Grade:** 10-12

**Credit: 1.0**

**Description:**

Students will record athletic events and contests under the supervision of the athletic director and athletic coaches. Students will also work with the coaches to edit the recorded video for multiple purposes. Before and after school hours will be required. Full year opportunity.

**Electives**

**Course Title:** FITNESS & NUTRITION

**Grade:** 9-12

**Credit: .50**

**Description:**

This course is an activity-based class that will emphasize many aspects of fitness—cardiovascular, strength, balance and coordination, and flexibility. Activities will include yoga, tai chi, balls and bands, and weight training. The students will develop a personal fitness plan. In addition, nutrition concepts will be incorporated into the course.

**Electives**

**Course Title:** LIFETIME ACTIVITIES

**Grade:** 11-12

**Credit: .50**

**Description:**

This semester course has an emphasis on fitness training and conditioning to promote a healthy lifestyle. It also expands on activities taken during the Individual and Team Activity courses. Transportation is needed for off-site activities such as golf, tennis, yoga, spinning, skating, bowling, self-defense and disc golf. Course includes CPR training with certification. An additional course fee is required.

**Electives**

**Course Title:** MOVEMENT SCIENCE
**Grade: 11-12**  
**Credit: .50**  
**Description:** This course provides students with the scientific principles and concepts of kinesiology, exercise science, and nutrition. Lab experiences will extend these concepts into practical applications. This course is designed to give the students a solid understanding of sport science and as a basis for many college majors/related careers. This is NOT an activity based class.

**Electives**  
**Course Title: BIOETHICS (HONORS)**  
**Grade: 11-12**  
**Credit: .50**  
**Description:** Minimum class size of 12  
*Prerequisite: Students must complete Morality before taking this course*  
Bioethics is a study of the ethical and moral implications of and biomedical applications surrounding life issues from conception to death. This course examines technological and scientific advances and their implications through the philosophical and theological lens of Church teaching. Topics include stem cells, cloning, in vitro fertilization (IVF), surrogacy, euthanasia, organ donation/brain death, hydration/nutrition at the end of life, etc. Students will be expected to read advanced articles and Church documents and to engage in thoughtful debate. A final paper will be required.

**Electives**  
**Course Title: DISCERNMENT (HONORS)**  
**Grade: 11-12**  
**Credit: .50**  
**Description:** Minimum class size of 12  
This course is about the process of making sound decisions with confidence and clarity. How does one choose between trustworthy, attractive alternatives? What factors are most important? What does one do when one’s heart conflicts with one’s head? The course will include reading and discussing, *What’s Your Decision?* based on the insights of Ignatius of Loyola and the *Spiritual Exercises*. Through reflection and prayer, the student will come to understand that a God decision always precedes a good decision. The student needs to be comfortable with the conviction that God is active in their life and cares about their decisions.

**Electives**  
**Course Title: SACRED SCRIPTURE (HONORS)**  
**Grade: 11-12**  
**Credit: .50**  
**Description:** Minimum class size of 12  
The Bible is a living source of God’s Revelation to us. This course provides a survey of context, message and authorship as well as a plan to read and study the Bible with the Living Tradition of the Church. This is a course for students who want to focus more fully on the study of Sacred Scripture as God’s love letter to His people and its application to their lives.

**Electives**  
**Course Title: WORLD RELIGIONS (HONORS)**  
**Grade: 11-12**  
**Credit: .50**  
**Description:** This course will explore the major religious traditions of the world. Basic elements of each religion, such as doctrines, sacred writings, sacred stories, and symbol and ritual will be described and explained, giving students a rich overview of the faiths of the world. Also included will be an apologetics approach and theological perspective of the Catholic Church on ecumenism and its relationship with other religions.
**Electives**

**Course Title:** POINTS ACT PREP  
**Grade:** 10-11  
**Credit:** .50  
**Description:** This class is recommended for students preparing for the ACT. The three primary goals of this course are (1) To prepare students for the ACT, (2) To develop test-taking strategies to apply to future tests, and (3) To enhance logic ability, critical thinking, and writing skills necessary for success in college. We will review all grammar for the English section, all math concepts for the Math section, and test-taking strategies for all four sections. The strategies learned provide students the opportunity to increase ACT confidence & comfort and decrease anxiety. The course is structured around concept lectures, paper & pencil group and individual exercises, full length practice testing and review.

**Electives**

**Course Title:** MUSIC ASSISTANT  
**Grade:** 11-12  
**Credit:** .25/.50  
**Description:** Students can receive credit for a semester or year serving as an accompanist for the Chorus. Available as a semester or full year opportunity.

**Electives**

**Course Title:** OFFICE ASSISTANT  
**Grade:** 11-12  
**Credit:** .25/.50  
**Description:** Prerequisite: Computer Applications I or II  
Students will assist in the Main Office, Admissions Office, Advancement Office and/or Resource Center with non-confidential clerical tasks. Available as a semester or full year opportunity.

**Electives**

**Course Title:** PERFORMING ARTS ASSISTANT  
**Grade:** 11-12  
**Credit:** .25/.50  
**Description:** This assistantship provides students the opportunity to assist during a Speech/Drama class, organizing costumes and props, collating and copying written materials and assisting the instructor in other ways. Available as a semester or full year opportunity.

**Electives**

**Course Title:** TECHNOLOGY ASSISTANT  
**Grade:** 11-12  
**Credit:** .25  
**Description:** Prerequisite: Computer Applications I  
Students will assist with a Computer Applications class, aiding the instructor in providing technical support to students and other tasks as assigned Available as a semester opportunity.

**Electives**

**Course Title:** PHYSICAL EDUCATION ASSISTANT  
**Grade:** 11-12  
**Credit:** .25  
**Description:** During the third or fourth year, a student may act as an assistant to the instructor in P. E. I and/or P. E. II classes. The student attends class and participates as a leader in all activities. Available as a semester or full year opportunity.
Modern & Classical Languages

Course Title: CHINESE I (COLLEGE PREP)
Grade: 9-12
Credit: 1.0
Description: Students will learn Chinese Phonetics System (Pinyin) and the structure of the Chinese characters, as well as focus on listening, speaking and communications in Chinese. The students are expected to be able to write 50 Chinese characters, read 200 new words, as well as 100 basic sentences patterns to communicate at the end of the year. Chinese cultural knowledge will be addressed by means of activities in the class.

Modern & Classical Languages
Course Title: CHINESE I (HONORS)
Grade: 9-12
Credit: 1.0
Description: In addition to the Chinese I standard class requirements, the honors class will be taught to write an additional 20 Chinese characters and be able to read an additional 40 new words. The situational dialogue practice will be discussed in the class.

Modern & Classical Languages
Course Title: CHINESE II (COLLEGE PREP)
Grade: 9-12
Credit: 1.0
Description: Students will work on the accuracy of Pinyin and tones, and continue with the structures of the Chinese characters; the focus will be on listening, speaking, writing and communications in Chinese. The students are expected to be able to write 100 Chinese characters, be able to read 230 new words with slight helps of Pinyin and be able to use 140 sentence patterns to be communicated at the end of the year. The students will develop intercultural understanding in the class.

Modern & Classical Languages
Course Title: CHINESE II (HONORS)
Grade: 9-12
Credit: 1.0
Description: In addition to the Chinese II standard class requirements, the honors class will be taught to write an additional 20 Chinese characters and be able to read an additional 50 new words without Pinyin. The students will be expected to make sentences and conduct situational dialogues.

Modern & Classical Languages
Course Title: CHINESE III (COLLEGE PREP)
Grade: 10-12
Credit: 1.0
Description: Students will continue their development of fluency through listening, speaking, listening, writing, and communication in the Chinese language. Students will learn 300 new words and 135 sentence patterns. They will communicate clearly and effectively on a range of topics and situations. They will work on reading, writing and short paragraphs/articles as well.

Modern & Classical Languages
Course Title: INTERNATIONAL BACCALAUREATE (IB) CHINESE III (SL) YEAR ONE
GRADE: 11
CREDIT: 1.0
DESCRIPTION: Minimum class size of 12
Prerequisite: 95% Reg./88% Honors Chinese II, III, IV
This class is open to the students who take at least two years of Chinese or more. IB Chinese SL is a two-year course focusing on language acquisition and proficiency by means of developing the skills of listening, speaking, reading, writing and communications. The IB Chinese SL course revolves around topics which enrich students’ understanding and simultaneously improve their use of Chinese. By exposing and studying Chinese in texts with social topics, the students will extend their intercultural awareness and communication in a different cultural environment.

MODERN & CLASSICAL LANGUAGES
COURSE TITLE: FRENCH I (COLLEGE PREP)
GRADE: 9-12
CREDIT: 1.0
DESCRIPTION: This is a beginning course in French during which the student is introduced to many aspects of French teenagers’ lives. As the student becomes acquainted with a new culture, she gradually learns to use the most important part of that culture -- its language. There is a careful, progressive development of all the communication skills: listening and reading, comprehension, speaking fluency and writing accuracy.

MODERN & CLASSICAL LANGUAGES
COURSE TITLE: FRENCH I (HONORS)
GRADE: 9-12
CREDIT: 1.0
DESCRIPTION: This is a beginning course in French during which the student is introduced to many aspects of French teenagers’ lives. As the student becomes acquainted with a new culture, she gradually learns to use the most important part of that culture -- its language. There is a careful, progressive development of all the communication skills: listening and reading, comprehension, speaking fluency and writing accuracy.

MODERN & CLASSICAL LANGUAGES
COURSE TITLE: FRENCH II (COLLEGE PREP)
GRADE: 9-12
CREDIT: 1.0
DESCRIPTION: This second course in French offers the opportunity to further develop the communication skills begun in French I. The purpose of this course is to complete the study of the main grammatical concepts of the French language in the context of understanding the French people and their daily lives and interests.

MODERN & CLASSICAL LANGUAGES
COURSE TITLE: FRENCH II (HONORS)
GRADE: 9-12
CREDIT: 1.0
DESCRIPTION: This course is the same as French II but on an accelerated scale. Less time is spent on the drilling of the grammatical aspects and more time on speaking the language. The class is conducted mainly in French. Admission to this course requires the teacher’s approval.

MODERN & CLASSICAL LANGUAGES
COURSE TITLE: FRENCH III (COLLEGE PREP)
GRADE: 9-12
CREDIT: 1.0
This course is a continuation of French II with more emphasis on creative oral and written expression. Readings, periodical articles and short stories serve as a basis for vocabulary development, cultural awareness and class discussion. French III students continue their study of the major points of French grammar as needed for development of communication skills. Much of the class is conducted in French. Admission to this course requires the teacher’s approval.

**Modern & Classical Languages**

**Course Title:** INTERNATIONAL BACCALAUREATE (IB) FRENCH (SL) YEAR ONE  
**Grade:** 11  
**Credit:** 1.0  
**Description:** Prerequisite: 95% Reg./88% Honors French II, III, IV  
The French IB SL course is a two year course with summer enrichment requirements. Through this course, students will see themselves as part of a larger global community and use their languages skills to make a positive impact on humanity. Admission to this course requires the approval of the teacher.

**Modern & Classical Languages**

**Course Title:** LATIN I (COLLEGE PREP)  
**Grade:** 9-12  
**Credit:** 1.0  
**Description:** This course provides a thorough study of fundamental Latin grammar and vocabulary. An important goal is the ability to write a coherent translation from Latin into English. Classical mythology and the study of aspects of Roman life such as the Roman family, schools, religion, and entertainment acquaint the student with the civilization that formed the basis for our own.

**Modern & Classical Languages**

**Course Title:** LATIN I (HONORS)  
**Grade:** 9-12  
**Credit:** 1.0  
**Description:** This course presents the same grammatical, historical and cultural material as Latin I, but students will be required to demonstrate a deeper understanding of underlying concepts, primarily through the completion of additional assignments. Admission to the course requires the teacher’s approval.

**Modern & Classical Languages**

**Course Title:** LATIN II (COLLEGE PREP)  
**Grade:** 9-12  
**Credit:** 1.0  
**Description:** Latin II continues and extends the study of the Latin language begun in Latin I. Emphasis is placed on acquiring vocabulary and developing translation skills. Roman history and geography are presented along with continuing study of Greek and Roman myths.

**Modern & Classical Languages**

**Course Title:** LATIN II (HONORS)  
**Grade:** 9-12  
**Credit:** 1.0  
**Description:** This course presents the same grammatical, historical and cultural material as Latin II, but students will be required to demonstrate a deeper understanding of underlying concepts, primarily through the completion of additional assignments. Admission to this course requires the teacher’s approval.
**Modern & Classical Languages**

**Course Title:** LATIN III (COLLEGE PREP)  
**Grade:** 10-12  
**Credit:** 1.0  
**Description:** This course presents the same grammatical, historical and cultural material as Latin II, but students will be required to demonstrate a deeper understanding of underlying concepts, primarily through the completion of additional assignments. Admission to this course requires the teacher’s approval.

**Modern & Classical Languages**

**Course Title:** INTERNATIONAL BACCALAUREATE (IB) LATIN (SL) YEAR ONE  
**Grade:** 11  
**Credit:** 1.0  
**Description:** Minimum class size of 12  
Prerequisite: 95% Reg./88% Honors Latin II, III, IV  
This course, conducted during a student’s grade years, seeks to have students apply the knowledge acquired in the previous two years to readings selected from a variety of authors from the classical period. Additional work in selected genres and an in-depth study of two specific authors is added as well. Admission to this course requires the approval of the teacher.

**Modern & Classical Languages**

**Course Title:** SPANISH I (COLLEGE PREP)  
**Grade:** 9-12  
**Credit:** 1.0  
**Description:** This is a beginning course in Spanish in which students are introduced to Spanish life as it is lived by millions of teenagers in both hemispheres. As the student progresses through the year, she learns to use the language through the progressive development of the four basic language skills: listening, reading, speaking and writing. There is some stress on integrating an understanding of the Hispanic culture with the study of the language.

**Modern & Classical Languages**

**Course Title:** SPANISH I (HONORS)  
**Grade:** 9-12  
**Credit:** 1.0  
**Description:** This course is the same as Spanish I but on an accelerated scale designed for students who have either had significant previous exposure to Spanish or have scored high on the Math and English language sections of the High School Placement Test. There will be additional emphasis on conversation, reading, and composition skills.

**Modern & Classical Languages**

**Course Title:** SPANISH II (COLLEGE PREP)  
**Grade:** 9-12  
**Credit:** 1.0  
**Description:** This second course in Spanish is a continuation of Spanish I and its goals, with additional emphasis on the use of the oral language and continued learning of verb forms, grammar points, vocabulary, and the history and culture of the Spanish-speaking countries.

**Modern & Classical Languages**

**Course Title:** SPANISH II (HONORS)  
**Grade:** 9-12  
**Credit:** 1.0
**Modern & Classical Languages**  
**Course Title: SPANISH III (COLLEGE PREP)**  
**Grade: 9-12**  
**Credit: 1.0**  
**Description:** Minimum class size of 12  
*Prerequisite: B average in Spanish II*  
This course reviews some major grammatical concepts from level 2 and continues with advanced grammar structures. The course is also a cultural/historical survey of the Spanish speaking world. Target language reading articles exploring culture, history, and literature are included to bridge the gap between lower and more advanced levels of Spanish. Admission to this course requires the approval of the teacher.

**Modern & Classical Languages**  
**Course Title: SPANISH III (HONORS)**  
**Grade: 9-12**  
**Credit: 1.0**  
**Description:** Minimum class size of 12  
*Prerequisite: high B average in Honors Spanish II or a high A average in Spanish II*  
This course is the same as Spanish III but on an accelerated scale. In addition to grammar study, time is spent on the use of the language in oral and written communication. Readings taken from Spanish literature serve as a basis for vocabulary development, cultural awareness and class discussion. The class is conducted in Spanish. Admission to this course requires approval of the teacher.

**Modern & Classical Languages**  
**Course Title: SPANISH IV (HONORS)**  
**Grade: 9-12**  
**Credit: 1.0**  
**Description:** Minimum class size of 12  
*Prerequisite: B average in Spanish III*  
This course provides practice in using Spanish in reading, writing and speaking. Hispanic literature will be studied and discussed. The class is conducted in Spanish. Admission to this course requires the approval of the teacher.

**Modern & Classical Languages**  
**Course Title: INTERNATIONAL BACCALAUREATE (IB) SPANISH (SL) YEAR ONE**  
**Grade: 11**  
**Credit: 1.0**  
**Description:** Minimum class size of 12  
*Prerequisite: 95% Reg./88% Honors Spanish II, III, IV*
The Spanish B SL course is a two-year course, taken during 11th and 12th grades, with summer enrichment assignments prior to the beginning of the course. Admission to this course requires the approval of the teacher, and, depending on the number of prior years of study, may require additional independent work on the part of the student. Throughout the two years, students will refine their ability to communicate and understand Spanish in written and spoken forms. During the first year, students are introduced to the 3 core topics required by IB: Communication and media; Social relationships; Global issues, as well as 2 options: Customs and traditions and Science and technology. These topics are integrated into the curriculum during both years through the use of authentic materials, textual readings and classroom discussions. Students receive extensive practice in writing and speaking Spanish for a variety of purposes, with the ultimate goal of using the language accurately, fluently and in a manner appropriate to cultural and social context. In order to earn IB credit, students must complete internal and external written and oral assessments during the second year of the course.

College Credit Plus (CCP)
Course Title: MEDICAL TERMINOLOGY
Grade: 7-12
Credit: 3 College Credits/1 Carnegie Unit
Description: Minimum class size 20. Students who participate in CCP on-NDA campus Early College Options, must attend a Mandatory Student and Parent Meeting in March and complete the Intent to Participate form before April 1st. Students must also attend all application and registration sessions. Students must also be approved by ODE in order to take this course free of charge. This course delves into critical vocabulary used widely in the medical field. Students working or volunteering in medical settings and students who plan to have a career in the medical field are encouraged to take this course. This course is may be taught as a partial hybrid blended class by an Owens Community College Professor. Students who are enrolled in this class must reserve Blocks 1 & 5 in their schedule.

College Credit Plus (CCP)
Course Title: 21ST CENTURY STEM CAREERS
Grade: 7-12
Credit: 3 College Credits/1 Carnegie Unit
Description: Minimum class size 20. Students who participate in CCP on-NDA campus early college options, must attend a Mandatory Student and Parent Meeting and complete the Intent to Participate form before April 1st. Students must also attend all application and registration sessions. This course delves into a variety of careers that fall into the high growth industries of Science, Technology, Engineering and Mathematics. This course may be taught as a partial hybrid blended class by an Owens Community College Professor. Students who are enrolled in this class must reserve Blocks 1 & 5 in their schedule.

Please Note: Some courses have minimum enrollment requirements in order to run.

♦ Indicates IB Course
Service Learning Requirement: 20 Hours
(at a location of the student’s choosing)
**Course Offerings: Grade 12**

**Language Arts**

**Course Title:** ENGLISH IV (COLLEGE PREP)
**Grade Level:** 12
**Credit:** 1.0
**Description:** This course offers a panoramic view of world literature. A thematic approach is used. A variety of written and oral experiences provides the tools necessary for articulate communication.

**Course Title:** ADVANCED PLACEMENT (AP) ENGLISH IV
**Grade Level:** 12
**Credit:** 1.0
**Description:** This course will study major literary periods in Western and world literature through classical and contemporary reading, research, composition, and discussion. Students are required to take the AP test for college credit. The following criteria are considered for admission to AP:
1. An A average in Honors English each year
2. Recommendation of Junior English teacher
3. Mandatory essay test for students not recommended by English teacher.

**Course Title:** INTERNATIONAL BACCALAURATE (IB) ENGLISH HL (YEAR TWO)
**Grade Level:** 12
**Credit:** 1.0
**Description:**
*Prerequisite: Passing Grade IB English: Literature HL year one*
The second year of this two-year course continues to focus on close reading, and takes a thematic approach to texts. This year includes an investigation of the conventions of various genres of literature, with special attention paid to poetry and the novel. Students will prepare for IB assessments through intensive practice in writing and speaking about texts. Assessments include an oral commentary at the end of the first semester and two written exams in May. In order to earn IB credit, students must complete all assessments and take the final IB exams.

**Mathematics**

**Course Title:** MATH III (COLLEGE PREP)
**Grade Level:** 10, 11, 12
**Credit:** 1.0
**Description:**
*Prerequisite: Math II and department approval.*
This course is a rigorous continuation of the Honors Math II course. It includes study of Algebra, Geometry, Trigonometry, and Probability/Statistics.

*Mathematics I, II, and III courses are integrated in their approach to Algebra, Geometry, Number Sense, and Probability Statistics.*
*If it is the intention of a student to take AP Calculus at NDA, that student must meet the requirements to take Honors Math II her freshman year and continue on this track.*
*Admission into Honors or an above grade level Math class is based upon Math Placement Test results.*
*The TI-84 Plus family of graphing calculator is the required calculator for all NDA Math students. This calculator may also be used in Science courses.*
**Mathematics**
**Course Title:** MATH IV (COLLEGE PREP)
**Grade Level:** 11, 12
**Credit:** 1.0
**Description:** *Prerequisite: Math III*
This course involves a continuation of the study of Algebra, Geometry, Functions and Trigonometry. In addition, new material on Set Theory, Number Theory, Logic and Statistics are included.

**Mathematics**
**Course Title:** PRE-CALCULUS (HONORS)
**Grade Level:** 11, 12
**Credit:** 1.0
**Description:** *Prerequisite: Math III (II) and department approval.*
This course continues an in-depth study of Functions and Trigonometry as well as an introduction to Limits, the Derivative, and their applications.

**Mathematics**
**Course Title:** STATISTICS & PROBABILITY (COLLEGE PREP)
**Grade Level:** 11, 12
**Credit:** 1.0
**Description:** *Prerequisite: Math III or department approval.*
This course is designed to give the student the skills necessary to make sense of the numbers one encounters in today's world. It considers data analysis, data collection, probability, confidence intervals and hypothesis testing. Statistics is likely to be among the college course requirements for students who pursue nursing, psychology, accounting, economics, management, or any area that requires research.

**Mathematics**
**Course Title:** ADVANCED PLACEMENT (AP) CALCULUS (AB)
**Grade Level:** 11, 12
**Credit:** 1.0
**Description:** *Prerequisite: Pre-Calculus (Honors) and department approval.*
AP Calculus is open to juniors; seniors can take this course only if they plan on taking a college-level Calculus course. The AP Calculus AB curriculum is followed which includes concepts of Limits, Derivatives, and integrals. Students are required to take the AP test for college credit.

**Mathematics**
**Course Title:** ADVANCED PLACEMENT (AP) CALCULUS (BC)
**Grade Level:** 11, 12
**Credit:** 1.0
**Description:** *Prerequisite: AP Calculus AB*
This course considers further techniques of integration, infinite series, and the calculus of polar, vector and parametric functions. Students are required to take the AP test for college credit.

