



NOTRE DAME ACADEMY

CREATING WOMEN OF VISION



2025/26 COURSE CATALOG

Notre Dame Academy Mission Statement

Notre Dame Academy, a Catholic college preparatory school for young women, educates in the tradition, vision and principles of the Sisters of Notre Dame. We empower students to be intellectually curious, passionately faith-filled, and socially responsible servant leaders.



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Notre Dame Academy admits students of any race, color, national or ethnic origin to all 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.

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From the Counseling Professionals at NDA

Our mission is to help your student grow spiritually, intellectually, emotionally, and physically into the 'Woman of Vision' that God has called her to be. We recognize that no two students are alike. Therefore, Notre Dame Academy offers a wide variety of courses along with individual support from faculty and counselors who work collaboratively to ensure students are enrolled in the right courses.

Counselors meet with every student 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.

ABOUT THE IB PROGRAM



Why IB?

In keeping with the demands of a 21st century world, the IB curriculum encompasses the study of rich content. Students learn a wide variety of intellectually stimulating practices while learning to view

their own academic experience through a global lens.

NDA is the **ONLY** IB Diploma World School in Northwest Ohio.

Lifelong Learning Skills

With information everywhere, memorizing knowledge will not be enough for lifetime success. IB's focus on developing lifelong learners teaches students to think critically and apply knowledge so their skills will remain relevant as workforce demands change. IB teachers function as a coach and mentor in these college level courses, leading students in how to discover solutions on their own, preparing students for college and a career.

IB is rooted in the IB Learner Profile, which states that every IB student will become:

- A thinker
- An inquirer
- A communicator
- Open-minded
- Caring
- Principled
- Balanced/Spiritual
- Knowledgeable
- Reflective
- Courageous

91% OF PAST NDA IB STUDENTS SCORED 4 OR HIGHER TO EARN COLLEGE CREDIT

How does IB assessment compare to AP assessment?

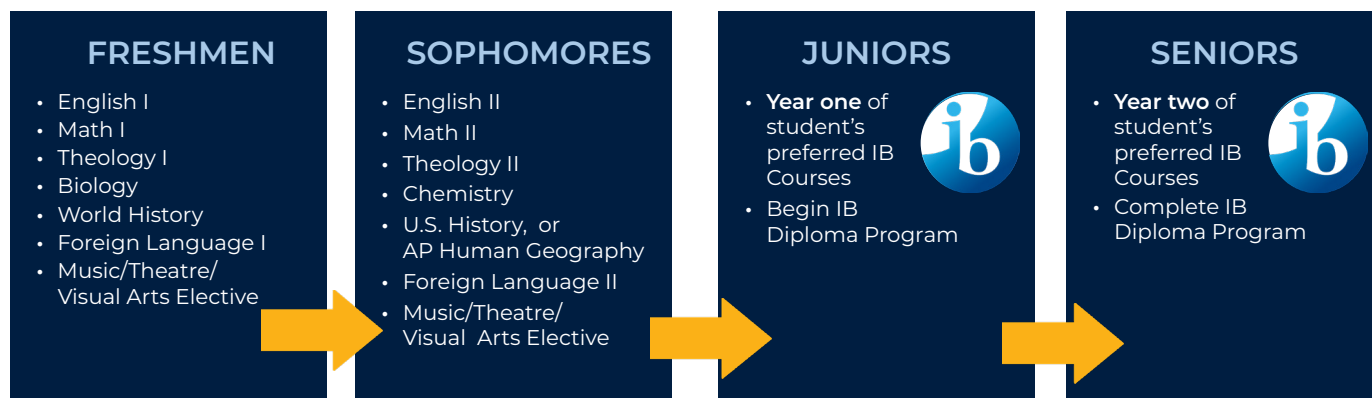
While both IB and AP programs come with testing fees, they are structured very differently.

One of the main differences between IB and AP is how they are assessed. AP is high stakes testing, where passing relies entirely on a single test. IB students are assessed throughout the two-year program and in multiple ways, such as oral presentations, papers, exams, projects, labs, and exhibitions.

Additionally, IB courses require the learner to engage in creativity, critical analysis, seminars, advanced research and writing tasks, as well as collaborative project-based learning. Students will have several opportunities to demonstrate their mastery of the skills taught in IB classes.

For more about the IB Program, please contact Ms. Angie Joseph, IB Coordinator, at ajoseph@nda.org.