**Mathematics**
**Course Title:** INTERNATIONAL BACCALAUREATE (IB) MATHEMATICAL STUDIES (SL)
**Year Two**
**Grade Level:** 11, 12
**Credit:** 1.0
**Description:** *Minimum class size of 12 *Prerequisite: IB Mathematical Studies SL (Year One)*
Mathematical Studies is a standard-level two year IB course for students who are proficient in mathematics. During the second year of this course and building on concepts from the first year, students...
will study Logic, Statistics, Probability, and Calculus. The second year of this course includes an Internal Assessment. Each student completes a project, based on her own research, providing an opportunity for students to carry out a mathematical study of their choosing using their own experience, knowledge, and skills acquired during the course. Students are also assessed through two IB External Assessment Examination Papers at the end of the second year.

**Mathematics**

**Course Title: International Baccalaureate (IB) Mathematics (SL)**

**Year Two**

**Grade Level: 11, 12**

**Credit: 1.0**

**Description:** Minimum class size of 12 *Prerequisite: IB Mathematics SL (Year One)*

This is the second year in the standard level IB Mathematics course, and enrollment depends on strong performance in the first year mathematics SL course. Students will study calculus, vectors, and probability distributions. The course will enable students to hone their critical-thinking abilities and appreciation of the deep ideas in mathematics and its connections to other subjects. The second year of this course includes an Internal Assessment. Each student completes a project, based on her own research, providing an opportunity for students to carry out a mathematical study of their choosing using their own experience, knowledge, and skills acquired during the course. Students are also assessed through two IB External Assessment Examination Papers at the end of the second year.

**Mathematics**

**Course Title: International Baccalaureate (IB) Mathematics (HL)**

**Year Two**

**Grade Level: 11, 12**

**Credit: 1.0**

**Description:** Minimum class size of 12 *Prerequisite: IB Mathematics HL (Year One)*

This class is offered online with a fee.

Mathematics HL is the higher-level two year IB course for students who are very proficient and interested in mathematics. Students in this course will most likely pursue advanced college study in mathematics or science. We will hone your critical thinking abilities with in-depth study of many various tools and subjects of mathematics including calculus, statistics, set and group theory.

Theology

**Theology**

**Course Title: Theology IV (College Prep)**

**Grade Level: 11**

**Credit: 1.0**

**Description:** Faith in Action (Social Teachings) – one semester

The Christian understanding is that God desires a world in which all aspects of life are guided by justice and charity. This course explores the implications of living in such a world through a discussion of the principles of Catholic Social Teaching as modeled by such persons as Dorothy Day and Mother Theresa. Emphasis is placed on how students can respond to justice through a service component where students may take part in service projects in the greater community.

Logic, Reason & Apologetics – one semester

In this capstone course for seniors, students will master the principles of logic, ethics and justice that inspire them to live with purpose, moral integrity and care for human life. Through an apologetics approach, students will learn how to use reason to explain and defend the faith as they prepare to engage a more critical and increasingly secular culture. (1.0 credit)
Sciences

Course Title: Advanced Placement (AP) Biology II
Grade Level: 11-12
Credit: 1.0
Description: Minimum class size of 12
*Prerequisites: Biology, Chemistry—Double Blocked—Offered in odd years only → Next in 2017
Anatomy prerequisite or co-requisite recommended. Overall science average >3.3; signature of AP Biology teacher required.
This lab course includes an in-depth study of biological chemistry, cells, energy transformations, molecular genetics, heredity, evolution, taxonomy and systematics, and ecology. The pace and content of this course demand highly self-motivated students willing to spend extra time in its preparation. It is highly recommended that Physics be taken as a prerequisite. Students are required to take the AP test for college credit.

*Sciences

Course Title: International Baccalaureate (IB) Biology (HL) Year Two
Grade Level: 12
Credit: 1.0
Description: *Prerequisite: IB Biology HL year 1
The second year of this two-year curriculum will focus on a variety of topics such genetics, protein synthesis, human anatomy and physiology, animal behavior and neurobiology. The depth and breadth of the curriculum encourages the discussion of global and ethical issues. Lab skills and activities include computer simulations, database analysis, and some dissections. This is a course where you will think and communicate like a scientist as you learn the course material.

Sciences

Course Title: Introduction to Molecular Genetics (Honors)
Grade Level: 11-12
Credit: .50
Description: Minimum class size of 12 *Prerequisites: B average in Biology, Chemistry. Co- or prerequisite: Anatomy. Signature of Chemistry or Anatomy instructor.
This lab course explores the world of DNA using the most up-to-date biotechnology. Students will: isolate DNA from themselves as well as other organisms; insert genes; amplify specific DNA sequences using PCR technology; purify sequences using electrophoresis. Computer simulations will supplement class work. The pace and content of this college level course demand highly self-motivated students willing to spend extra time preparing coursework.

Sciences

Course Title: Advanced Placement (AP) Chemistry II
Grade Level: 11-12
Credit: 1.0
Description: Minimum class size of 12—Double Blocked—Offered in even years only → Next in 2018
*Prerequisites: A average in both Biology, Chemistry (Honors) Signature of AP Chemistry Teacher required.
Physics is highly recommended as co— or prerequisite. This lab course includes an in-depth study of stoichiometry, chemical equations, gases, thermochemistry, atomic structure and periodicity, bonding, liquids and solids, solutions, kinetics, acids & bases, equilibrium, thermodynamics, and electrochemistry. Due to the pace of this course, students must be highly self-motivated and willing to spend extra time preparing for coursework. Students are required to take the AP test for college credit.

**Sciences**

**Course Title: ORGANIC CHEMISTRY (HONORS)**

**Grade Level: 11-12**

**Credit: 1.0**

**Description:** Minimum class size of 12—Double Blocked—Offered in odd years only→ Next in 2017

*Prerequisites: Honors Chemistry (B average or above) or regular Chemistry with instructor’s approval.*

This lab based course is a survey or concepts that would be covered in a typical college-level organic chemistry course. Organic chemistry is the study of carbon-containing molecules, which are the molecules of life. Topics will include IUPAC nomenclature, bonding, synthesis of organic compounds (such as pharmaceuticals, food additives, and/or industrial compounds), extraction and isolation techniques of natural organic compounds, molecular modeling, as well as mechanisms of chemical reactions.

**Sciences**

**Course Title: COMPARATIVE ANIMAL PHYSIOLOGY**

**Grade Level: 12**

**Credit: 1.0**

**Description:** Minimum class size of 12 *Pre-Requisite: B average in Regular or Honors Anatomy and Physiology. Signature of Anatomy teacher. IB Biology I; Co-requisite: IB Biology II*

A project-based course exploring anatomical and physiological adaptations for survival in extreme conditions. Topics include metabolism during long-range migration; sea turtle navigation; infrared receptors in snakes; thermoregulation in desert rats; bat radar; diving reflex in sea lions; social systems in primates; to name just a few. Explorations will involve reading classic papers, internet resources, lab work (including dissections), and field trips. Assessments will include portfolios, labs write ups, presentations, and short papers (3-5 pages).

**Sciences**

**Course Title: ENGINEERING—THE MULTI-DISCIPLINARY SCIENCE (HONORS)**

**Grade Level: 11-12**

**Credit: 1.0**

**Description:** Minimum class size of 12 *Prerequisites: Biology and Chemistry. Interest in applied science based career.*

This course designed to introduce NDA students to engineering concepts and careers. The course covers five branches of engineering; Environmental, Civil, Materials, Mechanical and Electronics. The course includes projects and field trips as well as visiting lecturers. Grading is based on class participation, five short papers on the five branches studied, and a final exam paper. The purpose of the course is to introduce students to engineering as a possible career, not to teach them engineering, so it is not strictly a technology course. However, students will learn about how the technology is used. The course will introduce students to the concept of innovation and how the U.S. Patent Office system works. Students also will investigate college curricula associated with the five engineering disciplines.
Sciences

Course Title: ENVIRONMENTAL SCIENCE (COLLEGE PREP)
Grade Level: 11-12
Credit: 1.0
Description: *Prerequisites: Biology and Chemistry.
This lab course is a hands-on, project driven, integrated science. Concepts in chemistry, biology, geology, physics, and ecology will be used to actively examine various environmental issues. Topics will include developing a sustainable worldview, ecosystem structure and function, population balance, air and water resources, and issues such as global warming, acid rain, air and water pollution, deforestation, recycling, hazardous wastes, and endangered species. Interactive labs and field trips will allow students to gain a better understanding of important issues that our world is facing today.

Sciences

Course Title: ADVANCED PLACEMENT (AP) ENVIRONMENTAL SCIENCE
Grade Level: 11-12
Credit: 1.0
Description: Minimum class size of 12 *Prerequisites: Biology and Chemistry overall science average >3.0, Signature of AP Enviro. Teacher
The goal of this lab course is to provide students with the scientific principles, concepts and methodologies required to understand the interrelationships of the natural world, to identify and analyze the environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving and/or preventing them. Themes and topics include science as a process; energy conversions underlying all ecological processes; the earth as one interconnected system; human alteration of natural systems; the cultural and social context of environmental problems; and developing practices that will achieve sustainable systems. The pace and content of the course demand highly self-motivated students willing to spend extra time preparing coursework. Students are required to take the AP test for college credit.

Sciences

Course Title: INTRODUCTION TO ASTRONOMY
Grade Level: 11-12
Credit: 0.50
Description *Prerequisites: Biology and Chemistry
This course is a survey course which will explore the wonders of the universe. Beginning with the earth-moon-sun system, including such topics as earth’s seasons, tides, and the phases of the moon, topics will expand to include the rest of the solar system, our galaxy and finally the universe as a whole. The theme of evolution will unify the course content, including the birth, life and death of stars, the development of galaxies and the beginnings and eventual fate of the universe. Information from other science and math classes will be integrated.

Sciences

Course Title: ROBOTICS & INNOVATION (HONORS)
Grade Level: 11-12
Credit: 1.0
Description Minimum class size of 12
This project-based course will provide students with an introduction to robotics, product engineering, and innovation. In the first semester, student teams will build working robots and program them to perform simple tasks. Teams will compare their robot performance against one another. In the second semester, students will be introduced to the concept of innovation and will work in teams to research and invent innovative new products. Each team will construct prototypes using a “maker space” laboratory and test their prototypes. To learn how new product ideas are protected, they will use the U.S. Patent Office web site to assess the innovativeness of their products and will create patent applications for them.
**SCIENCES**

**Course Title:** PHYSICS (COLLEGE PREP)

**Grade Level:** 11-12

**Credit:** 1.0

**Description:** *Prerequisites: Biology, Chemistry, and Math II Co-requisite: Math III*

This lab course emphasizes the conceptual basis of Physics through student explorations, lab work, demonstrations, and problem solving using mathematical expressions. There will be an emphasis on applications to real-world situations. Topics include forces and motion; heat, sound, and light; magnetism and electricity; atomic and nuclear physics.

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**SCIENCES**

**Course Title:** PHYSICS (HONORS)

**Grade Level:** 11-12

**Credit:** 1.0

**Description:** *Prerequisites: B average in Chemistry and Math; signatures of Chemistry and Math Instructors. Co-requisite: Math III, H Math III, H Pre-Calculus*

This lab course includes the study of mechanics, heat, sound, light, electricity, magnetism, and nuclear reactions. Laboratory experiences extend these concepts into the practical realm. The pace of this course demands highly self-motivated students willing to spend extra time preparing coursework.

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**SCIENCES**

**Course Title:** INTERNATIONAL BACCALAUREATE (IB) PHYSICS (SL) YEAR TWO

**Grade Level:** 12

**Credit:** 1.0

**Description:** *Prerequisite: IB Physics SL year 1; Co-requisite: IB Mathematics SL or HL year 2 or Pre-Calculus or Higher*

The second year of IB Physics SL is a continuation of IB Physics SL year 1. The second year will cover the topics of electricity, electrical fields and forces, atomic and nuclear physics, energy, power, climate change, and astrophysics. Extensive time will be spent in and out of class working on labs, practicing skills, and applying concepts to develop a deeper understanding of course content. You must be strong in math to be successful at this course. The IB Internal Assessment includes a formal lab which will be designed, implemented, and analyzed by the student. The IB External Assessment includes one objective and two free response papers.

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**SCIENCES**

**Course Title:** INTERNATIONAL BACCALAUREATE (IB) PHYSICS (HL) YEAR TWO

**Grade Level:** 12

**Credit:** 1.0

**Description:** *Prerequisite: IB Physics HL year 1; Co-requisite: IB Mathematics SL or HL year 1 or Pre-Calculus or Higher*

The second year of IB Physics HL is a continuation of IB Physics HL year 1. The second year will cover the topics of electricity, electric fields and forces, electromagnetic induction, atomic and nuclear physics, energy, power, climate change, digital technology, and astrophysics. Extensive time will be spent in and out of class working on labs, practicing skills, and applying concepts to develop a deeper understanding of course content. You must be strong in math to be successful at this course. The IB Internal Assessment includes a formal lab which will be designed, implemented, and analyzed by the student. The IB External Assessment includes one objective and two free response papers.

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Social Studies
Course Title: ECONOMICS
Grade Level: 11, 12
Credit: .50
Description: This course is a combination of microeconomics and macroeconomics. Topics include the price system, business and labor organizations, government's role in taxes and spending, banking and investment, inflation and recession, economic statistics and theory, and international trade and development. Emphasis is on application of skills needed to be an effective consumer, worker, and citizen. Recommended for college-bound students interested in business.

Social Studies
Course Title: UNITED STATES GOVERNMENT (COLLEGE PREP)
Grade Level: 12
Credit: 1.0
Description: *Prerequisite: United States History, IB HOTA; United States History (AP)
This is a comprehensive course that examines the Constitution, political parties, and the three branches of government. Course content will extend beyond the textbook in an effort for students to gain an overall knowledge of the current government, allowing them to make informed decisions as an active citizen in society.

*Seniors are required to complete the Government Semester Project in conjunction with this course. Students are to complete 8 hours of participation in the political process. This may include, but not limited to, campaigning for a candidate or issue, attending a local city council, township trustee or school board meeting. Students may also shadow an elected official with teacher approval prior to observation. Other government related events may also count towards the project with the approval of the teacher. The project requires students to obtain the proper signatures from officials in charge of volunteers. These forms along with a detailed project description are given to students in class and can also be found in the school’s website. Students may complete up to 4 hours in the summer prior to their senior year. The remaining 4 hours must be completed in conjunction with the course during the school year.

Social Studies
Course Title: ADVANCED PLACEMENT (AP) UNITED STATES GOVERNMENT
Grade Level: 12
Credit: 1.0
Description: *Prerequisite: United States History, IB HOTA; United States History (AP)
This year-long course emphasizes the Constitution specifically federalism, civil liberties, and civil rights. Students investigate the three branches of government, voting and public policy. Students use a college text, do Internet projects, and stay informed about current events. The pace of this course demands highly self-motivated students willing to spend extra time preparing for coursework. Students are required to take the AP test for college credit. The following criteria are considered for admission to this course:
1. A/B in AP United States History or A in United States History, IB HOTA
2. A/B in English III Honors or A in English III

*Seniors are required to complete the Government Semester Project in conjunction with this course. Students are to complete 8 hours of participation in the political process. This may include, but not limited to, campaigning for a candidate or issue, attending a local city council, township trustee or school board meeting. Students may also shadow an elected official with teacher approval prior to observation. Other government related events may also count towards the project with the approval of the teacher. The project requires students to obtain the proper...
signatures from officials in charge of volunteers. These forms along with a detailed project description are given to students in class and can also be found in the school’s website. Students may complete up to 4 hours in the summer prior to their senior year. The remaining 4 hours must be completed in conjunction with the course during the school year.

**Social Studies**

**Course Title:** PSYCHOLOGY (COLLEGE PREP)

**Grade Level:** 11, 12

**Credit:** .50

**Description:** Psychology is a semester course that explores insights into the behavior of individuals and groups. Topics covered include (but are not limited to) conformity, aggression, development, emotional well-being, personality, mental illness and treatments, and current psychology and social psychology theories.

**Social Studies**

**Course Title:** PSYCHOLOGY (HONORS)

**Grade Level:** 11, 12

**Credit:** 1.0

**Description:** This semester course is designed for students who are not able to fit a year-long AP course in their schedules. This course covers topics from general psychology but moves at a faster pace and will cover topics more in-depth. Topics covered will also include learning, memory, states of consciousness, and brain development as related to psychology and mental health. The following criteria are required for admission:

1. Signature of U.S. History teacher
2. A/B in English
3. A/B in U.S. History

**Social Studies**

**Course Title:** ADVANCED PLACEMENT (AP) PSYCHOLOGY

**Grade Level:** 11, 12

**Credit:** 1.0

**Description:** This year long AP Psychology course is designed to introduce students to the systematic and scientific study of the behavior and mental processes of human beings and other animals. Students must accept the challenge of a rigorous academic curriculum to take the AP exam. Topics include history and research methods, biological bases of behavior, sensation and perception, states of consciousness, cognition, motivation and emotion, developmental psychology, personality, abnormal psychology, treatment of psychological disorders, and social psychology. Students are required to take the AP test for college credit. The following criteria are required for admission:

1. Signature of U.S. History teacher or IB Coordinator for Sophomores*
2. A/B in English
3. A/B in U.S. History/World History

**Social Studies**

**Course Title:** ADVANCED PLACEMENT (AP) UNITED STATES (U.S.) HISTORY

**Grade Level:** 10, 11, 12

**Credit:** 1.0

*Prerequisite: World History

U.S. History AP is a college-level course which covers the time period from the Age of Exploration in the 15th century to 1980’s conservatism. Students read a college text, investigate primary sources, and write many analytical essays. The pace of this course demands highly self-motivated students willing to spend extra time preparing for coursework. The following criteria are considered for admission to this course:

1. Signature of World History Teacher (A/B Honors or A in World History)
2. A/B in English I Honors or A in English I

**Social Studies**

**Course Title:** SOCIOLOGY  
**Grade Level:** 11, 12  
**Credit:** 1.0  
**Description:** Study human interaction through application of scientific method of observation and analysis. This course would include studies of culture, deviance, social stratification, race/ethnicity, the family, education, economy, and urbanization. The goal of this class is to deepen student interest and awareness of human behavior and interaction, as well as sharpen analytical skills.

**Social Studies:**  
**Course Title:** CONTEMPORARY GLOBAL ISSUES  
**Grade Level:** 11, 12  
**Credit:** .50  
**Description:** This course provides an in-depth study of domestic and international topics. Particular attention is devoted to current world affairs and their possible outcomes, helping students gain an international perspective in their lives. Past topics include: the economy, women, immigration, terrorism, environment, and social issues.

**Social Studies:**  
**Course Title:** WOMEN’S STUDIES  
**Grade Level:** 11, 12  
**Credit:** .50  
**Description:** This semester course is designed to introduce students to the role women have played in society throughout history, today and into the future. Issues include gender role stereotypes, self-esteem, education, and feminism. The physical, intellectual, social, emotional, psychological, and spiritual development of women will be discussed. An overview of women’s history and essential readings in women’s studies will be included. A global perspective of women and women’s issues will be used throughout the course.

**Social Studies:** INTERNATIONAL BACCALAUREATE (IB) HISTORY OF THE AMERICAS (HL)  
**Grade Level:** 12  
**Credit:** 1.0  
**Description:** *Prerequisite: year one IB History
This two-year course will focus on the History of the Americas from the age of exploration to the present with emphasis placed on critical and evaluative thinking skills, essay writing, interpretation of original documents, and historiography. The central themes are political, social, ideological, cultural, and economic in nature and extend to address topics such as diversity, humanity, demographic changes, economic transformations, environment, globalization, democracy, politics, religion, war & peace, and diplomacy.
Year one will center mainly on US History and its’ role in world events. Year two is a thematic study of 20th Century world events, such as nationalist and independence movements in Africa and Asia after 1945, Apartheid in South Africa, American Civil Rights Movement and the Cold War. Year two presents a broad global view which helps students develop an understanding of history as a discipline and to develop historical consciousness, including a sense of chronology and context, and an understanding of different historical perspectives.
INTERNATIONAL BACCALAUREATE DIPLOMA

COURSE TITLE: THEORY OF KNOWLEDGE (TOK)
GRADE: 11-12
CREDIT: 1.0
DESCRIPTION: “I know what I know. But how do I know it?” The TOK course will help you answer this question! Get on board to explore such questions as: What counts as knowledge? How does knowledge grow? What are its limits? Who owns knowledge and what is its value? This course aims to develop a fascination with the richness of knowledge as a human endeavor. You will be encouraged to develop an awareness of how knowledge is constructed and to reflect on your experiences as a learner in everyday life. You will learn to make connections between academic disciplines and between thoughts, feelings and actions. Learn to appreciate the diversity of ways of thinking and ways of living. Take on the responsibilities of being a ‘knower’! The Internal Assessment (presentation) and the External Assessment (prescribed title essay) are to be completed senior year.

INTERNATIONAL BACCALAUREATE DIPLOMA

COURSE TITLE: CREATIVITY, ACTION & SERVICE (CAS)
GRADE: 11-12
CREDIT: 1.0
DESCRIPTION: CAS is one requirement of the IB full diploma curriculum. The student has two years (junior/senior) to complete the requirements. CAS seeks to help develop a well-rounded student in the areas of Creativity, Action & Service. CAS is based on this quote, “if you believe in something, you must not just think or talk or write, but must act.” (Peterson, 2003 – CAS Guide) CAS encourages each student to engage in activities that promote creative thinking through art and other experiences, a healthy lifestyle through physical exertion and service to the community by respecting the rights, dignity and autonomy of others through unpaid and voluntary time. Students are asked to set goals prior to each activity and then reflect on those goals in light of eight learning outcomes. Service hours for CAS count towards the required NDA service hours. Due to the nature of CAS, it also fulfills the Senior Project requirement. It must be finished before the beginning of May of the student’s senior year. This is a pass/ fail credit.

INTERNATIONAL BACCALAUREATE DIPLOMA

COURSE TITLE: EXTENDED ESSAY (EE)
GRADE: 11-12
CREDIT: 1.0
DESCRIPTION: The Extended Essay is an externally assessed, in-depth, research-based academic endeavor on a topic of the student’s choice and is compulsory for all diploma candidate students. Although this task is completed independently over the student’s Junior and Senior years, students are paired with a faculty mentor who supports the development of critical thinking and communication skills appropriate to the selected field. Culminating in a 4,000 word formally presented and reasoned argument, the Extended Essay showcases the student’s mastery of the IB Learner Profile traits, including intellectual risk-taking, balance, and open-mindedness. Internal assignments to guide students through the research and writing process are awarded credit through the Theory of Knowledge (TOK) course.

Performing Arts

FINE / PERFORMING ARTS
COURSE TITLE: CHORUS I, II, III, IV
**Grade: 9-12**

**Credit: .50**

**Description:** Chorus is a great course to learn how to sing, read music, and polish your performance skills. Students will participate in four school concerts in addition to contests, workshops, and assemblies. More advanced students will be given special performance opportunities in small ensembles. Solo and group coaching is available to all choral students. Literature includes sacred and secular choral classics, world music, vocal jazz, barbershop, standards and musical theatre.

**Fine / Performing Arts**

**Course Title: HONORS CHURCH**

**Grade: 9-12**

**Credit: 1.0**

**Description:** The Honors Choir is a continuation of the curriculum in the Women's Chorus at a quicker pace. Students will develop independent singing and rehearsal techniques in addition to their vocal training. Literature includes sacred and secular choral classics, world music, vocal jazz, barbershop, standards and musical theatre. Participants must be available for outside rehearsals, workshops and performances. Additional small group experiences are available including the Key of She and other a cappella groups.

**Fine / Performing Arts**

**Course Title: VOICE CLASS**

**Grade: 9-12**

**Credit: .50**

**Description:** Develop your singing voice in a low pressure environment. Students enrolled in voice class will learn vocal technique through the performance and study of classical literature, jazz, and musical theatre. Music history, performance practice and stage techniques will be incorporated into the curriculum. Students will participate in a recital and stage scenes from musical theatre productions as well as learn to identify common vocal problems. Outside performances are available, but optional. No experience necessary.

**Fine / Performing Arts**

**Course Title: ADVANCED VOICE CLASS**

**Grade: 9-12**

**Credit: .50**

**Description:** Prerequisite: Voice Class or Instructor Permission

Advanced Voice is a continuation of the material learned in the beginning voice class. Special emphasis will be given to performing and audition techniques. Singers will be expected to give additional performances in this class. Outside performances are available, but optional.

**Fine / Performing Arts**

**Course Title: ORCHESTRA I, II, III, IV**

**Grade: 9-12**

**Credit: .50**

**Description:** Orchestra provides students with previous musical training an opportunity to grow in their musicianship and performance skills. Students will perform in at least two school concerts, as well as optional outside competitions and ensembles. Classes will focus on improvement of basic musical skills and technique in a group setting. Students will also learn the basics of independent practice. All instruments are welcome! This group will explore a wide range of musical styles from Baroque to Contemporary. Each student is required to either own her instrument or rent an instrument.

**Fine / Performing Arts**

**Course Title: ORCHESTRA (HONORS)**
**Grade: 9-12**
**Credit: .50**
**Description:** This ensemble is for students who are confident in their playing abilities and are able to perform at a higher musical level. Class will focus on ensemble playing and improvement of basic musical technique and skills in a group setting. Students will continue to develop independent practice skills. The repertoire will explore a wide range of musical styles from Baroque to Contemporary. Performance opportunities include at least two school concerts, chamber groups, musical pit, and outside competitions. All instruments are welcome! Students are required to own or rent their instrument. Faculty signature and/or audition required.

**Fine / Performing Arts**
**Course Title: PIANO & GUITAR CLASS**
**Grade: 9-12**
**Credit: .50**
**Description:** Maximum class size of 15
Students will choose to learn either piano or guitar in a group setting. The class will use group instruction and individual practice time. Piano will focus mostly on simple melodies and easy two-hand songs, while guitar will focus mostly on chords and strumming patterns. Students are welcome to bring their own acoustic guitars. No prior music experience is required.

**Fine / Performing Arts**
**Course Title: MUSIC COMPOSITION I**
**Grade: 9-12**
**Credit: .50**
**Description:** This course is designed for students with little or no previous musical training. The class begins with the basics of notation, note and rhythm reading, and key relationships. Throughout the semester, the class will work on a variety of projects including how to write melodies, harmonization exercises, and creating different musical textures. Students will also listen to music from different styles and time periods.

**Fine / Performing Arts**
**Course Title: MUSIC COMPOSITION II**
**Grade: 9-12**
**Credit: .50**
**Description:** *Prerequisite: Music Composition I* This course is a continuation of Music Composition I. Students will compose more advanced compositions and hone their notation skills. Basic skills will be reviewed, while more advanced projects will be given (such as string quartet, art songs, unaccompanied solos, and arranging projects). Students will also build on the listening skills they previously learned.

**Fine / Performing Arts**
**Course Title: MUSIC COMPOSITION III**
**Grade: 10-12**
**Credit: .50**
**Description:** *Prerequisite: Music Composition I-II*
This course builds on skills learned in Music Composition II. Students will build their composition portfolio with pieces for larger ensembles and more advanced techniques. This course can be repeated for credit.

**Fine / Performing Arts**
**Course Title: ADVANCED PLACEMENT (AP) MUSIC THEORY**
**Grade: 10-12**
**Credit: 1.0**
**Description:** Minimum class size of 6
The goal of this course is to develop a student's ability to recognize, understand, and describe the basic materials and processes of music that are both heard and read in a score. Students will learn the fundamentals of music, such as intervals, scales, keys, chords, metric organization, and the terminology to go with it. They will also go deeper by analyzing chords and form. An emphasis is also placed on aural skills such as melodic dictation, sight-singing, and contextual listening. Students must be able to read music to take this class. Students are required to take the AP test for college credit.

**Fine / Performing Arts**

**Course Title: HISTORY OF POPULAR MUSIC**

**Grade:** 9-12  
**Credit:** .50  
**Description:** This semester-long course will provide an overview of the development of popular music in America, and the impact these musical styles have had on Western society. Students will learn about a variety of musical styles such as rock and roll, rhythm and blues, country, and modern rock. Current music and current music events will also be incorporated into daily discussions. This course uses a variety of assessments including creative projects, written tests, listening journals, and class discussions. No prior musical knowledge is required for this class.

**Fine / Performing Arts**

**Course Title: INTERNATIONAL BACCALAUREATE (IB) MUSIC (SL)**

**Grade:** 11-12  
**Credit:** 1.0  
**Description:** Minimum class size of 12  
*Pre-Requisite is one of the following: Choir, Orchestra, Music Composition or Music Technology, applied instrumental or voice lessons*  
IB Music is a two-year course. There are two major components to this class. Students will listen and analyze music from all across the world and throughout history, making connections across genres, cultures, and time. An in-depth listening investigative paper that compares two pieces from different cultures will be completed at the end of Year Two. Prior experience reading music recommended. Students will also choose one of four options to assess real-life music creativity: electronic music composition, acoustic music composition, solo performance, or group performance.

**Fine / Performing Arts**

**Course Title: MUSIC TECHNOLOGY I**

**Grade:** 9-12  
**Credit:** .50  
**Description:** Learn to create your own mixes, mash-ups, music videos, film scores and original compositions even if you have never had any musical experience. Students will learn notation, sequencing, editing and basic keyboard skills using computers, digital recorders and electronic instruments. Class projects include a class album and a podcast. Students receive .50 credit in fine arts OR technology.

**Fine / Performing Arts**

**Course Title: MUSIC TECHNOLOGY II**

**Grade:** 9-12  
**Credit:** .50  
**Description:** *Prerequisite: Music Technology I*  
Music Tech II is a continuation of Music Tech with an emphasis on recording and mixing. Students will use various platforms to create, edit, and mix original music. Time outside of class will be required to record student groups. Projects include using ProTools Software to record, mix, and edit, live performances, advanced electronic mixes, and creating original electronic music.

**Fine / Performing Arts**

**Course Title: SPEECH & DRAMA S1**

**Grade:** 12
**Course Title:** SPEECH & DRAMA S2  
**Grade:** 9-12  
**Credit:** .50  
**Description:** Prerequisite: Speech/Drama I (S1)  
This course will offer course work in speaking, acting, theatre history, media analysis, and use of technology for speeches. It will continue the course work offered in Speech & Drama Semester 1. Students who complete both semesters of Speech & Drama I will be able to go into Advanced Drama or IB Theatre (with teacher signature).

**Fine / Performing Arts**  
**Course Title:** SPEECH & DRAMA I  
**Grade:** 9-12  
**Credit:** 1.0  
**Description:** This course is designed to give students a broad base in communication skills and theater arts. Course work includes communication theory, public speaking, media analysis, choral reading, oral interpretation, story-telling, improvisational and prepared acting experiences, and theatre history. Students will get maximum possible experience in both extemporaneous and prepared speaking and acting situations in a non-threatening atmosphere.

**Fine / Performing Arts**  
**Course Title:** ADVANCED SPEECH & DRAMA I  
**Grade:** 10-12  
**Credit:** 1.0  
**Description:** *Prerequisite: Speech & Drama I  
Students will continue a more advanced study of acting techniques with the emphasis on the production of full length plays. The students will all assume roles in at least one full-length production. Students will also participate in writing scripts for performance. Students will also participate either in full-length or shorter length plays performed for a variety of grade schools. Students will be given opportunities to direct other students in scene work. Students will be encouraged to work independently to learn to create, plan, and produce their ideas in different media. Students will prepare projects to study acting techniques and theater history in greater depth.

**Fine / Performing Arts**  
**Course Title:** COMPETITIVE SPEECH & DRAMA I  
**Grade:** 9-12  
**Credit:** 1.0  
**Description:** Minimum class size of 12 *Prerequisite: Either Speech & Drama I or at least one season of Speech Team Competition (must be approved by Mrs. Sanders).  
This is a semester-long course. The course may be taken in conjunction with competition on Speech Team, but only one tournament each semester will be mandatory. This course will offer students opportunities to grow proficient in a variety of presentation styles. The course will cover: Dramatic, Humorous, Oratorical, and Duo Interp, Prose-Poetry, Impromptu, Extemp, Congress, and Debate. Students will work with their teacher to “specialize” in different areas of competition while gaining experience in all. Students will also participate in a variety of other competitive speech contests—such as
The Voice of Democracy Speech Contest, The Shakespeare Competition, The Flower Hospital Speech Contest, and the American Legion Speech Contest. It is a great opportunity for students to hone presentation skills that will serve them throughout life.

**Fine / Performing Arts**

**Course Title:** MUSICAL THEATRE DANCE  
**Grade:** 9-12  
**Credit:** .50  
**Description:** This semester course dance class is for both inexperienced and experienced dancers. Student will learn dance with a concentration on styles found in musical theatre.

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**Fine / Performing Arts**  
**Course Title:** INTERNATIONAL BACCALAUREATE (IB) THEATRE (SL) YEAR TWO  
**Grade:** 11-12  
**Credit:** 1.0  
**Description:** *Prerequisite: year one IB Theatre Arts SL*  
Students will continue studies from IB Theatre Arts I, but the main focus will be on synthesis of material. This will include preparation for all IB Assessments. Focus will be on independent work including the IB Independent Project, as well as a continued emphasis on seeing and critiquing theatre both during class and outside of class.

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**Fine & Digital Art**

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**Fine / Performing Arts**  
**Course Title:** ART I  
**Grade:** 9-12  
**Credit:** .50  
**Description:** This course is an introduction to the principles, elements and history of art. The fundamentals of drawing, painting, printmaking and ceramics are explored.

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**Fine / Performing Arts**  
**Course Title:** ART II  
**Grade:** 10-12  
**Credit:** 1.0  
**Description:** *Prerequisite: Art I*  
This course encourages experimentation with new approaches, various media and techniques in drawing, painting, sculpture, and ceramics.

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**Fine / Performing Arts**  
**Course Title:** ART III (HONORS)  
**Grade:** 10-12  
**Credit:** .50  
**Description:** *Prerequisites: Art I, II and permission of the Instructor*  
This advanced course demands greater depth and creativity. Personal interpretation, freedom of expression and increased conceptual content are encouraged. Advanced 2 dimensional, 3 dimensional, mixed media and art history are included.
COURSE TITLE: ART IV (HONORS)
GRADE: 10-12
CREDIT: 1.0
DESCRIPTION: *Prerequisites: Art I, II, III and permission of the Instructor
This advanced course completes the four-year major and includes advanced 2 dimensional, 3 dimensional, mixed media and art history. Creating a portfolio for scholarship or acceptance in a university is included. (1.0 credit)

FINE / PERFORMING ARTS
COURSE TITLE: ADVANCED PLACEMENT (AP) ART HISTORY
GRADE: 10-12
CREDIT: .1.0
DESCRIPTION: Minimum class size of 6 students *Prerequisites: Signature of History and English Teacher
The AP Art History course is equivalent to a two-semester introductory college course that explores topics such as the nature of art, art making, and responses to art. By investigating a specific image set of 250 works of art characterized by diverse artistic traditions from prehistory to the present, the course fosters in-depth, holistic understanding of the history of art from a global perspective. Students become active participants in the global art world, engaging with its forms and content, as they experience, research, discuss, read, and write about art, artists, art making, and responses to and interpretations of art. Students are required to take the AP test for college credit.

FINE / PERFORMING ARTS
COURSE TITLE: INTERNATIONAL BACCALAUREATE (IB) VISUAL ARTS (SL/HL) YEAR ONE
GRADE: 11-12
CREDIT: .1.0
DESCRIPTION: *Prerequisite: Art I and Art II, 88% or above
Visual Arts SL & HL are designed to provide students of various art interests and abilities with opportunities to develop their aesthetic, imaginative, and creative faculties in a global context. Rather than focusing on the production of art alone, the program also emphasizes critical thinking, intercultural understanding, and exposure to a variety of points of view. Through Visual Arts SL and HL students center their artistic development around an Investigation Workbook which serves as a personal record of the evolution of their aesthetic, imaginative, and creative journey. Students develop skills of organization, critical thinking, time management, collaboration, reflection and life-long learning/ownership of learning. The course encourages individual experimentation and persistent endeavor.

FINE / PERFORMING ARTS
COURSE TITLE: 3-D ART
GRADE: 9-12
CREDIT: .50
DESCRIPTION: This is a hands-on class where students will learn the basic principles of making sculpture and ceramics. All grade levels are invited and there is no prerequisite. This course may be combined with another fine/performing arts semester to fulfill the Fine/Performing Arts credit.

FINE / PERFORMING ARTS
COURSE TITLE: DIGITAL PHOTOGRAPHY
GRADE: 10-12
CREDIT: .50
DESCRIPTION: *Pre-requisite Art I
This course will explore digital photography. Topics covered are history, composition, lighting, camera function, and special techniques including manipulation with software. Students will need to provide their own digital camera for this course.
Course Title: GRAPHIC DESIGN I
Grade: 10-12
Credit: .50
Description: Prerequisites: Art I and Computer Applications I or II (as a pre or co-requisite); minimum of 6 students
This course offers the basic concepts of design and photo-editing with hands-on and digital projects. Students will use Adobe Photoshop and the Wacom tablet to enhance existing graphics and create their own digital artworks. Students will explore the evolution of design movements and designers who have impacted the field of graphic design.

Fine / Performing Arts
Course Title: GRAPHIC DESIGN II
Grade: 10-12
Credit: .50
Description: Prerequisites: Art I and Computer Applications I or II (as a pre or co-requisite); minimum of 6 students
This course offers the advanced concepts of design and photo-editing with hands-on and digital projects. Students will use Adobe Photoshop and the Wacom tablet to enhance existing graphics and create their own digital artworks. Students will explore the evolution of design movements and designers who have impacted the field of graphic design.

Physical Education & Health

Physical Education
Course Title: TEAM ACTIVITIES
Grade: 9-12
Credit: .25
Description: This course, recommended for grade 9, is designed to give the students the opportunity to learn individual skills, sport-specific fitness, and team strategy while participating in aerobics, volleyball, basketball, soccer, softball, field hockey and gymnastics.

Physical Education
Course Title: INDIVIDUAL ACTIVITIES
Grade: 9-12
Credit: .25
Description: This is a grade 10 recommended course. It is designed to teach basic techniques and fitness in a variety of individual activities including tennis, golf, archery, fencing, and gymnastics.

Health
Course Title: HEALTH
Grade: 9-12
Credit: .50
Description: This course is designed as an overview of basic health related topics with emphasis on how these relate to women. Topics include: stress, nutrition, substance abuse, systems of the body, mental health, behavior and emotions, physical fitness, infections and diseases.
Technology

Course Title: COMPUTER APPS I
Grade: 9-12
Credit: .50

Description: This introductory course is designed to give the student a comprehensive knowledge of MS Office. Students will learn document formatting for various business documents. Word and Excel are explored thoroughly. Publisher and PowerPoint are also covered. Internet safety and current technological advancements are discussed and researched.

Technology

Course Title: MUSIC TECHNOLOGY I
Grade: 9-12
Credit: .50

Description: Learn to create your own mixes, mash-ups, music videos, film scores and original compositions even if you have never had any musical experience. Students will learn notation, sequencing, editing and basic keyboard skills using computers, digital recorders and electronic instruments. Class projects include a class album and a podcast. Students receive .50 credit in fine arts OR technology.

Technology

Course Title: MUSIC TECHNOLOGY II
Grade: 9-12
Credit: .50

Description: *Prerequisite: Music Technology I
Music Tech II is a continuation of Music Tech with an emphasis on recording and mixing. Students will use various platforms to create, edit, and mix original music. Time outside of class will be required to record student groups. Projects include using ProTools Software to record, mix, and edit, live performances, advanced electronic mixes, and creating original electronic music.

Technology

Course Title: WEBDESIGN & CODING
Grade: 10-12
Credit: .50

Description: This course is an entry level programming course designed to teach students basic programming code and theories with an emphasis on developing logical thinking and problem solving skills. The focus will be on web related languages, but principles can be applied toward any coding language. Relevant languages covered are HTML, CSS, and Javascript. The course will also explore the basics of web design thinking and application.

Sciences/Technology

Course Title: ROBOTICS & INNOVATION
Grade Level: 11-12
Credit: 1.0

Description: Minimum class size of 12
This project-based course will provide students with an introduction to robotics, product engineering, and innovation. In the first semester, student teams will build working robots and program them to perform simple tasks. Teams will compare their robot performance against one another. In the second semester, students will be introduced to the concept of innovation and will work in teams to research and invent innovative new products. Each team will construct prototypes using a “maker space” laboratory
and test their prototypes. To learn how new product ideas are protected, they will use the U.S. Patent Office web site to assess the innovativeness of their products and will create patent applications for them.

**Fine / Performing Arts / Technology**  
**Course Title: DIGITAL PHOTOGRAPHY**  
**Grade: 10-12**  
**Credit: .50**  
**Description:** *Pre-requisite Art I*  
This course will explore digital photography. Topics covered are history, composition, lighting, camera function, and special techniques including manipulation with software. Students will need to provide their own digital camera for this course.

**Electives / Technology**  
**Course Title: ATHLETICS VIDEOGRAPHER**  
**Grade: 10-12**  
**Credit: 1.0**  
**Description:** Students will record athletic events and contests under the supervision of the athletic director and athletic coaches. Students will also work with the coaches to edit the recorded video for multiple purposes. Before and after school hours will be required. Full year opportunity.

**Electives / Technology**  
**Course Title: JOURNALISM II, III (BROADCAST)**  
**Grade: 10-12**  
**Credit: 1.0**  
**Description:** *Prerequisites: Journalism I plus Teacher Recommendation*  
Journalism II involves the publishing of the school newspaper or the yearbook or the video broadcasting of the daily announcements and any special news programming for the school. Under the direction of the Journalism adviser, these classes provide workshop environments in which students further the skills and knowledge learned in Journalism I. In Newspaper and Yearbook, the students design, research, write, and edit for The Vista or The Regina. In Broadcast, students research, write, videotape, edit, and broadcast the news on WNDA. Class size is limited.

**Fine / Performing Arts / Technology**  
**Course Title: GRAPHIC DESIGN I**  
**Grade: 10-12**  
**Credit: .50**  
**Description:** *Prerequisites: Art I and Computer Applications I or II (as a pre or co-requisite) Minimum class size of 6 students*  
This course offers the basic concepts of design and photo-editing with hands-on and digital projects. Students will use Adobe Photoshop and the Wacom tablet to enhance existing graphics and create their own digital artworks. Students will explore the evolution of design movements and designers who have impacted the field of graphic design.

**Fine / Performing Arts / Technology**  
**Course Title: GRAPHIC DESIGN II**  
**Grade: 10-12**  
**Credit: .50**  
**Description:** Minimum class size of 6 *Prerequisites: Graphic Design I*  
This course offers the advanced concepts of design and photo-editing with hands-on and digital projects. Students will use Adobe Photoshop and the Wacom tablet to enhance existing graphics and create their own digital artworks. Students will explore the evolution of design movements and designers who have impacted the field of graphic design.
Business

**Course Title: ACCOUNTING I**
**Grade:** 10-12
**Credit:** .50
**Description:** This semester course is open to all Sophomores, Juniors, and Seniors. Students must be sufficiently competent in basic math skills. Emphasis is placed on basic principles of accounting as applied to a sole proprietorship, a partnership, and a corporation. Through the use of automated accounting and presentation programs, students use technology for analysis, problem solving and other business situations. A unit on taxes and checking accounts is included if time allows.

**Course Title: ACCOUNTING II**
**Grade:** 10-12
**Credit:** .50
**Description:** *Prerequisite: Accounting I with at least a B average.*
This secondary course provides the students with a solid foundation in accounting principles and procedures, which are essential for those who wish to pursue accounting as a career. Emphasis is placed on payroll, corporate accounting, business simulations, and computer applications.

**Course Title: BUSINESS ESSENTIALS**
**Grade:** 10-12
**Credit:** .50
**Description:** This semester course will introduce students to contemporary business essentials by covering principles of business marketing and management, characteristics/nature of businesses, entrepreneurship and career opportunities in Business. Students will explore ethics from a managerial approach and learn how ethics and business go together. Students will also research socially responsible businesses and see what characteristics should be present.

**Course Title: INTERNATIONAL BACCALAUREATE (IB) BUSINESS MANAGEMENT (SL) YEAR TWO**
**Grade:** 12
**Credit:** 1.0
**Description:** The business management course is designed to develop students’ knowledge and understanding of business management theories, as well as their ability to apply a range of tools and techniques. Students learn to analyze, discuss and evaluate business activities at local, national and international levels. The course covers a range of organizations from all sectors, as well as the socio-cultural and economic contexts in which those organizations operate.

**Course Title: INTRO INTO LAW**
**Grade:** 10-12
**Credit:** .50
**Description:** Prerequisite: Accounting I with at least a B average.
This secondary course provides the students with a solid foundation in accounting principles and procedures, which are essential for those who wish to pursue accounting as a career. Emphasis is placed on payroll, corporate accounting, business simulations, and computer applications

**Financial Literacy:**

**Course Title:** FINANCIAL LITERACY
**Grade:** 9-12
**Credit:** .25

**Description:** This 30-hour online course about financial responsibility and money management will be completed independently by students. Material covered will include: employment decisions, understanding earning statements and employment documents, banking decisions (e.g. savings, checking, debit accounts and loans), investment options and the cost and benefits of these options, and risk management (strategies to protect your personal assets). This is a Pass/Fail course.