FOUR-YEAR PLAN FOR IB STUDENTS



Students should complete their Computer Apps, PE and Health graduation requirements in their freshmen and/or sophomore years.

INTERNATIONAL BACCALAUREATE (IB)



**IB courses are offered at two different levels:
Standard Level (SL) and Higher Level (HL).**

SL courses are equivalent to a freshman college level course.

HL courses are equivalent to upper college level coursework.

Both levels are challenging and provide students with college admission credit and academic skill advantages.

English (Group 1)

Literature HL

Language Acquisition (Group 2)

French SL
Latin SL/HL
Spanish SL

Individuals & Societies (Group 3)

Business Management SL/HL
History of the Americas HL

Science (Group 4)

Biology HL
Physics SL
Physics HL

Mathematics (Group 5)

Mathematics Application & Interpretations SL
Mathematics Analysis & Approaches SL

The Arts (Group 6)

Music SL/HL (Voice, Composition, or Instrument)
Theatre Arts SL/HL
Visual Arts SL/HL

Diploma Candidates

Creativity, Action, Service (CAS)
Extended Essay (EE)
Theory of Knowledge (TOK)

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Online Courses

Business Management SL/HL
Chinese (Ab Initio) SL
Economics SL/HL
French (Ab Initio) SL
Film SL
Informational Technology in a Global Society SL/HL
Mathematics Analysis & Approaches HL
Philosophy SL
Psychology SL/HL
Spanish (Ab Initio) SL

Benefits of Online Courses:

- Learn at own pace in location of choice, given a period in school to work on material
- Study alongside students from around the world
- Gain experience in the latest online learning tools
- Regularly communicate with teachers and fellow students

ADVANCED PLACEMENT (AP)



English

AP English Literature & Composition

Science

AP Chemistry II
AP Environmental Science

Techology

AP Computer Science

Mathematics

AP Calculus (AB)

Social Studies

AP Human Geography
AP Psychology
AP United States Government and Politics

HONORS

English

English I (Honors)
English II (Honors)
English III (Honors)

Social Studies

World History (Honors)

Visual &

Performing Arts

Art III (Honors)
Art IV (Honors)
Honors Choir
Orchestra (Honors)

Mathematics

Math I (Honors)
Math II (Honors)
Math III (Honors)
Pre-Calculus (Honors)

Modern & Classical Languages

French I (Honors)
French II (Honors)
French III (Honors)
Latin I (Honors)
Latin II (Honors)
Spanish I (Honors)
Spanish II (Honors)
Spanish III (Honors)

Science

Biology I (Honors)
Chemistry (Honors)
Organic Chemistry (Honors)
Anatomy/Physiology (Honors)
Physics (Honors)
Molecular Genetics (Honors)

Theology

Catholic Leadership Seminar (Honors)
Faith and Reason (Honors)

NDJA (Grades 7-8) General Graduation Requirements	
Language Arts <ul style="list-style-type: none"> • Language Arts 7 (1.0 credit) • Language Arts 8 (1.0 credit) 	2.0 credits
Mathematics <ul style="list-style-type: none"> • Math 7 (1.0 credit) • Math 8 or Advanced Math 8 (1.0 credit) • <i>Higher level Math count towards NDJA graduation credit (see pg. 10 for details)</i> 	2.0 credits
Theology <ul style="list-style-type: none"> • 7th Grade Theology (1.0 credit) • 8th Grade Theology (1.0 credit) 	2.0 credits
Science <ul style="list-style-type: none"> • Science 7 (1.0 credit) • Science 8 (1.0 credit) 	2.0 credits
Social Studies <ul style="list-style-type: none"> • Ancient Civilizations 7 (1.0 credit) • American History 8 (1.0 credit) 	2.0 credits
Visual/Performing Arts	1.0 credit
Physical Education <ul style="list-style-type: none"> • NDJA Physical Education (0.25 credit) 	0.25 credit
Mandatory Annual Retreat	N/A
Total credits required to graduate	11.25 credits