**Financial Literacy:**

**Course Title:** PERSONAL FINANCE
**Grade:** 11-12
**Credit:** .50

**Description:** This course, offered to Juniors and Seniors, will include an overview of preparing a personal budget, managing a checking account, calculating interest, credit/debit card use, finance charges, insurance, taxes, savings accounts, renting vs. owning, mortgages and loans, investing money and careers in money management.

**Electives**

**Course Title:** CREATIVE WRITING
**Grade:** 10-12
**Credit:** .50

**Description:** This course promotes the development of individual voices through the various forms of creative writing, i.e., poetry, short story, essay. It is structured to allow student dominated discussion and critiquing of individual works. Students will not only learn to express themselves better in writing, but also strengthen their analysis, discussion, and critiquing skills. Students also produce the literary magazine.

**Electives**

**Course Title:** CULTURE & LITERATURE
**Grade:** 10-12
**Credit:** .50

**Description:** What is literature really? How does culture impact writing, and vice versa? This course has been designed to explore the interrelationship between cultural tradition, traditional literature, and modern media. An interdisciplinary approach is taken, and students can expect to explore and analyze poetry, plays, novels, articles, songs, philosophy, history, television, and film in order to analyze how culture and literary expression intersect.

**Electives**

**Course Title:** EXPLORING SHAKESPEARE THROUGH FILM & TEXT
**Grade:** 11-12
**Credit:** .50
**Description:** In this course, students conduct a close, textual analysis of major plays in the genres of tragedy and comedy, supported through the incorporation of various film adaptations. Sonnets will also be examined. Students will explore Shakespeare’s treatment of genre, character, dramatic form, and his engagement with issues of politics, poetics, psychology, theology, gender and humanity. Classes will also include analysis of plays’ scripts and exploration of performance elements through student projects.

**Electives**
**Course Title:** JOURNALISM I
**Grade:** 10-12  
**Credit:** 1.0
**Description:** Journalism I aims to instill and to develop basic understanding of journalism in print, photography, and broadcast. Students learn the vocabulary and the tools of the field to develop skills in journalistic forms of writing and design for print and broadcast. Also, students will receive computer training with a concentration on the InDesign and PageMaker software. Careers in Journalism and related fields will be explored.

**Electives**
**Course Title:** JOURNALISM II, III (BROADCAST)  
**Grade:** 10-12  
**Credit:** 1.0  
**Description:** *Prerequisites: Journalism I plus Teacher Recommendation*  
Journalism II and III involves the video broadcasting of the daily announcements and any special news programming for the school. Under the direction of the Journalism adviser, these classes provide workshop environments in which students further the skills and knowledge learned in Journalism I. In Broadcast, students research, write, videotape, edit, and broadcast the news on WNDA. Class size is limited.

**Electives**
**Course Title:** JOURNALISM II, III (NEWSPAPER)  
**Grade:** 10-12  
**Credit:** 1.0  
**Description:** *Prerequisites: Journalism I plus Teacher Recommendation*  
Journalism II & III involves the design, research writing, editing and publishing of the school newspaper The Vista.

**Electives**
**Course Title:** JOURNALISM II, III (YEARBOOK)  
**Grade:** 10-12  
**Credit:** 1.0  
**Description:** *Prerequisites: Journalism I plus Teacher Recommendation*  
Journalism II & III involves the design, research writing, editing and publishing of the school yearbook The Regina.

**Electives**
**Course Title:** ATHLETICS VIDEOGRAPHER  
**Grade:** 10-12  
**Credit:** 1.0  
**Description:** Students will record athletic events and contests under the supervision of the athletic director and athletic coaches. Students will also work with the coaches to edit the recorded video for multiple purposes. Before and after school hours will be required. Full year opportunity.
Electives
Course Title: FITNESS & NUTRITION
Grade: 9-12
Credit: .50
Description: This course is an activity-based class that will emphasize many aspects of fitness—cardiovascular, strength, balance and coordination, and flexibility. Activities will include yoga, tai chi, balls and bands, and weight training. The students will develop a personal fitness plan. In addition, nutrition concepts will be incorporated into the course.

Electives
Course Title: LIFETIME ACTIVITIES
Grade: 11-12
Credit: .50
Description: This semester course has an emphasis on fitness training and conditioning to promote a healthy lifestyle. It also expands on activities taken during the Individual and Team Activity courses. Transportation is needed for off-site activities such as golf, tennis, yoga, spinning, skating, bowling, self-defense and disc golf. Course includes CPR training with certification. An additional course fee is required.

Electives
Course Title: MOVEMENT SCIENCE
Grade: 11-12
Credit: .50
Description: This course provides students with the scientific principles and concepts of kinesiology, exercise science, and nutrition. Lab experiences will extend these concepts into practical applications. This course is designed to give the students a solid understanding of sport science and as a basis for many college majors/related careers. This is NOT an activity based class.

Electives
Course Title: BIOETHICS (HONORS)
Grade: 11-12
Credit: .50
Description: *Prerequisite: Students must complete Morality before taking this course
Minimum class size of 12
Bioethics is a study of the ethical and moral implications of and biomedical applications surrounding life issues from conception to death. This course examines technological and scientific advances and their implications through the philosophical and theological lens of Church teaching. Topics include stem cells, cloning, in vitro fertilization (IVF), surrogacy, euthanasia, organ donation/brain death, hydration/nutrition at the end of life, etc. Students will be expected to read advanced articles and Church documents and to engage in thoughtful debate. A final paper will be required.

Electives
Course Title: DISCERNMENT (HONORS)
Grade: 11-12
Credit: .50
Description: Minimum class size of 12
This course is about the process of making sound decisions with confidence and clarity. How does one choose between trustworthy, attractive alternatives? What factors are most important? What does one do when one’s heart conflicts with one’s head? The course will include reading and discussing, What’s Your Decision? based on the insights of Ignatius of Loyola and the Spiritual Exercises. Through reflection and prayer, the student will come to understand that a God decision always precedes a good decision. The student needs to be comfortable with the conviction that God is active in their life and cares about their decisions.
Electives

Course Title: ESCHATOLOGY (HONORS)
Grade: 11-12
Credit: .50
Minimum class size of 12
This course investigates death and other loss issues in light of Church teaching on the redemptive value of suffering. Students will study various types of loss as it relates to their own lives and how to deal with these loss issues in life-giving ways. Students will learn stages of grief and bereavement and develop sensitivity towards others who may be experiencing loss in their lives. End of life issues will be examined as well as all aspects of dying, including burial and funeral traditions, history of the death industry, legal aspects of death and how to minister to the sick and suffering.

Electives

Course Title: SACRED SCRIPTURE (HONORS)
Grade: 11-12
Credit: .50
Description: Minimum class size of 12
The Bible is a living source of God’s Revelation to us. This course provides a survey of context, message and authorship as well as a plan to read and study the Bible with the Living Tradition of the Church. This is a course for students who want to focus more fully on the study of Sacred Scripture as God’s love letter to His people and its application to their lives.

Electives

Course Title: WORLD RELIGIONS (HONORS)
Grade: 11-12
Credit: .50
Description: This course will explore the major religious traditions of the world. Basic elements of each religion, such as doctrines, sacred writings, sacred stories, and symbol and ritual will be described and explained, giving students a rich overview of the faiths of the world. Also included will be an apologetics approach and theological perspective of the Catholic Church on ecumenism and its relationship with other religions.

Electives

Course Title: POINTS ACT PREP
Grade: 10-11
Credit: .50
Description: This class is recommended for students preparing for the ACT. The three primary goals of this course are (1) To prepare students for the ACT, (2) To develop test-taking strategies to apply to future tests, and (3) To enhance logic ability, critical thinking, and writing skills necessary for success in college. We will review all grammar for the English section, all math concepts for the Math section, and test-taking strategies for all four sections. The strategies learned provide students the opportunity to increase ACT confidence & comfort and decrease anxiety. The course is structured around concept lectures, paper & pencil group and individual exercises, full length practice testing and review.

Electives

Course Title: LINK CREW
Grade: 11-12
Credit: 1.0
Description: *Prerequisite: Leader Training and Instructor approval
The purpose of the Link Crew class is to maximize the benefits of the existing Link Crew Program. Link leaders will focus on developing proactive strategies intended to help freshman experience success at Notre Dame Academy. Concepts covered in the Link Crew class will include such areas as: the
development of teaching and facilitation skills, ongoing leadership training, communication skills, role modeling and understanding group dynamics. Link leaders will have frequent opportunities to work with designated “crews” of freshmen.

**Electives**

*Course Title: MUSIC ASSISTANT*

*Grade: 11-12*

*Credit: .25/.50*

*Description:* Students can receive credit for a semester or year serving as an accompanist for the Chorus. Available as a semester or full year opportunity.

**Electives**

*Course Title: OFFICE ASSISTANT*

*Grade: 11-12*

*Credit: .25/.50*

*Description:* *Prerequisite: Computer Applications I or II*

Students will assist in the Main Office, Admissions Office, Advancement Office and/or Resource Center with non-confidential clerical tasks. Available as a semester or full year opportunity.

**Electives**

*Course Title: PERFORMING ARTS ASSISTANT*

*Grade: 11-12*

*Credit: .25/.50*

*Description:* This assistantship provides students the opportunity to assist during a Speech/Drama class, organizing costumes and props, collating and copying written materials and assisting the instructor in other ways. Available as a semester or full year opportunity.

**Electives**

*Course Title: TECHNOLOGY ASSISTANT*

*Grade: 11-12*

*Credit: .25*

*Description:* *Prerequisite: Computer Applications I*

Students will assist with a Computer Applications class, aiding the instructor in providing technical support to students and other tasks as assigned. Available as a semester opportunity.

**Electives**

*Course Title: PHYSICAL EDUCATION ASSISTANT*

*Grade: 11-12*

*Credit: .25*

*Description:* During the third or fourth year, a student may act as an assistant to the instructor in P. E. I and/or P. E. II classes. The student attends class and participates as a leader in all activities. Available as a semester or full year opportunity.

**Modern & Classical Languages**

*Modern & Classical Languages*

*Course Title: CHINESE I (COLLEGE PREP)*

*Grade: 9-12*

*Credit: 1.0*
**Description:** Students will learn Chinese Phonetics System (Pinyin) and the structure of the Chinese characters, as well as focus on listening, speaking and communications in Chinese. The students are expected to be able to write 50 Chinese characters, read 200 new words, as well as 100 basic sentences patterns to communicate at the end of the year. Chinese cultural knowledge will be addressed by means of activities in the class.

**Modern & Classical Languages**

**Course Title:** CHINESE I (HONORS)

**Grade:** 9-12  
**Credit:** 1.0

**Description:** In addition to the Chinese I standard class requirements, the honors class will be taught to write an additional 20 Chinese characters and be able to read an additional 40 new words. The situational dialogue practice will be discussed in the class.

**Modern & Classical Languages**

**Course Title:** CHINESE II (COLLEGE PREP)

**Grade:** 9-12  
**Credit:** 1.0

**Description:** Students will work on the accuracy of Pinyin and tones, and continue with the structures of the Chinese characters; the focus will be on listening, speaking, writing and communications in Chinese. The students are expected to be able to write 100 new Chinese characters, be able to read 230 new words with slight helps of Pinyin and be able to use 140 sentence patterns to be communicated at the end of the year. The students will develop intercultural understanding in the class.

**Modern & Classical Languages**

**Course Title:** CHINESE II (HONORS)

**Grade:** 9-12  
**Credit:** 1.0

**Description:** In addition to the Chinese II standard class requirements, the honors class will be taught to write an additional 20 Chinese characters and be able to read an additional 50 new words without Pinyin. The students will be expected to make sentences and conduct situational dialogues.

**Modern & Classical Languages**

**Course Title:** CHINESE III (COLLEGE PREP)

**Grade:** 10-12  
**Credit:** 1.0

**Description:** Students will continue their development of fluency through listening, speaking, listening, writing, and communication in the Chinese language. Students will learn 300 new words and 135 sentence patterns. They will communicate clearly and effectively on a range of topics and situations. They will work on reading, writing and short paragraphs/articles as well.

**Modern & Classical Languages**

**Course Title:** INTERNATIONAL BACCALAUREATE (IB) CHINESE III (SL) YEAR TWO

**Grade:** 12  
**Credit:** 1.0

**Description:** Minimum class size of 12  
**Prerequisite:** 95% Reg./88% Honors Chinese II, III, IV

This class is open to the students who take at least two years of Chinese or more. IB Chinese SL is a two-year course focusing on language acquisition and proficiency by means of developing the skills of listening, speaking, reading, writing and communications. The IB Chinese SL course revolves around topics which enrich students’ understanding and simultaneously improve their use of Chinese. By exposing and studying Chinese in texts with social topics, the students will extend their intercultural awareness and communication in a different cultural environment.
Modern & Classical Languages
Course Title: FRENCH I (COLLEGE PREP)
Grade: 9-12
Credit: 1.0
Description: This is a beginning course in French during which the student is introduced to many aspects of French teenagers' lives. As the student becomes acquainted with a new culture, she gradually learns to use the most important part of that culture — its language. There is a careful, progressive development of all the communication skills: listening and reading, comprehension, speaking fluency and writing accuracy.

Modern & Classical Languages
Course Title: FRENCH I (HONORS)
Grade: 9-12
Credit: 1.0
Description: This is a beginning course in French during which the student is introduced to many aspects of French teenagers' lives. As the student becomes acquainted with a new culture, she gradually learns to use the most important part of that culture — its language. There is a careful, progressive development of all the communication skills: listening and reading, comprehension, speaking fluency and writing accuracy.

Modern & Classical Languages
Course Title: FRENCH II (COLLEGE PREP)
Grade: 9-12
Credit: 1.0
Description: This second course in French offers the opportunity to further develop the communication skills begun in French I. The purpose of this course is to complete the study of the main grammatical concepts of the French language in the context of understanding the French people and their daily lives and interests.

Modern & Classical Languages
Course Title: FRENCH II (HONORS)
Grade: 9-12
Credit: 1.0
Description: This course is the same as French II but on an accelerated scale. Less time is spent on the drilling of the grammatical aspects and more time on speaking the language. The class is conducted mainly in French. Admission to this course requires the teacher's approval.

Modern & Classical Languages
Course Title: FRENCH III (COLLEGE PREP)
Grade: 9-12
Credit: 1.0
Description: This course is a continuation of French II with more emphasis on creative oral and written expression. Readings, periodical articles and short stories serve as a basis for vocabulary development, cultural awareness and class discussion. French III students continue their study of the major points of French grammar as needed for development of communication skills. Much of the class is conducted in French. Admission to this course requires the teacher's approval.

Modern & Classical Languages
Course Title: INTERNATIONAL BACCALAUREATE (IB) FRENCH (SL) YEAR TWO
Grade: 12
Credit: 1.0
Description: Prerequisite: 95% Reg./88% Honors French II, III, IV
The French IB SL course is a two year course with summer enrichment requirements. Through this course, students will see themselves as part of a larger global community and use their languages skills to make a positive impact on humanity. Admission to this course requires the approval of the teacher.

**Modern & Classical Languages**  
**Course Title:** LATIN I (COLLEGE PREP)  
**Grade:** 9-12  
**Credit:** 1.0  
**Description:** This course provides a thorough study of fundamental Latin grammar and vocabulary. An important goal is the ability to write a coherent translation from Latin into English. Classical mythology and the study of aspects of Roman life such as the Roman family, schools, religion, and entertainment acquaint the student with the civilization that formed the basis for our own.

**Modern & Classical Languages**  
**Course Title:** LATIN I (HONORS)  
**Grade:** 9-12  
**Credit:** 1.0  
**Description:** This course presents the same grammatical, historical and cultural material as Latin I, but students will be required to demonstrate a deeper understanding of underlying concepts, primarily through the completion of additional assignments. Admission to the course requires the teacher’s approval.

**Modern & Classical Languages**  
**Course Title:** LATIN II (COLLEGE PREP)  
**Grade:** 9-12  
**Credit:** 1.0  
**Description:** Latin II continues and extends the study of the Latin language begun in Latin I. Emphasis is placed on acquiring vocabulary and developing translation skills. Roman history and geography are presented along with continuing study of Greek and Roman myths.

**Modern & Classical Languages**  
**Course Title:** LATIN II (HONORS)  
**Grade:** 9-12  
**Credit:** 1.0  
**Description:** This course presents the same grammatical, historical and cultural material as Latin II, but students will be required to demonstrate a deeper understanding of underlying concepts, primarily through the completion of additional assignments. Admission to this course requires the teacher’s approval.

**Modern & Classical Languages**  
**Course Title:** LATIN III (COLLEGE PREP)  
**Grade:** 10-12  
**Credit:** 1.0  
**Description:** This course presents the same grammatical, historical and cultural material as Latin II, but students will be required to demonstrate a deeper understanding of underlying concepts, primarily through the completion of additional assignments. Admission to this course requires the teacher’s approval.

**Modern & Classical Languages**  
**Course Title:** INTERNATIONAL BACCALAUREATE (IB) LATIN (SL) YEAR TWO  
**Grade:** 12  
**Credit:** 1.0
Description: Minimum class size of 12 *Prerequisite: 95% Reg./88% Honors Latin II, III, IV
This course, conducted during a student’s 12th grade year, seeks to have students apply the knowledge acquired in the previous two years to readings selected from a variety of authors from the classical period. Additional work in selected genres and an in-depth study of two specific authors is added as well. Admission to this course requires the approval of the teacher.

**Modern & Classical Languages**
**Course Title:** SPANISH I (COLLEGE PREP)
**Grade:** 9-12
**Credit:** 1.0
**Description:** This is a beginning course in Spanish in which students are introduced to Spanish life as it is lived by millions of teenagers in both hemispheres. As the student progresses through the year, she learns to use the language through the progressive development of the four basic language skills: listening, reading, speaking and writing. There is some stress on integrating an understanding of the Hispanic culture with the study of the language.

**Modern & Classical Languages**
**Course Title:** SPANISH I (HONORS)
**Grade:** 9-12
**Credit:** 1.0
**Description:** This course is the same as Spanish I but on an accelerated scale designed for students who have either had significant previous exposure to Spanish or have scored high on the Math and English language sections of the High School Placement Test. There will be additional emphasis on conversation, reading, and composition skills.

**Modern & Classical Languages**
**Course Title:** SPANISH II (COLLEGE PREP)
**Grade:** 9-12
**Credit:** 1.0
**Description:** This second course in Spanish is a continuation of Spanish I and its goals, with additional emphasis on the use of the oral language and continued learning of verb forms, grammar points, vocabulary, and the history and culture of the Spanish-speaking countries.

**Modern & Classical Languages**
**Course Title:** SPANISH II (HONORS)
**Grade:** 9-12
**Credit:** 1.0
**Description:** *Prerequisite: B+ average in Honors Spanish I or a high A average in Spanish I
This course is the same as Spanish II but on an accelerated scale. Less time is spent on the drilling of the grammatical aspects and more time on speaking and writing the language. The class is conducted in Spanish. Admission to this course requires the approval of the teacher.

**Modern & Classical Languages**
**Course Title:** SPANISH III (COLLEGE PREP)
**Grade:** 9-12
**Credit:** 1.0
**Description:** Minimum class size of 12 *Prerequisite: B average in Spanish II
This course reviews some major grammatical concepts from level 2 and continues with advanced grammar structures. The course is also a cultural/historical survey of the Spanish speaking world. Target language reading articles exploring culture, history, and literature are included to bridge the gap between lower and more advanced levels of Spanish. Admission to this course requires the approval of the teacher.
MODERN & CLASSICAL LANGUAGES

COURSE TITLE: SPANISH III (HONORS)
GRADE: 9-12
CREDIT: 1.0

DESCRIPTION: Minimum class size of 12. *Prerequisite: high B average in Honors Spanish II or a high A average in Spanish II

This course is the same as Spanish III but on an accelerated scale. In addition to grammar study, time is spent on the use of the language in oral and written communication. Readings taken from Spanish literature serve as a basis for vocabulary development, cultural awareness and class discussion. The class is conducted in Spanish. Admission to this course requires approval of the teacher.

MODERN & CLASSICAL LANGUAGES

COURSE TITLE: SPANISH IV (HONORS)
GRADE: 9-12
CREDIT: 1.0

DESCRIPTION: Minimum class size of 12. *Prerequisite: B average in Spanish III

This course provides practice in using Spanish in reading, writing and speaking. Hispanic literature will be studied and discussed. The class is conducted in Spanish. Admission to this course requires the approval of the teacher.

MODERN & CLASSICAL LANGUAGES

COURSE TITLE: INTERNATIONAL BACCALAUREATE (IB) SPANISH (SL) YEAR TWO
GRADE: 12
CREDIT: 1.0

DESCRIPTION: Minimum class size of 12. *Prerequisite: 95% Reg./88% Honors Spanish II, III, IV

The Spanish B SL course is a two-year course, taken during 11th and 12th grades, with summer enrichment assignments prior to the beginning of the course. Admission to this course requires the approval of the teacher, and, depending on the number of prior years of study, may require additional independent work on the part of the student. Throughout the two years, students will refine their ability to communicate and understand Spanish in written and spoken forms. During the first year, students are introduced to the 3 core topics required by IB: Communication and media; Social relationships; Global issues, as well as 2 options: Customs and traditions and Science and technology. These topics are integrated into the curriculum during both years through the use of authentic materials, textual readings and classroom discussions. Students receive extensive practice in writing and speaking Spanish for a variety of purposes, with the ultimate goal of using the language accurately, fluently and in a manner appropriate to cultural and social context. In order to earn IB credit, students must complete internal and external written and oral assessments during the second year of the course.

COLLEGE CREDIT PLUS (CCP)

COURSE TITLE: MEDICAL TERMINOLOGY
GRADE: 7-12
CREDIT: 3 College Credits/1 Carnegie Unit

DESCRIPTION: Minimum class size 20. Students who participate in CCP on-NDA campus Early College Options, must attend a Mandatory Student and Parent Meeting in March and complete the Intent to Participate form before April 1st. Students must also attend all application and registration sessions. Students must also be approved by ODE in order to take this course free of charge. This course delves into critical vocabulary used widely in the medical field. Students working or volunteering in medical settings and students who plan to have a career in the medical field are encouraged to take this course. This course is may be taught as a partial hybrid blended class by an Owens Community College Professor. Students who are enrolled in this class must reserve Blocks 1 & 5 in their schedule.
College Credit Plus (CCP)

Course Title: 21st Century STEM Careers
Grade: 7-12
Credit: 3 College Credits/1 Carnegie Unit

Description: Minimum class size 20. Students who participate in CCP on-NDA campus early college options, must attend a Mandatory Student and Parent Meeting and complete the Intent to Participate form before April 1st. Students must also attend all application and registration sessions. This course delves into a variety of careers that fall into the high growth industries of Science, Technology, Engineering and Mathematics. This course may be taught as a partial hybrid blended class by an Owens Community College Professor. Students who are enrolled in this class must reserve Blocks 1 & 5 in their schedule.