GRADUATION REQUIREMENTS

NDA (Grades 9-12) General Graduation Requirements	
English <ul style="list-style-type: none"> • English I (1.0 credit each) or Integrated English (2.0 credits) • English II-IV • Students are required to take English each year, even if they have accumulated 4.0 credits before senior year. 	4.0 credits
Mathematics <ul style="list-style-type: none"> • Math I - IV (1.0 credit each) • Students are required to take Mathematics each year, even if they have accumulated 4.0 credits before senior year. 	4.0 credits
Theology <ul style="list-style-type: none"> • Theology I: Jesus Christ: God's Revelation/Mission & Ministry or Faith Basics (1.0 credit) • Theology II: Jesus Christ: Source of Salvation/Church & Sacraments (1.0 credit) • Theology III: Theology of the Body/Morality (1.0 credit) • World Religions (0.5 credit) • Choice of two courses: Faith in Action (Social Teachings) (0.5 credit) or Catholic Leadership Seminar (Honors) (0.5 credit) 	4.0 credits
Science <ul style="list-style-type: none"> • Biology (1.0 credit) • Chemistry (1.0 credit) • Science Elective (1.0 credit) 	3.0 credits
Social Studies <ul style="list-style-type: none"> • World History (1.0 credit) • U.S. History (1.0 credit) • U.S. Government (0.5 credit) • Social Studies Elective (0.5 credit) 	3.0 credits
Modern/Classical Languages (Same language)	2.0 credits
Visual/Performing Arts	1.0 credit
Physical Education	0.5 credit
Health	0.5 credit
Technology	0.5 credit
Financial Literacy (In-school seminar and math class workshops)	0.5 credit
Senior Project (24 clock hours)	0.25 credit
Service Learning Hours (70 clock hours)	1.0 credit
Mandatory Annual Retreat	N/A
Total credits required to graduate	24.25 credits

NON-COURSE REQUIREMENTS

Senior Project Requirement

Each senior is required to submit their Senior project in which they complete **24 hours of shadowing** with someone in the field they wish to pursue and then present their experiences to fellow students. It has often been stated from NDA Alumnae, that it was during the completion of this project that their career choice was validated and gave them the needed inspiration to excel in college to then begin a career they were excited about.

Understanding that professionalism is a large component of success, Notre Dame Academy also places high value in teaching our students strong interpersonal skills, interviewing skills, resume writing, and etiquette. This is done through various activities and presentations throughout the time that the students spend at NDA.

Financial Literacy Requirement

All students in a public, private, or charter school in Ohio must meet this requirement. **Beginning with the class of 2026 and after, students will be required to earn a 0.5 credit for Financial Literacy.**

The NDA plan for your student to meet this requirement is listed below:

1. **Math II/Math II H Courses: 0.25 credits** of financial literacy will be integrated, in partnership with the University of Toledo, into our Math II or Math II Honors class curriculum. A UT financial wellness coach will instruct on the following components in 6 sessions conducted throughout the school year. Topics include:

Financial Responsibility and Decision Making

Planning and Money Management

Informed Consumer

Investing

Credit and Debt

Risk Management and Insurance

2. **Financial Literacy Seminar: 0.25 credit** will be earned by your student in a mandatory Financial Literacy Seminar offered during the spring of her junior year. This is a hands-on learning experience where she will interact with local business leaders in forming a personal financial budget.

Service Hours Requirement

Notre Dame's Service Learning Program supports our mission and the educational vision of the Sisters of Notre Dame by seeking to form students that are passionately faith filled, intellectually curious, socially responsible servant leaders who will go on to serve and advocate for the responsible care of all God's creation and for justice and peace, especially for those on the margins of society.

All Students are required to complete a total of **70 hours of service learning** by the end of 1st semester senior year at which time they will receive a pass or fail for service learning on their final transcript and be awarded a 1.0 course credit.

CAREER COUNSELING

Notre Dame Academy strives not only to educate our students in the classroom, but to build a foundation within them for success long after they have graduated and moved on to achieve great things in their career field of choice. Each student, grades 7-12, has the opportunity to meet with our designated Career Counselor either in a group setting or one-on-one to explore careers that might match their interests and strengths. This dialogue then helps in their conversations with their school counselor when registering for courses, allowing them to select courses that will help them explore different careers or prepare them for college courses they would need to take in their desired career field. This is also a great opportunity to allow the Career Counselor to assist the student in making connections to establish mentors, most often with NDA Alumnae who are willing to share their time as well as their experiences, knowledge and advice about their career.

For more information about these offerings, please contact the Career Counselor, Ms. Rachel Williams, at rwilliams@nda.org.