Please Note: Some courses have minimum enrollment requirements in order to run.

Service Learning Requirement: 20 Hours
(At a location of the student’s choosing)
**Honors (H)**

In **Honors (H)** courses, students move at a faster pace, study concepts on a deeper level, spend little time on review, and may have more homework requirements than students in regular College Prep courses. Students who take Honors courses receive a weighted .5 credit that is applied to their G.P.A.

NDA offers the following **Honors** courses:

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<th>Language Arts</th>
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<th>Fine &amp; Performing Arts</th>
<th>Foreign Language</th>
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<td>English I Honors</td>
<td>Math I Honors</td>
<td>Art III Honors</td>
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<td>Biology I Honors</td>
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<td>English II Honors</td>
<td>Math II Honors</td>
<td>Art IV Honors</td>
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<td>English III Honors</td>
<td>Math III Honors</td>
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<td>Chinese III Honors</td>
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Advanced Placement (AP) courses are college-level classes that a student can take in high school. These courses are rigorous in that they are in fact, college courses that move at a faster pace and require more homework than regular College Preparatory and Honors courses. AP courses are year-long courses that conclude with tests given in the spring. Students who are enrolled in an AP course are required to take the corresponding AP content exam given in April. Although college credit may be earned by scoring a 3 or higher on the AP Test, not all colleges grant college credit for AP courses. Students who take Advanced Placement (AP) courses receive a weighted 1.0 credit that is applied to their G.P.A.

NDA offers the following Advanced Placement (AP) courses:

**Language Arts**
- AP English

**Math**
- AP Calculus AB
- AP Calculus BC

**Fine & Performing Arts**
- AP Art History
- AP Music Theory

**Science**
- AP Biology II
- AP Chemistry II
- AP Environmental Science

**Social Studies**
- AP United States History
- AP United States Government & Politics
- AP Psychology

(Independent Study)
**International Baccalaureate (IB)**

**International Baccalaureate (IB)** courses are college-level content in high school classes offered on the NDA campus. They offer students the ability to cultivate a more holistic approach and outlook to viewing content from a global perspective while performing advanced tasks of research, inquiry, creativity, and writing. IB courses are rigorous and require students to study content in great detail. IB courses also move at a faster pace and require more homework than regular College Preparatory, Honors (H) and Advanced Placement (AP) courses. In order to be eligible to receive college credit, students must receive a score of a 4 or higher on the end of course exam paper. Colleges accept IB scores and also award college credit. In some cases, more college credit is awarded for IB courses than AP courses. IB is viewed favorably by colleges particularly when applying to selective schools. Students who take International Baccalaureate (IB) courses receive a weighted 1.0 credit that is applied to their G.P.A.

Notre Dame offers the following **International Baccalaureate (IB)** courses for grades 11-12:

**Language Arts (Group 1)**
- English HL

**Language Acquisition (Group 2)**
- Chinese SL
- French SL, HL
- Latin SL, HL
- Spanish SL

**Individuals & Societies (Group 3)**
- History of the Americas HL

**Business**
- Business Management SL

**Sciences (Group 4)**
- Biology HL
- Physics SL, HL

**Mathematics (Group 5)**
- Mathematical Studies SL
- Mathematics SL

**The Arts (Group 6)**
- Music SL, HL
- Theatre Arts SL, HL
- Visual Arts SL, HL

**Diploma Candidates**
- Creativity, Action, Service
- Extended Essay
- Theory of Knowledge

**On-line Courses:**
- Business and Management SL, HL
- Chinese (Ab Initio) SL
- Economic SL, HL
- French (Ab Initio) SL
- Film SL
- Information Technology in a Global Society SL, HL
- Mathematics HL
- Philosophy SL
- Psychology SL, HL
- Spanish (Ab Initio) SL
College Credit Plus (CCP)

**College Credit Plus (CCP)** is a program sponsored by the state of Ohio for high school students who are U.S. Citizens and **OHIO RESIDENTS** in grades 7-12. Through the CCP program, NDA students are permitted to apply for participation in early college course options by taking coursework from colleges located within a 30-mile radius of the NDA campus.

Notre Dame Academy partners with the University of Toledo and Owens Community College to provide the majority of CCP courses. However, students do take courses from other higher educational providers in the Northwest Ohio region.

Students who wish to participate in College Credit Plus (CCP) early college options must attend a mandatory student & parent meeting in March and complete an Intent to Participate form. The Intent to Participate form must be submitted to Mrs. Desmond no later than April 1st. Students are also responsible for creating a SAFE Account through the Ohio Department of Education and must complete all accompanying application forms, attend meetings and registration training sessions. Additionally, students are subject to admission guidelines established by each participating college or university. **Failure to meet deadlines will disqualify any student from participating in the CCP program.**

Students who opt to take CCP courses are encouraged to take **100% asynchronous online courses** that occur during the school day to allow students maximum flexibility with their scheduling needs, but also allow them the benefit of enjoying their high school experience. Students’ grades are weighted 1.0 and applied to their G.P.A. if students submit an approved Credit Flex form and meet outlined criteria.

College Credit Plus participation and course selections are not guaranteed. For more information and possible pathways, please access the NDA CCP Handbook available at [www.nda.org](http://www.nda.org).
CCP Courses NDA Students Have Taken

- Business Principles
- Marketing Principles
- Criminal Justice
- Medical Terminology
- Managing a Global Economy
- Business Keyboarding
- Public Presentations
- Scientific Report Writing
- Sociology
- Philosophy
- Psychology
- Anthropology
- Astronomy
- Linear Algebra
- Contemporary Moral Problems
- Social Welfare
- Exercise Science
- Health
- Health & Nutrition
- Spanish I, II, III
- Computer Applications
- Micro Computer Applications
- Beginning Adobe Photoshop
- Adobe In-Design Desktop Publisher

On-NDA Campus CCP Courses:
- Medical Terminology
- Intro to Stem Careers

*Course options are specific to the interests of each student
Pre-Professional Career Exploration Courses

Pre-Professional Career Exploration Courses: Students are encouraged to complete graduation requirements in the core subjects the first two years at NDA. Notre Dame Academy offers Pre-Professional Courses for a variety of career-based electives that are available for students interested in exploring possible career tracks in greater depth. All students are required to complete additional Career Non-Course Curriculum Requirements. (See pg. 126)

Notre Dame offers the following Pre-Professional courses:

**Pre-Vet/Pre-Medicine/Pre-Dentistry**
- IB Biology HL
- Anatomy/Physiology
- Comparative Animal Physiology
- IB Physics SL/HL
- Organic Chemistry
- AP/IB Psychology
- Medical Terminology

**Pre-Pharmacy**
- Chemistry
- Organic Chemistry
- IB Biology HL
- Anatomy
- AP/IB Psychology
- Medical Terminology

**Pre-Physical Therapy**
- IB Biology HL
- Anatomy
- Movement Science
- AP/IB Psychology
- Medical Terminology

**Pre-Law**
- Intro to Law
- AP Government & Politics
- Contemporary Global Studies
- IB English HL
- IB History of the Americas HL
- AP/IB Psychology
- Speech & Drama (Advanced & Competitive)
- Statistics & Probability

**Pre-Forensic Science**
- Anatomy (Forensic Unit)
- IB Biology HL
- AP/IB Psychology
- Intro to S.T.E.M. Careers
- Statistics & Probability

**Pre-Engineering**
- Engineering (Honors)
- IB Physics HL/SL
- IB Mathematics HL/SL
- Pre-Calculus
- AP Calculus AB/BC
- Robotics & Innovation
- Organic Chemistry
- Intro to STEM Careers

**Pre-Business/Marketing/Management**
- Business Essentials
- IB Business Management SL (Marketing Unit)
- Accounting I, II
- Intro to Law
- AP/IB Psychology
- Statistics & Probability
- Computer Applications
- Web Design & Coding
- IB English HL

**Pre-Accounting/Finance**
- Accounting I, II
- Personal Finance
- Economics
- Intro to S.T.E.M. Careers
- IB Mathematics SL/HL

**Pre-Audio/Visual Communications Technology**
- Computer Apps
- Music Technology I, II
- IB Visual Art
- IB English (HL)
- Art I, II
- Intro to S.T.E.M. Careers
- Web Design & Coding
- Athletics Videography/Editing
- Digital Photography
- Journalism (Broadcast, Newspaper, Yearbook)
- Engineering (Honors)
- Robotics & Innovation (Honors)

**Pre-Graphic Design**
- Art I, II, III
- Graphic Design I, II
- Digital Photography
- Web Design & Coding
- IB Visual Arts (SL/HL)
# Career Curriculum & Non-Course Requirements

## Grade 7
- Junior Achievement: Economics for Success
- Career Cluster Exploration
- Introduction to Naviance
- Career Week: Two Guest Speakers
- Dine & Do

## Grade 8
- Junior Achievement: It's My Future
- Career Cluster Exploration
- Naviance: Strengths Explorer Assessment & Presentation
- Career Week: Two Guest Speakers
- Dine & Do

## Grade 9
- Naviance Tutorial: Search, Career Clusters
- Naviance: Learning Style Assessment & Presentation
- Professional Skills Lab
- Career Week: 30 Guest Speakers
- Dine & Do

## Grade 10
- Naviance Career Search
- Naviance: Do What You Are Personality Assessment & Presentation
- Professional Skills Lab
- Career Week: 30 Guest Speakers
- Dine & Do

## Grade 11
- Naviance Search Holland Code
- Naviance Interest Survey
- Research Career Facts Form
- Holland Code Analysis & Interpretation
- Professional Skills Lab
- Career Week: 30 Guest Speakers
- Career Week: The Art of Writing a Cover Letter
- Dine & Do

## Grade 12
- Senior Project (36 Hours of Career Shadowing)
- Senior Project Research & Professional Documents
- Professional Skills Lab
- Linked In Profile Training
- Career Week: 30 Guest Speakers
- Career Week: Career Fair
- Career Week: Interview Simulation
- Business Dining Etiquette Workshop & Networking Bootcamp
- Dine & Do
CAREER OFFERINGS
(& NON-COURSE REQUIREMENTS)

Notre Dame Academy is proud to be the only high school in Northwest Ohio to have a dedicated Career Counselor. At NDA, all students in grades 7-12 meet with the Career Counselor at least once a year to complete and discuss incremental steps that help them to discern the right career path. (Seniors meet with the Career Counselor 3-4 times over the course of their senior year.)

Professional Skills Lab: At the Professional Skills Lab, students come before school on PLC Wednesdays from 7:30 to 8:45 am and receive assistance from the Career Counselor with the following services:

- Resume Building/ Writing
- Drafting Cover Letters
- Interviewing Skills
- Networking & Etiquette Strategies
- Creating and Maintaining a Linked In Profile *(mandatory for all seniors)
- Assistance with Completing Job Applications
- Job/Intern Searches
- Naviance Navigation and Research

Naviance College & Career Planning Software: All students at Notre Dame Academy receive access to and log-in credentials to Naviance software. Students are required to complete grade level and developmentally appropriate assessments, complete research and receive instruction in content. Students meet with the Career Counselor to interpret their results.

Grade 8-Strengths Explorer (Talent) Assessment
Grade 9- Learning Style Assessment
Grade 10-Personality Assessment
Grade 11-Career Interest Survey

*Dine & Do’s: At Notre Dame, all students in grades 7-12 are invited to attend free luncheons where guest speakers come and dialogue with students in a small group setting. While the students Dine, speakers share exactly what it is that they Do for a career. Speakers provide students with great insight on particular steps that they took to get to where they are today, provide research such as necessary education, average salary and the occupational outlook, in addition to information about what is trending in the work place. Moreover, students are able to have candid discussions with presenters and direct questions to real professionals while on the NDA campus.

Career Week: Each year, Notre Dame plans an exciting and engaging Career Week for the students. The week commences with a theme and surprise “kick-off” video that inspires the students to reflect thoughtfully about their future. Then over 30 renowned professionals who represent various industries from throughout the Toledo area come
and present specific criteria about their personal journey to professional advancement. They detail specifics about their daily duties and provide data about income potential and the occupational outlook for their field. Finally, visiting speakers provide valuable advice about the importance of perseverance, networking, follow through and other vital soft skills that will enable students to advance in the working world as authentic Women of Vision.

Career Week ends with interactive activities where students put what they have learned into practice. Activities are based on professional skills and are broken down by grade level:

**Grade 9** – How to Build a Resume
**Grade 10** – The Art of Writing a Cover Letter
**Grade 11** – Interview Simulation
**Grade 12** – Business Dining Etiquette and Networking Boot Camp

**Career Fair:** Notre Dame hosts a College of Study Fair and Career Fair annually on a rotational basis. Every other year representatives from Colleges of Study from neighboring colleges and universities are invited to showcase their majors and fields of study. Representatives are asked to share with student’s information such as program specific scholarships, types of careers that people pursue with a given degree, anticipated income potential and the names of organizations who hire their graduates. Schools of study are also asked to provide statistical data about the occupational outlook for careers in a given field.

Every other year, Notre Dame invites those Companies who hire college graduates to attend the Career Fair. Companies are asked to identify the number one technical and soft skill that they deem as being an asset. They are also asked to identify certifications/licenses and degrees that they recommend for a 21st Century Professional. Companies are also asked to comment on things that are trending in the workplace and provide information about anticipated openings in fields along with strategies for students on how to differentiate themselves as prospective hires.

**Networking Opportunities**
An Evening of Engineering (every other year w/St. Francis)
An Evening of Medicine (every other year w/ St. Francis)
UT Engineering Symposium
UT Accounting Symposium
UT Law Symposium
BGSU Midwest Pre-Health (Medical) Symposium

**Senior Project** is the capstone project that provides NDA students the opportunity to **shadow 1 to 3 careers of their choice for a total of 36 hours.** Seniors complete research and secure the scheduling of the location, dates and times for the shadowing experience. Shadow site sponsors complete a contract and evaluation of the student’s performance. Students reflect upon their experiences and complete a journal documenting their participation and share the finished product with their fellow students in dynamic groupings. All seniors (except full diploma IB students) are required to complete a Senior Project as part of their high school graduation requirement at NDA. The Senior Project generally is completed in the 3rd week of May;
although, some students complete the project as early as the summer of their junior year.

**Linked In Profile:** Notre Dame Academy Seniors receive instruction and attend a training session in which they learn about the essential digital Professional Networking platform known as Linked In. In the training, seniors learn:

- What a Linked-In Profile is
- Why having an account is an essential tool for any 21st Century Professional
- The anatomy of a Linked In Profile
- How to create an Account

*Career Exploration Experience:* Each summer, the Career Counselor takes a group of students out into the community to sample a variety of career pathways. Students complete assessments, conduct research, investigate companies and view real professionals in their actual work environment. This is a program that is highly recommended for students who are undecided in their career aspirations.

*Internship, Work & Volunteer Opportunities* (see list @ [www.nda.org](http://www.nda.org))

*Summer Career Enrichment Opportunities* (see list @ [www.nda.org](http://www.nda.org))

*Indicate optional career opportunities*
**Courses by Subject (Index)**

**Business**

**Accounting I**  
(Grades 10-12)  
Students must be sufficiently competent in basic math skills. Emphasis is placed on basic principles of accounting as applied to a sole proprietorship, a partnership, and a corporation. Through the use of automated accounting and presentation programs, students use technology for analysis, problem solving and other business situations. A unit on taxes and checking accounts is included if time allows. (.50 credit)

**Accounting II**  
(Grades 10-12)  
*Prerequisite: Accounting I*  
This secondary course provides the students with a solid foundation in accounting principles and procedures, which are essential for those who wish to pursue accounting as a career. Emphasis is placed on payroll, corporate accounting, business simulations, and computer applications. (.50 credit)

**Business Essentials**  
(Grades 10-12)  
This semester course will introduce students to contemporary business essentials by covering principles of business marketing and management, characteristics/nature of businesses, entrepreneurship and career opportunities in Business. Students will explore ethics from a managerial approach and learn how ethics and business go together. Students will also research socially responsible businesses and see what characteristics should be present. (.50 credit)

**IB Business & Management (SL)**  
(Year One)  
(Grade 11)  
The business management course is designed to develop students’ knowledge and understanding of business management theories, as well as their ability to apply a range of tools and techniques. Students learn to analyze, discuss and evaluate business activities at local, national and international levels. The course covers a range of organizations from all sectors, as well as the socio-cultural and economic contexts in which those organizations operate. (1.0 credit)

**IB Business & Management (SL)**  
(Year Two)  
(Grade 12)  
The business management course is designed to develop students’ knowledge and understanding of business management theories, as well as their ability to apply a range of tools and techniques. Students learn to analyze, discuss and evaluate business activities at local, national and international levels.

**Intro to Law**  
(Grades 11-12)  
*Prerequisite: Accounting I*  
This secondary course provides the students with a solid foundation in accounting principles and procedures, which are essential for those who wish to pursue accounting as a career. Emphasis is placed on payroll, corporate accounting, business simulations, and computer applications. (.50 credit)

**Financial Literacy**

**Financial Literacy**  
(Grades 9-12)  
This 30-hour online course about financial responsibility and money management will be completed independently by students. Material covered will include: employment decisions, understanding earning statements and employment documents, banking decisions (e.g. savings, checking, debit accounts and loans), investment options and the cost and benefits of these options, and risk management (strategies to protect your personal assets). This is a Pass/Fail course. (.25 credit)

**Personal Finance**  
(Grades 11-12)  
This course, offered to Juniors and Seniors, will include an overview of preparing a personal budget, managing a checking account, calculating interest, credit/debit card use, finance charges, insurance, taxes, savings accounts, renting vs. owning, mortgages and loans, investing money and careers in money management. (.50 credit)

**Fine/Performing Arts**

**Music**

**Beginning Strings**  
(Grades 7-8 NDJA)  
Students will learn how to play a string instrument in a group setting during this semester class. As an ensemble, students will learn how to read music and explore string techniques on violin, viola, cello, or bass. Music appreciation, practice skills, and basic musicianship will be discussed. Students will perform in a concert at the end of the semester. No music experience necessary. Instruments may be the student’s own, rented, or provided by the school. Can be repeated for credit. (.50 credit)

**Orchestra**  
(Grades 7-8 NDJA)  
*Prerequisite: previous music experience or two semesters of Beginning Strings*  
This class is for students who already know how to play a musical instrument, have an interest in ensemble playing, and want to strengthen their musical skills. Students will work on basic musicianship skills to become more confident on their instrument. Practice technique, scales, and tuning will also be taught. The ensemble will perform in a short concert at the end of the semester. All instruments are welcome! Instruments may be the student’s own, rented, or provided by the school. (.50 credit)

**Orchestra I, II, III, IV**  
(Grades 9-12)  
Orchestra provides students with previous musical training an opportunity to grow in their musicianship and performance skills. Students will perform in at least two school concerts, as well as optional outside competitions and ensembles. Classes will focus on improvement of basic musical skills and technique in a group setting. Students will also learn the basics of independent practice. All instruments are welcome! This group will explore a wide range of
musical styles from Baroque to Contemporary. Each student is required to either own her instrument or rent an instrument. (.10 credit)

**ORCHESTRA HONORS**

(Grades 9-12) This ensemble is for students who are confident in their playing abilities and are able to perform at a higher musical level. Class will focus on ensemble playing and improvement of basic musical technique and skills in a group setting. Students will continue to develop independent practice skills. The repertoire will explore a wide range of musical styles from Baroque to Contemporary. Performance opportunities include at least two school concerts, chamber groups, musical pit, and outside competitions. All instruments are welcome! Students are required to own or rent their instrument. Faculty signature and/or audition required. (.10 credit)

**CHOIR**

(Grades 7-9 NDJA) Students will learn and perform a variety of vocal literature from Broadway and A Cappella to Classical in this semester class. Students will learn the basics of harmony and music reading and have the opportunity to participate community and school performances and competitions. No experience necessary. This class is repeatable for credit. (.50 credit)

**CHORUS I, II, III, IV**

(Grade 9-12) Learn how to sing, read music, and polish your performance skills. Students will participate in four school concerts in addition to contests, workshops, and assemblies. More advanced students will be given special performance opportunities in small ensembles. Solo and group coaching is available to all choral students. Literature includes sacred and secular choral classics, world music, vocal jazz, barbershop, standards and musical theatre. Participants must be available for outside rehearsals, workshops and performances. Additional small group experiences are available including the Key of She and other a cappella groups. (.10 credit)

**VOICE CLASS**

(Grades 9-12) Students enrolled in voice class will learn vocal technique through the performance and study of classical literature, jazz, and musical theatre. Music history, performance practice and stage techniques will be incorporated into the curriculum. Students will participate in a recital and stage scenes from musical theatre productions as well as learn to identify common vocal problems. Outside performances are available, but optional. No experience necessary. (.50 credit)

**ADVANCED VOICE CLASS**

(Grades 9-12) *Prerequisite: Voice Class or Instructor Permission* Advanced Voice is a continuation of the material learned in the beginning voice class. Special emphasis will be given to performing and audition techniques. Singers will be expected to give additional performances in this class. Outside performances are available, but optional. (.50 credit)

**MUSIC COMPOSITION I**

(Grades 9-12) This course is designed for students with little or no previous musical training. The class begins with the basics of notation, note and rhythm reading, and key relationships. Throughout the semester, the class will work on a variety of projects including how to write melodies, harmonization exercises, and creating different musical textures. Students will also listen to music from different styles and time periods. (.50 credit)

**MUSIC COMPOSITION II**

(Grades 9-12) *Prerequisite: Music Composition I* This course is a continuation of Music Composition I. Students will compose more advanced compositions and hone their notation skills. Basic skills will be reviewed, while more advanced projects will be given (such as string quartet, art songs, unaccompanied solos, and arranging projects). Students will also build on the listening skills they previously learned. (.50 credit)

**MUSIC COMPOSITION III**

(Grades 9-12) *Prerequisite: Music Composition I & II* This course builds on skills learned in Music Composition II. Students will build their composition portfolio with pieces for larger ensembles and more advanced techniques. This course can be repeated for credit. (.50 credit)

**AP MUSIC THEORY**

(Grades 11-12) Minimum class size of 4 The goal of this course is to develop a student’s ability to recognize, understand, and describe the basic materials and processes of music that are both heard and read in a score. Students will learn the fundamentals of music, such as intervals, scales, keys, chords, metric organization, and the terminology to go with it. They will also go deeper by analyzing chords and form. An emphasis is also placed on aural skills such as melodic dictation, sight-singing, and contextual listening. Students must be able to read music to take this class. Students are required to take the AP test for college credit. (.10 credit)

**IB MUSIC (SL)**

YEAR ONE

(Grade 11) Minimum class size of 12 *Pre-Requisite is one of the following: Choir, Orchestra, Music Composition or Music Technology, applied instrumental or voice lessons* IB Music is a two-year course. There are two major components to this class. Students will listen and analyze music from all across the world and throughout history, making connections across genres, cultures, and time. An in-depth listening investigative paper that compares two pieces from different cultures will be completed at the end of Year Two. Prior experience reading music recommended. Students will also choose one of four options to assess real-life music creativity: electronic music composition, acoustic music composition, solo performance, or group performance. (.10 credit)

**IB MUSIC (SL)**

YEAR TWO

(Grade 12) Minimum class size of 12 *Pre-Requisite is one of the following: Choir, Orchestra, Music Composition or Music Technology, applied instrumental or voice lessons* IB Music is a two-year course. There are two major components to this class. Students will listen and analyze music from all across the world and throughout history, making connections across genres,
This advanced course completes the four-year major and includes advanced 2 dimensional, 3 dimensional, mixed media and art history. Creating a portfolio for scholarship or acceptance in a university is included. (1.0 credit)

**AP ART HISTORY**
(Grades 10-12)
*Prerequisites: Signature of History and English Teacher*
The AP Art History course is equivalent to a two-semester introductory college course that explores topics such as the nature of art, art making, and responses to art. By investigating a specific image set of 250 works of art characterized by diverse artistic traditions from prehistory to the present, the course fosters in-depth, holistic understanding of the history of art from a global perspective. Students become active participants in the global art world, engaging with its forms and content, as they experience, research, discuss, read, and write about art, artists, art making, and responses to and interpretations of art. Students are required to take the AP test for college credit. (1.0 credit)

**IB VISUAL ARTS SL/HL**

**YEAR ONE**
(Grades 11)
*Prerequisite: Art I and Art II, 88% or above*
Visual Arts SL & HL are designed to provide students of various art interests and abilities with opportunities to develop their aesthetic, imaginative, and creative faculties in a global context. Rather than focusing on the production of art alone, the program also emphasizes critical thinking, intercultural understanding, and exposure to a variety of points of view. Through Visual Arts SL and HL, students center their artistic development around an Investigation Workbook which serves as a personal record of the evolution of their aesthetic, imaginative, and creative journey. Students develop skills of organization, critical thinking, time management, collaboration, reflection and life-long learning/ownership of learning. The course encourages individual experimentation and persistent endeavor. (1.0 credit)

**YEAR TWO**
(Grade 12)
*Prerequisite: year one IB Visual Arts SL/HL*
Visual Arts SL & HL are designed to provide students of various art
interests and abilities with opportunities to develop their aesthetic, imaginative, and creative faculties in a global context. Rather than focusing on the production of art alone, the program also emphasizes critical thinking, intercultural understanding, and exposure to a variety of points of view. Through Visual Arts SL and HL students center their artistic development around an Investigation Workbook which serves as a personal record of the evolution of their aesthetic, imaginative, and creative journey. Students develop skills of organization, critical thinking, time management, collaboration, reflection and life-long learning/ownership of learning. The course encourages individual experimentation and persistent endeavor. (.50 credit)

THREE-DIMENSIONAL ART
(Grades 8-12)
*Prerequisite: Introduction to Visual Arts
This is a hands-on class where students will learn the basic principles of making sculpture and ceramics. This course may be combined with another fine/performing arts semester to fulfill the fine/performing arts credit. (.50 credit)

GRAPHIC DESIGN I
(Grades 10-12)
*Prerequisites/Co-requisites: Art I and Computer Applications I or II
This course offers the basic concepts of design and photo-editing with hands-on and digital projects. Students will use Adobe Photoshop and the Wacom tablet to enhance existing graphics and create their own digital artworks. Students will explore the evolution of design movements and designers who have impacted the field of graphic design. (.50 credit)

GRAPHIC DESIGN II
(Grades 11-12)
*Prerequisites: Art I and Computer Applications I or II (as a pre or co-require); minimum of 6 students
This course offers the advanced concepts of design and photo-editing with hands-on and digital projects. Students will use Adobe Photoshop and the Wacom tablet to enhance existing graphics and create their own digital artworks. Students will explore the evolution of design movements and designers who have impacted the field of graphic design. (.50 credit)

DIGITAL PHOTOGRAPHY
(Grades 10-12)
*Pre-requisite: Art I
This course will explore digital photography. Topics covered are history, composition, lighting, camera function, and special techniques including manipulation with software. Students will need to provide their own digital camera for this course. (.50 credit)

FINE/PERFORMING ARTS
(SPEECH & DRAMA)
EXPLORATORY SPEECH & DRAMA
(Grades 7-8 NDJA)
In this semester class, students will learn the basics of movement and speech through a variety of in class performances. (.50 credit)

PLAY PRODUCTION
(Grades 7-8 NDJA)
*Pre-requisite: Exploratory Speech and Drama
Play Production is a continuation of the skills and concepts learned in exploratory speech and drama. The class culminates with a public performance of a student produced play. Students must be available for an evening performance at the end of the semester. (.50 credit)

SPEECH & DRAMA 51
(Grades 9-12)
This one semester class will give students techniques to deal with stage fright and public speaking and acting fundamentals. Students will write and deliver a variety of speeches. They will study theater history and poems, monologues and scenes from plays for oral interpretation and acting. The class will be structured so that students will be given ample and varied experiences in speaking and acting in a non-threatening atmosphere. (.50 credit)

SPEECH & DRAMA 52
(Grades 9-12)
*Prerequisite: Speech/Drama I
This class will offer course work in speaking, acting, theatre history, media analysis, and use of technology for speeches. It will continue the course work offered in Speech & Drama Semester 1. Students who complete both semesters of Speech & Drama I will be able to go into Advanced Drama or IB Theatre (with teacher signature). (.50 credit)

SPEECH & DRAMA
(Grades 9-12)
This course is designed to give students a broad base in communication skills and theater arts. Course work includes communication theory, public speaking, media analysis, choral reading, oral interpretation, storytelling, improvisational and prepared acting experiences, and theatre history. Students will get maximum possible experience in both extemporaneous and prepared speaking and acting situations in a non-threatening atmosphere. (1.0 credit)

ADVANCED SPEECH & DRAMA I
(Grades 10-12)
*Prerequisite: Speech & Drama I
Students will continue a more advanced study of acting techniques with the emphasis on the production of full length plays. The students will all assume roles in at least one full-length production. Students will also participate in writing scripts for performance. Students will also participate either in full-length or shorter length plays performed for a variety of grade schools. Students will be given opportunities to direct other students in scene work. Students will be encouraged to work independently to learn to create, plan, and produce their ideas in different media. Students will prepare projects to study acting techniques and theater history in greater depth. (1.0 credit)

ADVANCED SPEECH & DRAMA II
(Grades 11-12)
*Prerequisite: Advanced Drama I or special permission of the Instructor.
This course is a continuation of Advanced Drama I and is taken in conjunction with Advanced Drama I. The projects and plays chosen are done in two year cycles so that different opportunities and areas of concentration are chosen each year, so that by taking both courses, students become familiar with a greater array of acting styles, acting theory, and theatre history. (1.0 credit)

COMPETITIVE SPEECH & DRAMA
(Grades 10-12)
*Prerequisite: Either Speech & Drama I or at least one season of Speech Team Competition (must be approved by Mrs. Sanders).
This is a year-long course (it is possible to take just one semester—but that should be first semester.) The course may be taken in conjunction with competition on
Speech Team, but only one tournament each semester will be mandatory. This course will offer students opportunities to grow proficient in a variety of presentation styles. The course will cover: Dramatic, Humorous, Oratorical, and Duo Interp, Prose-Poetry, Improptu, Extemp, Congress, and Debate. Students will work with their teacher to “specialize” in different areas of competition while gaining experience in all. Students will also participate in a variety of other competitive speech contests—such as The Voice of Democracy Speech Contest, The Shakespeare Competition, The Flower Hospital Speech Contest, and the American Legion Speech Contest. It is a great opportunity for students to hone presentation skills that will serve them throughout life. (1.0 credit)

IB THEATRE ARTS (SL/HL) YEAR ONE
(Grades 11)
*Prerequisite: Speech & Drama I, 88% or above; Recommended: Competitive Speaking & Acting
Students will play multiple roles—actor, director, playwright, puppeteer, dramaturge, designer and more—as we study and perform theatre practices from around the world and throughout time. This is a class that creates theatre, studies theatre, and allows students to reflect what it is to be a dramatic artist as well as an informed, critical observer of theatre. Students will perform the work of famous playwrights and create and perform their own plays. An important part of the class, will be actually attending plays and musicals both with the class and independently. (1.0 credit)

IB THEATRE ARTS (SL/HL) YEAR TWO
(Grade 12)
*Prerequisite: year one IB Theatre Arts SL
Students will continue studies from IB Theatre Arts I, but the main focus will be on synthesis of material. This will include preparation for all IB Assessments. Focus will be on independent work including the IB Independent Project, as well as a continued emphasis on seeing and critiquing theatre both during class and outside of class. (1.0 credit)

GENERAL ELECTIVES

ACT PREP
(Grades 10-12)
This class is recommended for students preparing for the ACT.

The three primary goals of this course are: (1) To prepare students for the ACT, (2) To develop test-taking strategies to apply to future tests, and (3) To enhance logic ability, critical thinking, and writing skills necessary for success in college. Students will review all grammar for the English section, all math concepts for the Math section, and test-taking strategies for all four sections. The strategies learned provide students the opportunity to increase ACT confidence & comfort and decrease anxiety. The course is structured around concept lectures, paper & pencil group and individual exercises, full length practice testing and review. (.50 credit)

ATHLETIC VIDEOGRAPHER
(Grades 10-12)
Students will record athletic events and contests under the supervision of the athletic director and athletic coaches. Students will also work with the coaches to edit the recorded video for multiple purposes. Before and after school hours will be required. Full year opportunity. (1.0 credit)

OFFICE ASSISTANT
*Prerequisite: Computer Applications I or II
Students will assist in the Main Office, Admissions Office, and Resource Center with non-confidential clerical tasks. Available as a semester or full year opportunity. (.25 or .50 credit)

TECHNOLOGY ASSISTANT
*Prerequisite: Computer Applications I
Students will assist with a Computer Applications class, aiding the instructor in providing technical support to students and other tasks as assigned. Available as a semester opportunity. (.25 or .50 credit)

PHYSICAL EDUCATION ASSISTANT
(Grades 11-12)
During the third or fourth year, a student may act as an assistant to the instructor in P. E. I and/or P. E. II classes. The student attends class and participates as a leader in all activities. Available as a semester or full year opportunity. (.25 or .50 credit)

PERFORMING ARTS ASSISTANT
(Grades 11-12)
This assistantship provides students the opportunity to assist during a Speech/Drama class, organizing costumes and props, collating and copying written materials and assisting the instructor in other ways. Available as a semester or full year opportunity. (.25 or .50 credit)

MUSIC ASSISTANT
(Grades 11-12)
Students can receive credit for a semester or year serving as an accompanist for the Chorus. Available as a semester or full year opportunity. (.25 or .50 credit)

LINK CREW
(Grade 12)
*Prerequisite: Leader Training and Instructor approval
The purpose of the Link Crew class is to maximize the benefits of the existing Link Crew Program. Link leaders will focus on developing proactive strategies intended to help freshman experience success at Notre Dame Academy. Concepts covered in the Link Crew class will include such areas as: the development of teaching and facilitation skills, ongoing leadership training, communication skills, role modeling and understanding group dynamics. Link leaders will have frequent opportunities to work with designated “crews” of freshmen. (1.0 credit)

HEALTH

HEALTH
(Grades 9-12)
This course is designed as an overview of basic health related topics with emphasis on how these relate to women. Topics include: stress, nutrition, substance abuse, systems of the body, mental health, behavior and emotions, physical fitness, infections and diseases. (.50 credit)

IB DIPLOMA

THEORY OF KNOWLEDGE (TOK)
(Grades 11-12)
I know what I know. But how do I know it? The TOK course will help you answer this question! Get on board to explore such questions as: What counts as knowledge? How does knowledge grow? What are its limits? Who owns knowledge and what is its value? This course aims to develop a fascination with the richness of knowledge as a human endeavor. You will be encouraged to develop an awareness of how knowledge is constructed and to reflect on your experiences as a learner in everyday life. You will learn to make connections between academic disciplines and between thoughts, feelings and actions. Learn to appreciate the diversity of
ways of thinking and ways of living. Take on the responsibilities of being a 'knower'? The Internal Assessment (presentation) and the External Assessment (prescribed title essay) are to be completed senior year. (1.0 credit)

**CREATIVITY, ACTION & SERVICE (CAS)**

CAS is one requirement of the IB full diploma curriculum. The student has two years (junior/senior) to complete the requirements. CAS seeks to help develop a well-rounded student in the areas of Creativity, Action & Service. CAS is based on this quote, "if you believe in something, you must not just think or talk or write, but must act." (Peterson, 2003 – CAS Guide) CAS encourages each student to engage in activities that promote creative thinking through art and other experiences, a healthy lifestyle through physical exertion and service to the community by respecting the rights, dignity and autonomy of others through unpaid and voluntary time. Students are asked to set goals prior to each activity and then reflect on those goals in light of eight learning outcomes.

Service hours for CAS count towards the required NDA service hours. Due to the nature of CAS, it also fulfills the Senior Project requirement. It must be finished before the beginning of May of the student's senior year. This is a pass/fail credit.

**EXTENDED ESSAY (EE)**

The Extended Essay is an externally assessed, in-depth, research-based academic endeavor on a topic of the student’s choice and is compulsory for all diploma candidate students. Although this task is completed independently over the student's Junior and Senior years, students are paired with a faculty mentor who supports the development of critical thinking and communication skills appropriate to the selected field. Culminating in a 4,000 word formally presented and reasoned argument, the Extended Essay showcases the student's mastery of the IB Learner Profile traits, including intellectual risk-taking, balance, and open-mindedness. Internal assignments to guide students through the research and writing process are awarded credit through the Theory of Knowledge (TOK) course.

**LANGUAGE ARTS (ENGLISH)**

**ENGLISH 7** (Grade 7 NDIA)

English 7 aims to develop Students’ writing, reading, and speaking skills. A variety of materials and techniques is used to develop competence in both oral and written communication, including the formation of individual paragraphs and then the five-paragraph essay. In grammar, the parts of speech are a major area of focus. (1.0 credit)

**ENGLISH 8** (Grade 8 NDIA)

English 8 aims to develop students’ writing, reading, and speaking skills. Communication skills are improved through the writing process, and the continued study of grammar and oral expression. The course also includes an independent and a thematic study of literature. (1.0 credit)

**INTEGRATED ENGLISH** (Grade 9)

*Double Block Required*

This course is designed to strengthen the student's basic reading, writing, and speaking skills. A variety of materials and techniques is used to develop a competence in both oral and written communication. The stress in writing is upon clear expression of a single thought in a well-organized paragraph. Admission into this course is by invitation only. (1.0 credit)

**ENGLISH I** (Grade 9)

English I aims to develop communication skills through the writing process, and the continued study of grammar and oral expression. The course also includes a thematic study of literature. (1.0 credit)

**ENGLISH I (HONORS)** (Grade 9)

This is an advanced course of English I. There is emphasis on further development of writing skills, research, and group discussion. The following criteria are the basis for admission to Honors:

1. A 4/5 on writing sample from placement test
2. Scores on HSPT test
3. Recommendation of eighth grade teacher
(1.0 credit)

**ENGLISH II** (Grade 10)

English II will help students work towards mastery of basic reading and writing skills such as reading comprehension, critical thinking, analysis, argumentation, and clear communication. These skills will be studied by reading a variety of texts from short stories, novels, poetry, and drama to "alternative" texts such as film, advertising, and popular music. The year will also focus on helping students become more independent learners so that they are ready for the intensity of reading, writing, and discussion in upper level classes. (1.0 credit)

**ENGLISH II HONORS** (Grade 10)

English I, this course builds competency in literary analysis and formal, analytical writing. The course is designed for the student who desires serious study and who hopes to acquire an appreciation of literary masterpieces and poetry. The major works studied are from canonical British literature. The following criteria are considered for admission to Honors:

1. B average (90%) maintained in Honors English I each semester or a high A (98%) average in English I each semester to move up.
2. Recommendation from English teacher. (1.0 credit)

**ENGLISH III** (Grade 11)

The purpose of this course is to teach students to think critically and creatively and express themselves competently. The writing process is stressed, not only in the research paper but in the shorter writings that lead up to and follow the research paper. A historical approach to American Literature introduces the student to significant American writings and literary genre. In-depth reading of significant caliper is required. (1.0 credit)

**ENGLISH III (HONORS)** (Grade 11)

This course provides practice in all phases of the writing process. Assigned writings include critical analysis, forceful argument, clear exposition, and a comprehensive research paper. Chronological sequence sets the pattern for tracing the literary heritage of America. Specific genre divisions mark the selections and express American thought according to the views of the major American writers. The following criteria are considered for admission to Honors:

1. B average (90%) maintained in Honors English each semester or a 98% in English II each semester to move up.
2. Evidence of class participation.
3. English teacher's recommendation
**ENGLISH IV**  
*(Grade 12)*  
This course offers a panoramic view of world literature. A thematic approach is used. A variety of written and oral experiences provides the tools necessary for articulate communication.  
*(1.0 credit)*

**AP ENGLISH IV**  
*(Grade 12)*  
This course will study major literary periods in Western and world literature through classical and contemporary reading, research, composition, and discussion. Students are required to take the AP test for college credit.  
The following criteria are considered for admission to AP:  
1. An A average in Honors English each year  
2. Recommendation of Junior English teacher  
3. Mandatory essay test for students not recommended by English teacher.  
*(1.0 credit)*

**IB ENGLISH LITERATURE (HL) YEAR ONE**  
*(Grade 11-year one)*  
*Prerequisite: Passing Grade IB English Literature HL*  
This course goes beyond mere reading of texts and explores the language of literature, helping students develop the ability to interpret, analyze, speak, and write about various texts, both prose and poetry, classical and contemporary, written and visual. The first year of the course will strengthen students' skills in close reading and written literary analysis in fiction and nonfiction. It will also spend a semester focusing on world literature, exploring how specific pieces arise from certain time periods and cultures. Major assessments include a 20-minute creative presentation in semester 1 and a 1200-1500-word essay in semester 2.  
*(1.0 credit)*

**IB ENGLISH LITERATURE (HL) YEAR TWO**  
*(Grade 12)*  
*Prerequisite: Passing Grade IB English Literature HL*  
The second year of this two-year course continues to focus on close reading, and takes a thematic approach to texts. This year includes an investigation of the conventions of various genres of literature, with special attention paid to poetry and the novel. Students will prepare for IB assessments through intensive practice in writing and speaking about texts. Assessments include an oral commentary at the end of the first semester and two written exams in May. In order to earn IB credit, students must complete all assessments and take the final IB exams.  
*(1.0 credit)*

**LANGUAGE ARTS (ENGLISH) ELECTIVES**

**CREATIVE WRITING**  
*(Grades 10-12)*  
This course promotes the development of individual voices through the various forms of creative writing, i.e., poetry, short story, essay. It is structured to allow student dominated discussion and critiquing of individual works. Students will not only learn to express themselves better in writing, but also strengthen their analysis, discussion, and critiquing skills. Students also produce the literary magazine.  
*(.50 credit)*

**CULTURE & LITERATURE**  
*(Grades 10-12)*  
What is literature really? How does culture impact writing, and vice versa? This course has been designed to explore the interrelationship between cultural tradition, traditional literature, and modern media. An interdisciplinary approach is taken, and students can expect to explore and analyze: poetry, plays, novels, articles, songs, philosophy, history, television, and film in order to analyze how culture and literary expression intersect.  
*(.50 credit)*

**EXPLORING SHAKESPEARE THROUGH FILM & TEXT**  
*(Grades 10-12)*  
In this course, students conduct a close, textual analysis of major plays in the genres of tragedy and comedy, supported through the incorporation of various film adaptations. Sonnets will also be examined. Student will explore Shakespeare’s treatment of genre, character, dramatic form, and his engagement with issues of politics, poetics, psychology, theology, gender and humanity. Classes will also include analysis of plays’ scripts and exploration of performance elements through student projects.  
*(1.0 credit)*

**EXPLORATORY JOURNALISM**  
*(Grades 7-8 NDIA)*  
Students learn and employ basic journalistic principles in the production of the 7th & 8th grade newspaper. Students will have specific responsibilities to carry out related staff positions, as well as the general responsibility of working with the rest of the staff to produce high quality publications. The majority of class time is devoted to photographing, writing, editing, and production tasks.  
*(.50 credit)*

**JOURNALISM I**  
*(Grades 10-12)*  
Journalism I aims to instill and to develop basic understanding of journalism in print, photography, and broadcast. Students learn the vocabulary and the tools of the field to develop skills in journalistic forms of writing and design for print and broadcast. Also, students will receive computer training with a concentration on the InDesign and PageMaker software. Careers in Journalism and related fields will be explored.  
*(1.0 credit)*

**JOURNALISM II, III**  
*(Newspaper)*  
*(Grades 11-12)*  
*Prerequisites: Journalism I and teacher recommendation*  
Journalism II & III involves the design, research writing, editing and publishing of the school newspaper *The Vista*.  
*(1.0 credit)*

**JOURNALISM II, III**  
*(Yearbook)*  
*(Grades 11-12)*  
*Prerequisites: Journalism I and teacher recommendation*  
Journalism II & III involves the design, research writing, editing and publishing of the school yearbook *The Regina*.  
*(1.0 credit)*

**JOURNALISM II, III**  
*(Broadcast)*  
*(Grades 11-12)*  
*Prerequisites: Journalism I and teacher recommendation*  
Journalism II & III involves the video broadcasting of the daily announcements and any special news programming for the school. In Broadcast, students research, write, videotape, edit, and broadcast the news on WNDJ. Class size is limited.  
*(1.0 credit)*

**MATHEMATICS**  
**MATH FUNDAMENTALS 7**  
*(Grades 7 NDIA)*
This course will prepare students for mastery in the study of algebra and future success in the study of geometry. Math Fundamentals introduces and enhances student’s operative knowledge of integers, decimals, fractions and percentages. Special emphasis is placed on evaluating numerical and algebraic expressions, and writing and solving inequalities and equations. Two and three dimensional geometry and basic data analysis (including graphical representation) are also studied at depth.

**MATH FOUNDATIONS 8**
(Grade 8 NDIA)
*Admission to this course requires department approval or passing a Math Entrance Exam if student is in 7th grade.
Math Foundations builds and enhances algebra and geometry skills necessary for success in the subsequent Math 1 course. Along with deepening prior knowledge, special emphasis is placed upon the study of Real Numbers, equations, percent applications, basic linear functions, geometric measures, statistics and data analysis, and probability. Students are expected to have a solid understanding of operations with decimals, fractions and integers.