Grade 7
Junior Achievement: Career Readiness
Career Cluster Exploration
Introduction to Naviance
Career Week

Grade 8
Junior Achievement: Career Readiness
Career Cluster Exploration
Introduction to Naviance
Career Week

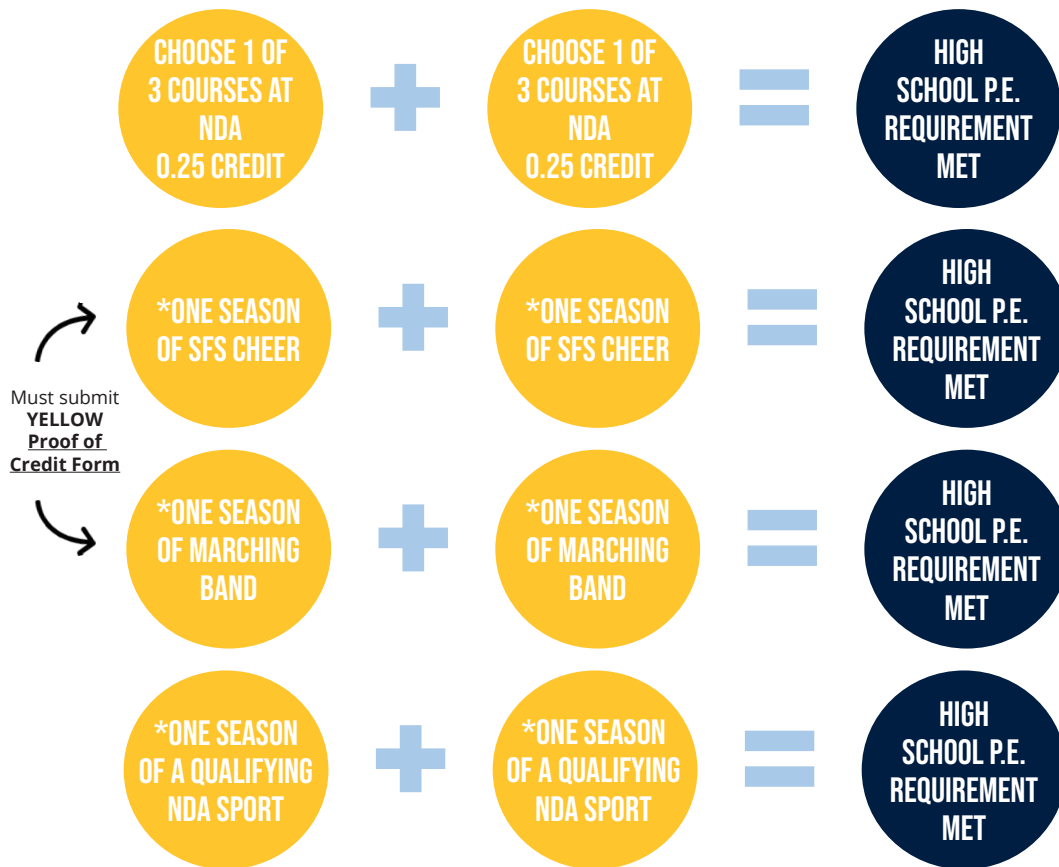
Grade 9
Naviance Tutorial: Learning and Productivity Assessment
Naviance Tutorial: Search Career Clusters
Career Week Workshop
Career Week Speaker

Grade 10
Naviance Seminar: Career & College Research
Naviance: Strengths Explorer Assessment
Career Week Workshop
Career Week Speaker

Grade 11
Naviance: Searching
Naviance: Interest Survey
Research Career Facts Form
Career Week Workshop
Career Week Speaker

Grade 12
Senior Project (24 clock hours)
Senior Project Research & Professional Documents
Career Week Workshop
Career Week Speaker
LinkedIn Training

PATHS TO P.E. CREDIT



P.E. Credit Options

Recreational Activities
 Personal Training & Nutrition
 Foundations of Movement

Each course is 0.25 credit

Qualifying NDA Sports

Basketball	Rowing
Bowling	Cross Country
Dance	Golf
Gymnastics	Lacrosse
Outdoor Track & Field	Soccer
Softball	Swimming & Diving
Tennis	Volleyball

Class of 2026-2028:

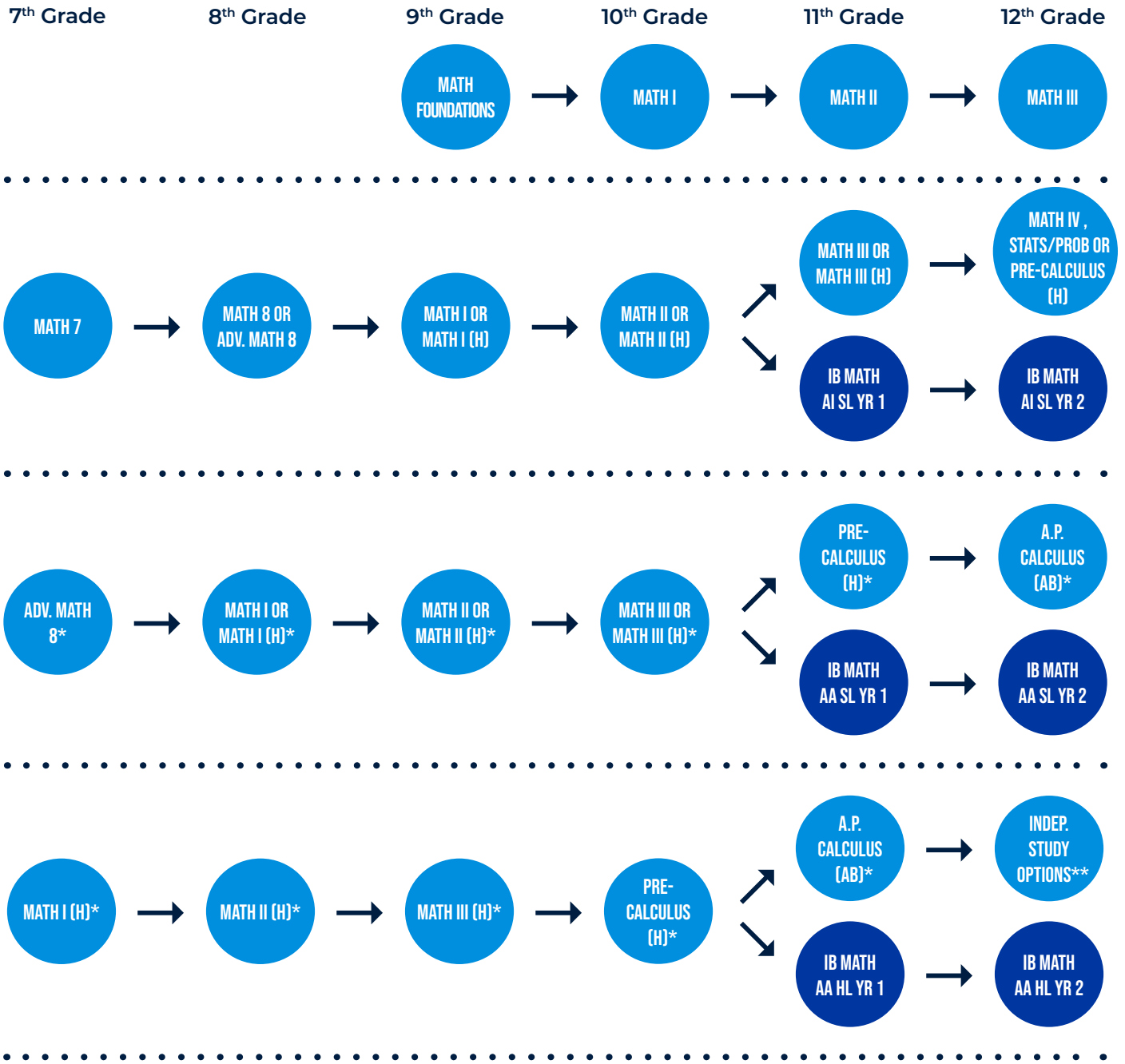
PE 1 and/or PE 2 taken during or before the Spring of 2025 will count towards your graduation requirement. Fitness and Nutrition, and Movement Science taken previously, will also count towards this graduation requirement. Students will still need two PE courses regardless of the credit already earned.

Note: Lifetime Activities will not count towards graduation requirements

Class of 2029 and beyond: All PE credits will come from two of the P.E. Credit options listed above.

**Must be completed prior to the start of senior year.*

PROGRESSION OF MATHEMATICS COURSES



* Math Department approval required

** For more information, please contact Mrs.White, Math Department Chair



GRADE 7 CORE COURSES

Language Arts

LANGUAGE ARTS 7

Grade Level: 7

Credit: 1.0

Language Arts 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

MATH 7

Grade Level: 7

Credit: 1.0

This course will prepare students for mastery in the study of mathematical topics including Algebra, Geometry, and Statistics. Math 7 introduces and enhances students' 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 in-depth.