**MATH I**
(Grades 8, 9)
This course is for students who have average ability in the basic fundamentals of mathematics. It incorporates study of Number Sense, Algebra, Geometry, and Probability/Statistics. Emphasis will be placed on discovery, communication, problem solving, and connections among math topics.

**MATH I HONORS**
(Grades 8, 9)
*Admission to this course requires department approval.
This course is designed for students who are proficient in the fundamentals of mathematics. It incorporates study of Number Sense, Algebra, Geometry, and Probability/Statistics. Those entering this class should be students who intend to continue in honors math courses.

**MATH II**
(Grades 9-10)
*Admission to this course requires department approval.
This course includes the study of Number Sense, Algebra, Geometry, Trigonometry, Probability/Statistics. This course is open to incoming Freshmen who have studied Algebra for much of their eighth grade year and scored high on the HSPT and an additional Math Placement Test.

**MATH II HONORS**
(Grades 9-10)
*Admission to this course requires department approval.
This course includes study of Number Sense, Algebra, Geometry, Trigonometry, Probability/Statistics. This course is also open to incoming Freshmen who have mastered Algebra for much of their eighth grade year and scored high on the HSPT and an additional Math Placement Test.

**MATH III**
(Grades 10-11)
*Prerequisite: Math II
This course is a continuation of the Math II course and includes study of Algebra, Geometry, Trigonometry, and Probability/Statistics.

**MATH III HONORS**
(Grades 10-11)
*Prerequisite: Math II and department approval.
This course is a rigorous continuation of the Honors Math II course. It includes study of Algebra, Geometry, Trigonometry, and Probability/Statistics.

**MATH IV**
(Grades 11-12)
*Prerequisite: Math III
This course involves a continuation of the study of algebra, Geometry, Functions and Trigonometry. In addition, new material on Set Theory, Number Theory, Logic and Statistics are included.

**PRE-CALCULUS HONORS**
(Grades 11-12)
*Prerequisite: Math III (H) and department approval.
This course continues an in-depth study of Functions and Trigonometry as well as an introduction to Limits, the Derivative, and their applications.

**AP CALCULUS AB**
(Grades 11-12)
*Prerequisite: Pre-Calculus (Honors) and department approval.
AP Calculus is open to juniors; seniors can take this course only if they plan on taking a college-level Calculus course. The AP Calculus AB curriculum is followed which includes concepts of Limits, Derivatives, and integrals. Students are required to take the AP test for college credit.

**AP CALCULUS BC**
(Grade 11-12)
*Prerequisite: AP Calculus AB
This course considers further techniques of integration, infinite series, and the calculus of polar, vector and parametric functions. Students are required to take the AP test for college credit.

**STATISTICS & PROBABILITY**
(Grades 11-12)
*Prerequisite: Math III or department approval.
This course is designed to give the student the skills necessary to make sense of the numbers one encounters in today’s world. It considers data analysis, data collection, probability, confidence intervals and hypothesis testing. Statistics is likely to be among the college course requirements for students who pursue nursing, psychology, accounting, economics, management, or any area that requires research.

**IB MATHEMATICAL STUDIES**(SL)
**YEAR ONE**
(Grade 11)
*Prerequisite: Honors Math III
Mathematical Studies SL is a standard-level two year IB course for students who are proficient in mathematics. Building on students’ proficiencies in Algebra and Geometry, this course will study Functions, Trigonometry, Sequences and Series, and Sets. This two-year course will provide students with the analytical tools and language necessary to apply learned principles. Students will come to appreciate the power and beauty of mathematics as they investigate global issues and investigate real world applications of mathematics.

**IB MATHEMATICAL STUDIES**(SL)
**YEAR TWO**
Minimum class size of 12
*Prerequisite: IB Mathematical Studies SL (Year One)
Mathematical Studies is a standard-level two year IB course for students who are proficient in mathematics. During the second year of this course and building on concepts from the first year,
students will study Logic, Statistics, Probability, and Calculus. The second year of this course includes an Internal Assessment. Each student completes a project, based on her own research, providing an opportunity for students to carry out a mathematical study of their choosing using their own experience, knowledge, and skills acquired during the course. Students are also assessed through two IB External Assessment Examination Papers at the end of the second year. (1.0 credit)

**IB MATHEMATICS (SL) YEAR ONE**

*Prerequisite: Honors Math III*
Mathematics SL is the standard-level two-year IB course for students who are very proficient at mathematics as shown by strong performance in the prerequisite of Honors Math III. Students in this course will probably pursue college courses in Mathematics, Science, or Economics. Building on your strong Pre-calculus proficiency, students will delve deeply into further study of Algebra, Geometry, Trigonometry, Statistics, and Probability, honing critical-thinking abilities and an appreciation of deeper concepts in Mathematics. (1.0 credit)

**IB MATHEMATICS (HL) YEAR TWO**

*Prerequisite: IB Mathematical Studies SL (Year One)*
Mathematical Studies is a standard-level two-year IB course for students who are proficient in mathematics. During the second year of this course and building on concepts from the first year, we will study Logic, Statistics, Probability, and Calculus. The second year of this course will continue to provide students with the analytic tools and language necessary to appreciate the power and beauty of Mathematics in investigating global issues. The second year of this course includes an Internal Assessment. Each student completes a project, based on her own research, providing an opportunity for students to carry out a mathematical study of their choosing using their own experience, knowledge, and skills acquired during the course. (1.0 credit)

**IB MATHEMATICS (HL) YEAR ONE**

*Prerequisite: Pre-Calculus Honors, 88% or above*
This class is offered online with a fee. Mathematics HL is an advanced level IB course for students who are very proficient in Mathematics as shown by strong performance in Honors Math III or very strong performance and teacher recommendation in Math III. This two-year course covers a more advanced range of mathematical concepts than the IB Mathematical Studies SL course. Students in this course will probably pursue college courses in Mathematics, Science, or Economics. Students will build on their strong Pre-Calculus proficiency and delve deeper into further study of Algebra, Geometry, Trigonometry, Statistics, and Probability, honing their critical-thinking abilities and appreciation of the advanced concepts in Mathematics. (1.0 credit)

**CHINESE I HONORS**

*(Grades 8-12)*
In addition to the Chinese I standard class requirements, the Honors class will be taught to write an additional 20 Chinese characters and be able to read an additional 40 new words. The situational dialogue practice will be discussed in the class. (1.0 credit)

**CHINESE II**

*(Grades 9-12)*
Students will work on the accuracy of Pinyin and tones, and continue with the structures of the Chinese characters; the focus will be on listening, speaking, writing, and communications in Chinese. The students are expected to be able to write 100 new Chinese characters, be able to read 230 new words with slight helps of Pinyin and be able to use 140 sentence patterns to be communicated at the end of the year. The students will develop intercultural understanding in the class. (1.0 credit)

**CHINESE II HONORS**

*(Grades 9-12)*
In addition to the Chinese II standard class requirements, the honors class will be taught to write an additional 20 Chinese characters and be able to read an additional 50 new words without Pinyin. The students will be expected to make sentences and conduct situational dialogues. (1.0 credit)

**CHINESE III**

*(Grades 10-12)*
Students will continue their development of fluency through listening, speaking, writing, and communication in the Chinese language. Students will learn 300 new words and 155 sentence patterns. They will communicate clearly and effectively on a range of topics and situations. They will work on reading, writing, and short paragraphs/articles as well. (1.0 credit)

**IB CHINESE B (SL) YEAR ONE**

*Prerequisite: 95% Reg./88% Honors Chinese II, III, IV*
This class is open to the students who take at least two years of Chinese or more. IB Chinese SL is a two-year course focusing on
This second course in French offers the opportunity to further develop the communication skills begun in French I. The purpose of this course is to complete the study of the main grammatical concepts of the French language in the context of understanding the French people and their daily lives and interests. (1.0 credit)

FRENCH II HONORS
(Grades 9-12)
This course is the same as French II but on an accelerated scale. Less time is spent on the drilling of the grammatical aspects and more time on speaking the language. The class is conducted mainly in French. Admission to this course requires the teacher’s approval. (1.0 credit)

FRENCH III
(Grades 10-12)
This course is a continuation of French II with more emphasis on creative oral and written expression. Readings, periodical articles and short stories serve as a basis for vocabulary development, cultural awareness and class discussion. French III students continue their study of the major points of French grammar as needed for development of communication skills. Much of the class is conducted in French. Admission to this course requires the teacher’s approval. (1.0 credit)

IB FRENCH B (SL)
YEAR ONE
(Grade 11)
*Prerequisite: 95% Reg./88% Honors French II, III, IV
The French IB SL course is a two year course with summer enrichment requirements. Students will see themselves as part of a larger global community and use their languages skills to make a positive impact on humanity. Admission to this course requires the approval of the teacher. (1.0 credit)

IB FRENCH B (SL)
YEAR TWO
(Grade 12)
*Prerequisite: 95% Reg./88% Honors French II, III, IV
This course presents the same grammatical, historical and cultural material as French II, but students will be required to develop a deeper understanding of underlying concepts, primarily through the completion of additional assignments. Admission to this course requires the teacher’s approval. (1.0 credit)

LATIN I HONORS
(Grades 9-12)
This course continues the study of Latin begun in Latin I. Emphasis is placed on acquiring vocabulary and developing translation skills. Roman history and geography are presented along with continuing study of Greek and Roman myths. (1.0 credit)

IB LATIN (SL)
YEAR ONE
(Grade 11)
*Prerequisite: 95% Reg./88% Honors Latin II, III, IV
This course is conducted during a student’s 11th grade year, seeks to have students apply the knowledge acquired in the previous two years
Spanish I or a high A average in Spanish I
This course is the same as Spanish II but on an accelerated scale. Less time is spent on the drilling of the grammatical aspects and more time on speaking and writing the language. The class is conducted in Spanish. Admission to this course requires the approval of the teacher. (1.0 credit)

Spanish III
(Grades 10-12)
*Prerequisite: B average in Spanish II
This course reviews some major grammatical concepts from level 2 and continues with advanced grammar structures. The course is also a cultural/historical survey of the Spanish speaking world. Target language reading articles exploring culture, history, and literature are included to bridge the gap between lower and more advanced levels of Spanish. Admission to this course requires the approval of the teacher. (1.0 credit)

Spanish III Honors
(Grades 10-12)
*Prerequisite: high B average in Honors Spanish II or a high A average in Spanish II*
This course is the same as Spanish III but on an accelerated scale. In addition to grammar study, time is spent on the use of the language in oral and written communication. Readings taken from Spanish literature serve as a basis for vocabulary development, cultural awareness and class discussion. The class is conducted in Spanish. Admission to this course requires approval of the teacher. (1.0 credit)

Spanish IV Honors
(Grades 10-12)
This course provides practice in using Spanish in reading, writing and speaking. Spanish literature will be studied and discussed. The class is conducted in Spanish. Admission to this course requires the approval of the teacher. (1.0 credit)

IB Spanish B (SL)
YEAR ONE
(Grade 11)
*Prerequisite: 95% Reg./88% Honors Spanish II, III, IV*
The Spanish B SL course is a two-year course, taken during 11th and 12th grades, with summer enrichment assignments prior to the beginning of the course. Admission to this course requires the approval of the teacher, and, depending on the number of prior years of study, may require additional independent work on the part of the student. Throughout the two years, students will refine their ability to communicate and understand Spanish in written and spoken forms. During the first year, students are introduced to the 3 core topics required by IB: Communication and media; Social relationships; Global issues, as well as 2 options: Customs and traditions and Science and technology. These topics are integrated into the curriculum during both years through the use of authentic materials, textual readings and classroom discussions. Students receive extensive practice in writing and speaking Spanish for a variety of purposes, with the ultimate goal of using the language accurately, fluently and in a manner appropriate to cultural and social context. In order to earn IB credit, students must complete internal and external written and oral assessments during the second year of the course. (1.0 credit)

Spanish II Honors
(Grades 9-12)
*Prerequisite: B+ average in Honors
This second course in Spanish is a continuation of Spanish I and its goals, with additional emphasis on the use of the oral language and continued learning of verb forms, grammar points, vocabulary, and the history and culture of the Spanish-speaking countries. (1.0 credit)

IB Latin (SL)
YEAR TWO
(Grade 12)
Minimum class size of 12
*Prerequisite: 95% Reg./88% Honors Latin II, III, IV*
There will be additional emphasis conversation, reading, and writing. There is some stress on integrating an understanding of the Hispanic culture with the study of the language. (1.0 credit)

Spanish I Honors
(Grades 8-12)
This is a beginning course in Spanish in which students are introduced to Spanish life as it is lived by millions of teenagers in both hemispheres. As the student progresses through the year, she lives with the language through the progressive development of the four basic language skills: listening, reading, speaking and writing. There is some stress on integrating an understanding of the Hispanic culture with the study of the language. (1.0 credit)

Spanish I
(Grades 8-12)
This is a beginning course in Spanish in which students are introduced to Spanish life as it is lived by millions of teenagers in both hemispheres. As the student progresses through the year, she lives with the language through the progressive development of the four basic language skills: listening, reading, speaking and writing. There is some stress on integrating an understanding of the Hispanic culture with the study of the language. (1.0 credit)

Spanish II
(Grades 9-12)
This second course in Spanish is a continuation of Spanish I and its goals, with additional emphasis on the use of the oral language and continued learning of verb forms, grammar points, vocabulary, and the history and culture of the Spanish-speaking countries. (1.0 credit)

Spanish II Honors
(Grades 9-12)
*Prerequisite: B+ average in Honors
Throughout the two years, students will refine their ability to communicate and understand Spanish in written and spoken forms. During the first year, students are introduced to the 3 core topics required by IB: Communication and media; Social relationships; Global issues, as well as 2 options: Customs and traditions and Science and technology. These topics are integrated into the curriculum during both years through the use of authentic materials, textual readings and classroom discussions. Students receive extensive practice in writing and speaking Spanish for a variety of purposes, with the ultimate goal of using the language accurately, fluently and in a manner appropriate to cultural and social context. In order to earn IB credit, students must complete internal and external written and oral assessments during the second year of the course. (1.0 credit)
**PHYSICAL EDUCATION**

**PHYSICAL EDUCATION**  
(Grades 7-8 NDJA)  
This course must be taken in either 7th or 8th grade. It is designed to be an introduction to a wide variety of activities such as basketball, dance, fitness activities, gymnastics, lacrosse, soccer, softball, tennis, track and field, and volleyball. (.25 credit)

**TEAM ACTIVITIES**  
(Grades 9-12)  
This course is designed to give the students the opportunity to learn individual skills, sport-specific fitness, and team strategy while participating in activities such as basketball, soccer, softball, field hockey and gymnastics. (.25 credit)

**INDIVIDUAL ACTIVITIES**  
(Grades 9-12)  
This course is designed to teach basic techniques and fitness in a variety of individual activities including tennis, golf, archery, fencing, and gymnastics. (.25 credit)

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**PHYSICAL EDUCATION**

**FITNESS & NUTRITION**  
(Grades 10-12)  
This elective course is an activity-based class that will emphasize many aspects of fitness—cardiovascular, strength, balance and coordination, and flexibility. Activities will include yoga, tai chi, balls and hands, and weight training. The students will develop a personal fitness plan. In addition, nutrition concepts will be incorporated into the course. (.50 credit)

**LIFETIME ACTIVITIES**  
(Grades 11-12)  
This semester course has a focus on fitness training and conditioning to promote a healthy lifestyle. It also expands on activities taken during the Individual and Team Activity courses. Transportation is needed for off-site activities such as golf, tennis, yoga, spinning, skating, bowling, self-defense and disc golf. Course includes CPR training with certification. An additional course fee is required. (.50 credit)

**MOVEMENT SCIENCE**  
(Grades 11-12)  
This course provides students with the scientific principles and concepts of kinesiology, exercise science, and nutrition. Lab experiences will extend these concepts into practical applications. This course is designed to give the students a solid understanding of sport science and as a basis for many college majors/related careers. This is NOT an activity based class. (.50 credit)

**SCIENCES**

**SCIENCE 7**  
(Grade 7 NDJA)  
In this integrated course of study, students will investigate Earth and Space Science, Life Science and Physical Science. Scientific processes, empirical evidence and use of technology will be integrated throughout the curriculum using an inquiry approach through a variety of learning experiences that are fun and relevant to everyday life. (1.0 credit)

**SCIENCE 8**  
(Grade 8 NDJA)  
In this course, students will study processes and events that are the unseen foundations of the world around us. Topics include the composition and properties of the layers of the earth, plate tectonics, geologic forces and change over time, genetics and species diversity, and forces. Experiential activities, both in the classroom and outdoors, are included in all topic areas. Related work in the high school lab emphasizes safety, scientific inquiry, and fundamental techniques. (1.0 credit)

**BIOLOGY**  
(Grade 9)  
This lab course explores the structural and chemical basis of life, the uniformity and diversity of life in topics such as cell structure and function, genetics, evolution, and classification. Organisms of the six kingdoms are studied in order of increasing complexity as well as the role each plays in its environment and in relationship to humanity. *Special permit required. (1.0 credit)

**BIOLOGY HONORS**  
(Grade 9)  
*Prerequisite: High score on HSPT and/or recommendation of Counselor or Department Chair  
This lab course provides a more in-depth study of the same concepts of Biology I with an additional emphasis on biochemistry and molecular genetics. More emphasis will be placed on laboratory exercises and independent and/or group work. The pace of this course demands highly self-motivated students willing to spend extra time preparing for daily lessons. (1.0 credit)

**AP BIOLOGY III**  
(Grades 11-12)  
*Prerequisites: Biology, Chemistry—Double Block—Offered in odd years only Next in 2017  
Anatomy prerequisite or co-requisite recommended. Overall science average 3.8; signature of AP Biology teacher required. This lab course includes an in-depth study of biological chemistry, cells, energy transformations, molecular genetics, heredity, evolution, taxonomy and systematics, and ecology. The pace and content of this course demand highly self-motivated students willing to spend extra time in its preparation. It is highly recommended that Physics be taken as a prerequisite. Students are required to take the AP test for college credit. (1.0 credit)

**IB BIOLOGY (HL)**

**YEAR ONE**  
(Grade 11)  
**Prerequisite: Chemistry Regular or Honors, 88% or above**  
Biology HL will run over two years. Year one will focus on a variety of topics such as biochemistry, cellular biology, evolution, plant science and ecology. The depth and breadth of the curriculum encourages the discussion of global and ethical issues. A significant amount of time will be spent in and out of class studying the scientific method, analyzing data and designing scientific investigations. Included in this year is a student designed and driven multidisciplinary group project. Extensive time will be spent in the lab practicing skills and applying concepts to develop a deeper understanding of course content. This is a course where students will think and communicate like a scientist as they learn the course material. (1.0 credit)

**YEAR TWO**  
(Grade 12)  
*Prerequisite: IB Biology HL year 1**  
The second year of this two-year curriculum will focus on a variety of topics such as genetics, protein synthesis, human anatomy and
chem istry, animal behavior and neurobiology. The depth and breadth of the curriculum encourages the discussion of global and ethical issues. Lab skills and activities include computer simulations, database analysis, and some dissections. This is a course where you will think and communicate like a scientist as you learn the course material.

1.0 credit)

**CHEMISTRY**
(Grade 10)
*Prerequisites: Biology and Math I or II; Co-requisite Math II or Honors Math II*
This lab course studies the molecular structure of matter and its properties. This includes the study of chemical principles such as the modern atomic theory, the periodic table, chemical reactions, phases of matter, acids and bases, and quantitative relationships.

1.0 credit)

**CHEMISTRY HONORS**
(Grade 10)
*Prerequisites: A average in both Biology and Math; signatures of Chemistry and Math Instructors; Co-requisite: Math II or Honors Math II or Math III or Honors Math III*
This lab course provides a more in-depth study of the concepts of human anatomy and physiology. Laboratory experiences include dissection of all major organs utilizing food industry animals (pigs and sheep); systems analyses using fetal pigs; exploration into students’ personal physiology; and women’s health issues.

1.0 credit)

**ANATOMY PHYSIOLOGY**
(Grade 11)
*Prerequisites: Biology and Chemistry*
This lab course develops the fundamental concepts of human anatomy and physiology. Laboratory experiences include dissection of all major organs utilizing food industry animals (pigs and sheep); systems analyses using fetal pigs; exploration into students’ personal physiology; and women’s health issues.

1.0 credit)

**ANATOMY PHYSIOLOGY HONORS**
(Grade 11)
*Prerequisites: B average in both Biology and Chemistry*
This lab course provides a more in-depth view of the fundamental concepts of human anatomy and physiology. Laboratory experiences include dissection of all major organs utilizing food industry animals (pigs and sheep); systems analyses using fetal pigs; exploration into students’ personal physiology; and women’s health issues. Pacing of this honors course will be rapid. Students will be expected to write a series of short papers on selected health issues throughout the year using a variety of resources.

1.0 credit)

**COMPARATIVE ANIMAL PHYSIOLOGY**
(Grade 12)
Minimum class size of 12 *Prerequisite: B average in Regular or Honors Anatomy and Physiology, Signature of Anatomy teacher: IB Biology I, Co-requisite: IB Biology II*
A project-based course exploring anatomical and physiological adaptations for survival in extreme conditions. Topics include metabolism during long-range migration; sea turtle navigation; infrared receptors in snakes; thermoregulation in desert rats; bat radar; diving reflex in sea lions; social systems in primates; to name just a few. Explorations will involve reading classic papers, internet resources, lab work (including dissections), and field trips. Assessments will include portfolios, labs write ups, presentations, and short papers (5-5 pages).

1.0 credit)

**PHYSICS**
(Grade 11-12)
*Prerequisites: Biology, Chemistry, and Math II; Co-requisite: Math III*
This lab course emphasizes the conceptual basis of Physics through student explorations, lab work, demonstrations, and problem solving using mathematical expressions. There will be an emphasis on applications to real-world situations. Topics include forces and motion; heat, sound, and light; magnetism and electricity; atomic and nuclear physics.

1.0 credit)

**PHYSICS HONORS**
(Grades 11-12)
*Prerequisites: B average in Chemistry and Math; signatures of Chemistry and Math Instructors; Co-requisite: Math III, Math III, Pre-Calculus*
This lab course includes the study of mechanics, heat, sound, light, electricity, magnetism, and nuclear reactions. Laboratory experiences extend these concepts into the practical realm. The pace of this course demands highly self-motivated students willing to spend extra time preparing coursework.