ADVANCED MATH 8

Grade Level: 7, 8

Credit: 1.0

Admission to this course requires department approval and additional Math Placement Test.

This course builds and enhances Math 7 skills necessary for success in the subsequent Math 1 Honors course. Those entering the class intend to continue in honors math courses. This rigorous course deepens prior knowledge, with a special emphasis upon the study of sets of numbers; writing, solving, and graphing equations; percent applications, linear functions, transformational geometry, statistics and

data analysis, and probability. Students are expected to have a solid understanding of operations using rational numbers including integers. Emphasis will be placed on a deeper understanding and application of these topics along with concise and correct vocabulary and writing.

MATH I (HONORS)

Grade Level: 7-9

Credit: 1.0

Admission to this course requires department approval and additional Math Placement Test.

This course is for students who are proficient in the fundamentals of Mathematics. Those entering this class intend to continue in honors math courses. This rigorous course incorporates the study of Number Sense (understanding and application of all sets of numbers up to real numbers), Algebra (solving multi-step equations and inequalities, using function notation, applying and interpreting graphs), Geometry (similarity, congruency, dimensional analysis, circles), and Probability/Statistics (basic probability, data displays, regression lines, predicted values, correlation). Emphasis will be placed on a deeper understanding and application of these topics along with concise and correct vocabulary and writing.

Theology

7th Grade Theology

Grade Level: 7

Credit: 1.0

In this course, students will be introduced to the Catholic teachings of God as Trinity and Jesus as the revelation of God on Earth. Special emphasis will be given to the life and teachings of Jesus as revealed through Sacred Scripture. Students will experience traditions and practices of Catholic schools such as attending Mass, learning traditional Catholic prayers, and participating in the Stations of the Cross.

GRADE 7

Science

SCIENCE 7

Grade Level: 7

Credit: 1.0

In this course, students will become proficient in the areas of science inquiry and application of Life, Physical, and Earth and Space Science. In Life Science, the focus is on the impact of matter and energy transfer within the biotic component of ecosystems. In Physical Science, the focus is on the empirical evidence for the arrangement of atoms on the Periodic Table of Elements, conservation of mass and energy, and transformation and transfer of energy. In Earth and Space Science, the focus is on Earth's hydrologic cycle, patterns that exist in atmospheric and ocean currents, the relationship between thermal energy and the currents, and the relative position and movement of the Earth, sun, and moon. Experiential activities, both in the classroom and outdoors, are included in all topic areas.

Physical Education

JA PHYSICAL EDUCATION

Grade: 7, 8

Credit: 0.25

This course must be taken in either 7th or 8th grade.

This course is designed to be an introduction to a wide variety of activities, such as basketball, fitness activities, kickball, pickleball, soccer, tennis, track & field, and volleyball.

Social Studies

ANCIENT CIVILIZATIONS 7

Grade: 7

Credit: 1.0

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.

GRADE 7 ELECTIVES

Music

JA CHOIR

Grade: 7, 8

Credit: 0.5

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 in community and school performances and competitions. No experience necessary. Can be repeated for credit.

JA BEGINNING BAND 7/8

Grade: 7, 8

Credit: 0.5 for one semester (fall semester only)

Students will learn how to play an instrument in a group setting during this class on one of the following instruments: flute, oboe, clarinet, saxophone, bassoon, trumpet, french horn, trombone, baritone, tuba, percussion, and piano. As an ensemble, students will learn how to read music and explore techniques on their instrument. 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 owned or rented. All instruments listed above can be provided by the school, but only in limited numbers.

JA ADVANCED BAND 7/8

Grade: 7, 8

Credit: 1.0 for full year or 0.5 for one semester

Prerequisite : JA Beginning Band or prior musical experience with teacher recommendation

Students will continue learning how to play an instrument in a group setting during this semester class on one of the following instruments: flute, oboe, clarinet, saxophone, bassoon, trumpet, french horn, trombone, baritone, tuba, percussion, or piano. As an ensemble, students will continue developing their reading and performance skills, as well as general musicianship. Music appreciation, practice skills, and basic musicianship will be discussed. Students will perform in a concert at the end of the semester. Instruments may be owned or rented. All instruments listed above can be provided by the school, but only in limited numbers. May be repeated for credit.

GRADE 7

Performing Arts

INTRODUCTION TO DANCE

Grade: 7, 8

Credit: 0.5

This semester course dance class is focused on an overview of all dance styles, such as ballet, modern, contemporary, jazz, hip hop, and tap. Each student will learn the background and history of each style, along with gaining the knowledge of the steps and movement to each style. Students will also work on student choreography.

EXPLORATORY SPEECH & DRAMA

Grade: 7, 8

Credit: 0.5

In this semester class, students will learn the basics of movement and speech through a variety of in-class performances.

PLAY PRODUCTION

Grade: 7, 8

Credit: 0.5

Prerequisite: 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.

Visual Arts

INTRODUCTION TO VISUAL ARTS

Grade: 7, 8

Credit: 0.5

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 through drawing, painting, sculpture, and design projects with a variety of media explored. Visual journals are utilized daily to explore new material, techniques, and themes.

Journalism

EXPLORATORY JOURNALISM

Grade: 7, 8

Credit: 0.5

Students learn and employ basic journalistic principles in the production of the 7th & 8th grade newspaper and yearbook. 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.

Maximum class size of 12.

Modern & Classical Languages

JA EXPLORATORY WORLD LANGUAGES

Grade: 7, 8

Credit: 0.5

This is an exploratory languages course which introduces the student to the three languages offered at NDA: French, Latin, and Spanish. Each language and its culture will be studied for 6 weeks through maps, projects, and basic vocabulary/grammar. This course will also expose them to various career options for each of the languages. The course will culminate with a short presentation on which language was most interesting for each student and how they could benefit in the future from learning it. Students are encouraged to take this course during 8th grade to assist them in choosing a language to study during High School. 7th graders may be considered for this course if they are intending on studying a language during their 8th grade year, based on admission criteria.

Technology

COMPUTER SCIENCE EXPLORATIONS

Grade: 7, 8

Credit: 0.5

CS Explorations is an introductory computer science course based in the Scratch programming language that empowers students to create authentic artifacts and engage with computer science as a medium for creativity, communication, problem solving, and fun. In this course, students will learn foundational concepts and skills of computer science and programming, and students will explore using computers to solve problems and express themselves. Designed to be engaging and relevant to student life, students build, remix, and share their animations, games, stories, music, and art in an engaging and collaborative environment.



GRADE 8 CORE COURSES

Language Arts

LANGUAGE ARTS 8

Grade Level: 8

Credit: 1.0

Language Arts 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.

upon the study of sets of numbers; writing, solving, and graphing equations; percent applications, linear functions, transformational geometry, statistics and data analysis, and probability. Students are expected to have a solid understanding of operations using rational numbers including integers. Emphasis will be placed on a deeper understanding and application of these topics along with concise and correct vocabulary and writing.

Mathematics

MATH 8

Grade Level: 8

Credit: 1.0

Math 8 builds and enhances Math 7 skills necessary for success in the subsequent Math 1 course. Along with deepening prior knowledge, special emphasis is placed upon the study of sets of numbers; writing, solving, and graphing equations; percent applications, linear functions, transformational geometry, statistics and data analysis, and probability. Students are expected to have a solid understanding of operations using rational numbers, including integers.

MATH I (HONORS)

Grade Level: 7-9

Credit: 1.0

Admission to this course requires department approval and additional Math Placement Test.

This course is for students who are proficient in the fundamentals of Mathematics. Those entering this class intend to continue in honors math courses.

This rigorous course incorporates the study of Number Sense (understanding and application of all sets of numbers up to real numbers), Algebra (solving multi-step equations and inequalities, using function notation, applying and interpreting graphs), Geometry (similarity, congruency, dimensional analysis, circles), and Probability/Statistics (basic probability, data displays, regression lines, predicted values, correlation). Emphasis will be placed on a deeper understanding and application of these topics (polynomial operations, quadratic functions), Geometry (proofs, similarity, congruency, polygons, circles), Right Angle Trigonometry, and Probability (combinatorics, simple and conditional probability).

ADVANCED MATH 8

Grade Level: 7, 8

Credit: 1.0

Prerequisite for current NDA students: 97% average or better in current math 7 class at the time of registration and department approval.

Admission for all other students requires department approval and additional Math Placement Test.