1.0 credit)

**IB PHYSICS (SL)
YEAR ONE**
(Grade 11)
*Prerequisite: IB Mathematics SL or HL, Pre-Calculus or Higher*
SL Physics will allow students to develop the traditional, practical skills and techniques of science while improving their applied mathematical skills. SL Physics will encourage students to become a critical thinker. Students will study the topics of mechanics, gravitational fields and forces, thermal physics, and oscillations and waves. Included in this year is a student designed and driven multidisciplinary group project. Extensive time will be spent in and out of class working on labs, practicing skills, and applying concepts to develop a deeper understanding of course content. Students must be strong in math to be successful in this course.

1.0 credit)

**IB PHYSICS (SL)
YEAR TWO**
(Grade 12)
*Prerequisite: IB Physics SL, year 1; Co-requisite: IB Mathematics SL or HL, year 2 or Pre-Calculus or Higher*
The second year of IB Physics SL is a continuation of IB Physics SL year 1. The second year will cover the topics of electricity, electrical fields and forces, atomic and nuclear physics, energy, power, climate change, and astrophysics. Extensive time will be spent in and out of class working on labs, practicing skills, and applying concepts to develop a deeper understanding of course content. You must be strong in math to be successful at this course. The IB Internal Assessment includes a formal lab which will be
designed, implemented, and analyzed by the student. The IB External Assessment includes one objective and two free response papers. (1.0 credit)

**IB PHYSICS (HL) YEAR ONE**
(Grade 11)
*Prerequisite: Chemistry Honors and Math III Honors, 88% or above; Co-requisite: IB Mathematics SL or HL, or Pre-Calculus or Higher*

IB Physics develops the traditional, practical skills and techniques of science while improving applied mathematical skills. HL Physics will encourage students to become a critical thinker. Students will study the topics of mechanics, gravitational fields and forces, thermal physics, and oscillations and waves. Included in this year is a student designed and driven multidisciplinary group project. Extensive time will be spent in and out of class working on labs, practicing skills, and applying concepts to develop a deeper understanding of course content. HL Physics covers more content, is more math intensive, and will require more critical thinking skills than SL when problem solving. Participants must be strong in math to be successful in this course. (1.0 credit)

**IB PHYSICS (HL) YEAR TWO**
(Grade 12)
*Prerequisite: IB Physics HL year 1; Co-requisite: IB Mathematics SL, or HL, year 1 or Pre-Calculus or Higher*

The second year of IB Physics HL is a continuation of IB Physics HL year 1. The second year will cover the topics of electricity, electric fields and forces, electromagnetic induction, atomic and nuclear physics, energy, power, climate change, digital technology, and astrophysics. Extensive time will be spent in and out of class working on labs, practicing skills, and applying concepts to develop a deeper understanding of course content. You must be strong in math to be successful at this course. The IB Internal Assessment includes a formal lab which will be designed, implemented, and analyzed by the student. The IB External Assessment includes one objective and two free response papers. (1.0 credit)

**INTRO TO MOLECULAR GENETICS**
(Grades 11-12)
Minimum class size of 12
*Prerequisites: B average in Biology, Chemistry, Co- or prerequisite:

Anatomy, Signature of Chemistry or Anatomy instructor.

This lab course explores the world of DNA using the most up-to-date biotechnology. Students will: isolate DNA from themselves as well as other organisms; insert genes; amplify specific DNA sequences using PCR technology; purify sequences using electrophoresis. Computer simulations will supplement class work. The pace and content of this college level course demand highly self-motivated students willing to spend extra time preparing coursework.

**ENGINEERING- THE MULTIDISCIPLINARY SCIENCE**
(Grades 11-12)
Minimum class size of 12
*Prerequisites: Biology and Chemistry.
Interest in applied science based career.*

This course is designed to introduce NDA students to engineering concepts and careers. The course covers five branches of engineering: Environmental, Civil, Materials, Mechanical and Electronics. The course includes projects and field trips as well as visiting lecturers. Grading is based on class participation, five short papers on the five branches studied, and a final exam paper. The purpose of the course is to introduce students to engineering as a possible career, not to teach them engineering, so it is not strictly a technology course. However, students will learn about how the technology is used. The course will introduce students to the concept of innovation and how the U.S. Patent Office system works. Students also will investigate college curricula associated with the five engineering disciplines. (1.0 credit)

**ROBOTICS & INNOVATION**
(Grades 11-12)
Minimum class size of 12
*Prerequisites/Co-requisite: Physics*

This project-based course will provide students with an introduction to robotics, product engineering, and innovation. In the first semester, student teams will build working robots and program them to perform simple tasks. Teams will compare their robot performance against one another. In the second semester, students will be introduced to the concept of innovation and will work in teams to research and invent innovative new products. Each team will construct prototypes using a "maker space" laboratory and test their prototypes. To learn how new product ideas are protected, they will use the U.S. Patent Office web site to assess the innovativeness of their products and will create patent applications for them. (1.0 credit)

**INTRO TO ASTRONOMY**
(Grades 11-12)
*Prerequisites: Biology and Chemistry*

This course is a survey course which will explore the wonders of the universe. Beginning with the earth-moon-sun system, including such topics as earth's seasons, tides, and the phases of the moon, topics will expand to include the rest of the solar system, our galaxy and finally the universe as a whole. The theme of evolution will unify the course content, including the birth, life and death of stars, the development of galaxies and the beginnings and eventual fate of the universe. Information from other science and math classes will be integrated. (1.0 credit)

**ENVIRONMENTAL SCIENCE**
(Grades 11-12)
*Prerequisites: Biology and Chemistry.

This lab course is a hands-on, project driven, integrated science. Concepts in chemistry, biology, geology, physics, and ecology will be used to actively examine various environmental issues. Topics will include developing a sustainable worldview, ecosystem structure and function, population balance, air and water resources, and issues such as global warming, acid rain, air and water pollution, deforestation, recycling, hazardous wastes, and endangered species. Interactive labs and field trips will allow students to gain a better understanding of important issues that our world is facing today. (1.0 credit)

**AP ENVIRONMENTAL SCIENCE**
(Grades 11-12)
Minimum class size of 12
*Prerequisites: Biology and Chemistry overall science average >3.0, Signature of AP Enviro. Teacher*

The goal of this lab course is to provide students with the scientific principles, concepts and methodologies required to understand the interrelationships of the natural world, to identify and analyze the environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving and/or preventing them. Themes and topics include science as a process; energy conversions underlying all ecological processes; the earth as one interconnected system; human alteration of natural systems; the cultural and social context of environmental problems;
and developing practices that will achieve sustainable systems. The pace and content of the course demand highly self-motivated students willing to spend extra time preparing coursework. Students are required to take the AP test for college credit. (1.0 credit)

**SOCIAL STUDIES**

**ANCIENT CIVILIZATIONS 7**
(Grade 7 NDJGA)
Students will explore and experience World History from 750 B.C. to 1600 A.D. The areas of focus are Ancient Greece and Rome as well as portions of Africa and Asia. This course will conclude with the study of the Middle Ages, Renaissance, and the age of Exploration. For each area of study, the students will examine different governmental, economic, and geographical influences on the Ancient World as well as explain, analyze, and evaluate historical events on a global scale. (1.0 credit)

**U.S. HISTORY 8**
(Grade 8 NDJGA)
Students will explore and experience U.S. History from the age of exploration in the 1492 to Reconstruction in 1877. This will include colonization of the new world, the American Revolution, establishment of a national government, expansion west, the Civil War, and Reconstruction. For each area of study, the students will examine the cause and effect of human actions on historical events as well as analyze different viewpoints of key historical figures. The students will also focus on how important decisions made in American History shape their lives today. (1.0 credit)

**WORLD HISTORY**
(Grade 9)
This survey course focuses on the major periods of World History from the Enlightenment to the present. The events of history are presented through the lens of human values, attitudes, customs, religion, government, and culture, while developing skills to examine and think critically about the world. Students will move at a faster pace, study concepts on a deeper level, spend little time on review, may have more homework, and different assessments in honors World History. (1.0 credit)

**U.S. HISTORY**
(Grade 10)
This course includes a chronological view of United States History from post Reconstruction period to contemporary history. Students will be expected to successfully complete simulations, projects, and debates. The content and methods used in this course are designed to encourage historical analysis and to create an awareness of the correlation of the past to the present. (1.0 credit)

**AP U.S. HISTORY**
(Grade 10)
*Prerequisite: World History
U.S. History AP is a college-level course which covers the time period from the Age of Exploration in the 15th century to 1980’s conservatism. Students read a college text, investigate primary sources, and write many analytical essays. The pace of this course demands highly self-motivated students willing to spend extra time preparing for coursework. The following criteria are considered for admission to this course:
1. Signature of World History Teacher (A/B Honors or A in World History)
2. A/B in English I Honors or A in English I. (1.0 credit)

**IB HISTORY OF THE AMERICAS (HL)**
*Prerequisite: United States History, IB HISTOR 1, United States History (4P)
This is a comprehensive course that examines the Constitution, political parties, and the three branches of government. Course content will extend beyond the textbook in an effort for students to gain an overall knowledge of the current government, allowing them to make informed decisions as an active citizen in society. Completion of 8 Government field hours are

Year one will center mainly on US History and its role in world events. Year two is anathetic study of 20th Century world events, such as nationalist and independence movements in Africa and Asia after 1945, Apartheid in South Africa, American Civil Rights Movement and the Cold War. Year two presents a broad global view which helps students develop an understanding of history as a discipline and to develop historical consciousness, including a sense of chronology and context, and an understanding of different historical perspectives. (1.0 credit)

**UNITED STATES GOVERNMENT**
(Grade 12)
*Prerequisite: United States History, IB HISTOR 4, United States History (4P)
This comprehensive course examines the Constitution, political parties, and the three branches of government. Course content will extend beyond the textbook in an effort for students to gain an overall knowledge of the current government, allowing them to make informed decisions as an active citizen in society. Completion of 8 Government field hours are
required in order to pass this class (.50 credit)

**AP UNITED STATES GOVERNMENT**
(Grade 12)
*Prerequisite: United States History, IB HOT A, United States History (AP)
This year-long course emphasizes the Constitution specifically federalism, civil liberties, and civil rights. Students investigate the three branches of government, voting and public policy. Students use a college text, do Internet projects, and stay informed about current events. The pace of this course demands highly self-motivated students willing to spend extra time preparing for coursework. Students are required to take the AP test for college credit. The following criteria are considered for admission to this course:
1. A/B in AP United States History
2. A/B in English III
3. A/B in U.S. History
4. A/B in English III Honors
5. A/B in English III (1.0 credit)

**SOCIAL STUDIES**

**ELECTIVES**

**PSYCHOLOGY**
(Grades 11-12)
This is a semester course that explores insights into the behavior of individuals and groups. Topics covered include (but are not limited to) conformity, aggression, development, emotional well-being, personality, mental illness and treatments, and current psychology and social psychology theories. (.50 credit)

**PSYCHOLOGY HONORS**
(Grades 11-12)
This year-long AP course in their schedules. This course covers topics from general psychology but moves at a faster pace and will cover topics more in-depth. Topics covered will also include learning, memory, states of consciousness, and brain development as related to psychology and mental health. The following criteria are required for admission:
1. Signature of U.S. History teacher
2. A/B in English
3. A/B in U.S. History

**ECONOMICS**
(Grades 11-12)
This course is a combination of microeconomics and macroeconomics. Topics include the price system, business and labor organizations, government’s role in taxes and spending, banking and investment, inflation and recession, economic statistics and theory, and international trade and development. Emphasis is on application of skills needed to be an effective consumer, worker, and citizen. Recommended for college-bound students interested in business. (.50 credit)

**PSYCHOLOGY**
(Grades 11-12)
Study human interaction through application of scientific method of observation and analysis. This course would include studies of culture, deviance, social stratification, race/ethnicity, the family, education, economy, and urbanization. The goal of this class is to deepen student interest and awareness of human behavior and interaction, as well as sharpen analytical skills. (.50 credit)

**CONTEMPORARY GLOBAL ISSUES**
This course provides an in-depth study of domestic and international topics. Particular attention is devoted to current world affairs and their possible outcomes, helping students gain an international perspective in their lives. Past topics include: the economy, women, Immigration, terrorism, environment, and social issues. (.50 credit)

**WOMENS STUDIES**
(Grades 11-12)
This semester course is designed to introduce students to the role women have played in society throughout history, today and into the future. Issues include gender role stereotypes, self-esteem, education, and feminism. The physical, intellectual, social, emotional, psychological, and spiritual development of women will be discussed. An overview of women’s history and essential readings in women’s studies will be included. A global perspective of women and women’s issues will be used throughout the course. (.50 credit)

**TECHNOLOGY**

**COMPUTER APPLICATIONS I**
(Grades 8-12)
This introductory course is designed to give the student a comprehensive knowledge of MS Office. Students will learn document formatting for various business documents. Word and Excel are explored thoroughly. Publisher and PowerPoint are also covered. Internet safety and current technological advancements are discussed and researched. (.50 credit)

**TECHNOLOGY ELECTIVES**

**MUSIC TECHNOLOGY I**
(Grades 9-12)
Learn to create your own mixes, mash-ups, music videos, film scores and original compositions even if you have never had any musical experience. Students will learn notation, sequencing, editing and basic keyboard skills using computers, digital recorders and electronic instruments. Class projects include a class album and a podcast. Students receive credit in Fine Arts OR Technology. (.50 credit)

**MUSIC TECHNOLOGY II**
(Grades 9-12)
*Prerequisite Music Technology I
Music Tech II is a continuation of Music Tech with an emphasis on recording and mixing. Students will use various platforms to create, edit, and mix original music. Time outside of class will be required to record student groups. Projects include using ProTools Software to record, mix, and edit, live performances, advanced electronic mixes, and creating original electronic music. (.50 credit)

**DIGITAL PHOTOGRAPHY**
(Grades 10-12)
*Pre-requisite Art I
This course will explore digital photography. Topics covered are history, composition, lighting, camera function, and special techniques including manipulation
with software. Students will need to provide their own digital camera for this course. (.50 credit)

**WEB DESIGN & CODING**
(Grades 8-12)
This course is an entry-level course designed to teach students basic programming code and theories with an emphasis on developing logical thinking and problem solving skills. The focus will be on web related languages, but principles can be applied toward any coding language. Relevant languages covered are HTML, CSS, and Javascript. The course will also explore basics of web design thinking and application. (.50 credit)

**ATHLETIC VIDEOGRAPHER**
(Grades 10-12)
Students will record athletic events and contests under the supervision of the athletic director and athletic coaches. Students will also work with the coaches to edit the recorded video for multiple purposes. Before and after school hours will be required. Full year opportunity. (1.0 credit)

**JOURNALISM (BROADCAST)**
*Prerequisites: Journalism I plus Teacher Recommendation
Journalism II involves the putting together of the school newspaper or the yearbook or the video broadcasting of the daily announcements and any special news programming for the school. Under the direction of the Journalism adviser, these classes provide workshop environments in which students further the skills and knowledge learned in Journalism I. In Newspaper and Yearbook, the students design, research, write, and edit for The Vista or The Regina. In Broadcast, students research, write, videotape, edit, and broadcast the news on WNDA. Class size is limited. (1.0 credit)

**GRAPHIC DESIGN I**
(Grades 10-12)
*Prerequisites: Co-requisites: Art I and Computer Applications I or II
This course offers the basic concepts of design and photo-editing with hands-on and digital projects. Students will use Adobe Photoshop and the Wacom tablet to enhance existing graphics and create their own digital artworks. Students will explore the evolution of design movements and designers who have impacted the field of graphic design. (.50 credit)

**ROBOTICS & INNOVATION HONORS**
(Minimum class size of 12
This project-based course will provide students with an introduction to robotics, product engineering, and innovation. In the first semester, student teams will build working robots and program them to perform simple tasks. Teams will compare their robot performance against one another. In the second semester, students will be introduced to the concept of innovation and will work in teams to research and invent innovative new products. Each team will construct prototypes using a “maker space” laboratory and test their prototypes. To learn how new product ideas are protected, they will use the U.S. Patent Office web site to assess the innovativeness of their products and will create patent applications for them. (1.0 credit)

**THEOLOGY**
**THEOLOGY 7**
(Grade 7 NDIA)
Students will follow the 7th grade Roman Catholic Diocese of Toledo. Students will come to understand Scripture and Tradition as expressions of God’s Revelation in Jesus Christ. Through Jesus’ teachings the student learns to live the spirit of the kingdom in genuine, self-sacrificing love and reflect deeply on their responsibility to respect, nurture and protect the gift of life. The students will also learn the order and meaning of the Catholic mass as a celebration of Jesus’ life, death and resurrection. (1.0 credit)

**THEOLOGY 8**
(Grade 8 NDIA)
The students will follow the 8th grade course of study required by the Roman Catholic Diocese of Toledo. Throughout this year the students will learn about the very nature of the Church’s mission as they deepen their understanding and appreciation for the four Marks of the Catholic Church. The students will be able to identify key people and events in the Church history. They will know that service and action on behalf of justice is the responsibility of each member of the Church. In addition, we will supplement our curriculum with Saint John Paul II’s catechesis, Theology of the Body for Middle School, in which the students are presented with the Christian view of the “one flesh union” of man and woman in the context of true love, marriage and family life. (1.0 credit)

**FAITH BASICS**
(Grade 9)
This course is designed for students who have had little or no exposure to Catholicism. The content of the course is the same as God’s Revelation/Mission and Ministry, while the pace and depth will permit students to achieve a level of competence necessary to be successful in subsequent Theology courses. (1.0 credit)

**THEOLOGY I**
(Grade 9)
**Jesus Christ: God’s Revelation – one semester**
This course gives students a general knowledge and appreciation of the Sacred Scriptures while encountering Jesus Christ. Centering on our natural instinct to seek God, students will explore the wonderful work of Our Lord in forming a people, giving the Law, and preparing for the Messiah. An overview of Salvation History, its doctrine, people, and events will provide a foundation for future Theology courses.

**Jesus Christ: Mission and Ministry – one semester**
While continuing the survey of Salvation History, this course focuses on the ministry and mission of Jesus Christ while presenting the Church’s teachings about God the Father, the Trinity, Mary and the Holy Spirit. Students will understand the call of discipleship and that it involves a life of grace and holiness with a share of God’s everlasting Kingdom. (1.0 credit)

**THEOLOGY II**
(Grade 10)
**Jesus Christ: Source of Salvation – one semester**
The Pascal Mystery of Christ’s Cross and Resurrection stand at the center of the Good News. In this course, students learn in greater depth the saving actions of the Lord. What is the meaning of God’s sacred and mysterious plan from creation, to the consequences of
Original Sin, through the
culmination of Christ’s Life.
Passion, Death and Resurrection?
**Jesus Christ: His Church and
Sacraments – one semester**
This course roots the sacraments as
the definitive way Jesus remains
present to the Church and the world
today. Through an explanation of
the seven sacraments through
the meaning of memorial, celebration,
communion and transformation,
students will further their
relationship with Christ and His
Church. (1.0 credit)

**THEOLOGY III**
(Grade 11)
**Morality – one semester**
This course examines the complex
problems of faith and morality in
the modern world while moral
decision-making, freedom and
responsibility, conscience formation,
imitating Jesus and living the
Beatitudes are the foundation that is
then empowering students to
understand and live out the
Church’s teachings. The moral act
and applied to life situations and
moral issues. (1.0 credit)

**Theology of the Body**
– one semester
This course explores God’s plan for
human sexuality in light of Catholic
theology. Because the body is a
“theology,” it is meant to be a sign
of God’s own life and love in the
world. Theology of the Body
challenges students to discover
God’s call in their lives through an
examination of relationships and
dating, responsible sexuality, and
discerning the vocation of single,
married and religious life. This
course integrates the practical
aspects of becoming a responsible,
mature adult with our call to
holiness. (1.0 credit)

**THEOLOGY IV**
(Grade 12)
**Faith in Action (Social
Teachings) – one semester**
The Christian understanding is that
God desires a world in which all
aspects of life are guided by justice
and charity. This course explores
the implications of living in such a
world through a discussion of the
principles of Catholic Social
Teaching as modeled by such
persons as Dorothy Day and
Mother Theresa. Emphasis is placed
on how students can respond to
justice through a service component
where students may take part in
service projects in the greater
community.

**Logic, Reason & Apologetics**
– one semester
In this capstone course for seniors,
students will master the principles
of logic, ethics and justice that
inspire them to live with purpose,
moral integrity and care for human
life. Through an apologetics
approach, students will learn how to
use reason to explain and defend the
faith as they prepare to engage a
more critical and increasingly
secular culture. (1.0 credit)

**THEOLOGY ELECTIVES**

**BIOETHICS HONORS**
(Grades 11-12)
*Prerequisite: Students must complete
Morality before taking this course*
Bioethics is a study of the ethical
and moral implications of and
biomedical applications surrounding
life issues from conception to death.
This course examines technological
and scientific advances and their
implications through the
philosophical and theological lens of
Church teaching. Topics include
stem cells, cloning, in vitro
fertilization (IVF), surrogacy,
euthanasia, organ donation/brain
death, hydration/nutrition at the
end of life, etc. Students will be
expected to read advanced articles
and Church documents and to
engage in thoughtful debate. A final
paper will be required. (.50 credit)

**DISCERNMENT HONORS**
(Grades 11-12)
*Minimum class size of 12*
This course is about the process of
making sound decisions with
confidence and clarity. How does
one choose between trustworthy,
attractive alternatives? What
factors are most important? What
does one do when one’s heart
conflicts with one’s head? The
course will include reading and
discussing, What’s Your Decision?
based on the insights of Ignatius of
Loyola and the Spiritual Exercises.
Through reflection and prayer, the
student will come to understand
that a God decision always precedes
a good decision. The student needs
to be comfortable with the
conviction that God is active in
their life and cares about their
decisions. (.50 credit)

**ESCHATOLOGY HONORS**
(Grades 11-12)
*Minimum class size of 12*
The Bible is a living source of God’s
Revelation to us. This course
provides a survey of context,
message and authorship as well as a
plan to read and study the Bible
with the Living Tradition of the
Church. This is a course for
students who want to focus more
fully on the study of Sacred
Scripture as God’s love letter to His
people and its application to their
lives. (.50 credit)

**SACRED SCRPTURE HONORS**
(Grades 11-12)
*Minimum class size of 12*
The Bible is a living source of God’s
Revelation to us. This course
provides a survey of context,
message and authorship as well as a
plan to read and study the Bible
with the Living Tradition of the
Church. This is a course for
students who want to focus more
fully on the study of Sacred
Scripture as God’s love letter to His
people and its application to their
lives. (.50 credit)

**WORLD RELIGIONS HONORS**
(Grades 11-12)
*Minimum class size of 12*
This course will explore the major
religious traditions of the world.
Basic elements of each religion, such
as doctrines, sacred writings, sacred
stories, and symbol and ritual will
be described and explained, giving
students a rich overview of the
Catholic Church on ecumenism and
its relationship with other religions.
(.50 credit)