This course builds and enhances Math 7 skills necessary for success in the subsequent Math 1 Honors course. Those entering the class intend to continue in honors math courses. This rigorous course deepens prior knowledge, with a special emphasis

Theology

8th Grade Theology

Grade Level: 8

Credit: 1.0

In this course, students will learn how Jesus remains present to his people through the Church. Special emphasis will be given to the history of the Catholic Church from Pentecost up to the present day. Students will learn the rhythms of the liturgical year and discover them as a way to encounter Christ through every season of their lives. Students will experience traditions and practices of Catholic schools such as attending Mass, learning traditional Catholic prayers, and celebrating May Crowning.

Science

SCIENCE 8

Grade Level: 8

Credit: 1.0

In this course, students will become proficient in the areas of science inquiry and application of Life, Physical, and Earth and Space Science. In Life Science, the topic focuses on the continuation of the species. In Physical Science, the topic focuses on forces and motion within, on and around the Earth, and within the universe. In Earth and Space Science, the topic focuses on the physical features of Earth and how they formed. This includes the interior of Earth, the rock record, plate tectonics, and landforms. Experiential activities are included throughout all topics.

Social Studies

U.S. HISTORY 8

Grade: 8

Credit: 1.0

Students will explore and experience U.S. History from the Age of Exploration in 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.

Physical Education

JA PHYSICAL EDUCATION

Grade: 7, 8

Credit: 0.25

This course must be taken in either 7th or 8th grade.

This course is designed to be an introduction to a wide variety of activities, such as basketball, fitness activities, kickball, pickleball, soccer, tennis, track & field, and volleyball.

GRADE 8 ELECTIVES

Music

JA CHOIR

Grade: 7, 8

Credit: 0.5

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 in community and school performances and competitions. No experience necessary. Can be repeated for credit.

JA BEGINNING BAND 7/8

Grade: 7, 8

Credit: 0.5 for one semester (fall semester only)

Students will learn how to play an instrument in a group setting during this class on one of the following instruments: flute, oboe, clarinet, saxophone, bassoon, trumpet, french horn, trombone, baritone, tuba, percussion, and piano. As an ensemble, students will learn how to read music and explore techniques on their instrument. 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 owned or rented. All instruments listed above can be provided by the school, but only in limited numbers.

JA ADVANCED BAND 7/8

Grade: 7, 8

Credit: 1.0 for full year or 0.5 for one semester

Prerequisite : JA Beginning Band or prior musical experience with teacher recommendation

Students will continue learning how to play an instrument in a group setting during this semester class on one of the following instruments: flute, oboe, clarinet, saxophone, bassoon, trumpet, french horn, trombone, baritone, tuba, percussion, or piano. As an ensemble, students will continue developing their reading and performance skills, as well as general musicianship. Music appreciation, practice skills, and basic musicianship will be discussed. Students will perform in a concert at the end of the semester. Instruments may be owned or rented. All instruments listed above can be provided by the school, but only in limited numbers. May be repeated for credit.

Performing Arts

INTRODUCTION TO DANCE

Grade: 7, 8

Credit: 0.5

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EXPLORATORY SPEECH & DRAMA

Grade: 7, 8

Credit: 0.5

In this semester class, students will learn the basics of movement and speech through a variety of in class performances.

GRADE 8

PLAY PRODUCTION

Grade: 7, 8

Credit: 0.5

Prerequisite: 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.

Visual Art

INTRODUCTION TO VISUAL ARTS

Grade: 7, 8

Credit: 0.5

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 through drawing, painting, sculpture and design projects with a variety of media explored. Visual journals are utilized daily to explore new material, techniques, and themes.

ADVANCED INTRO TO VISUAL ARTS

Grade: 8

Credit: 0.5

This course focuses on increasing technical skills and craftsmanship allowing for more accurate personal expression, meaning, and effects in personal artwork through advanced 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. Visual Journals are utilized daily to explore new materials, techniques, and themes.

Journalism

EXPLORATORY JOURNALISM

Grade: 7, 8

Credit: 0.5

Students learn and employ basic journalistic principles in the production of the 7th & 8th grade newspaper and yearbook. 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.

Maximum class size of 12.

Modern & Classical Languages

JA EXPLORATORY WORLD LANGUAGES

Grade: 7, 8

Credit: 0.5

This is an exploratory languages course which introduces the student to the three languages offered at NDA, French, Latin and Spanish. Each language and its culture will be studied for 6 weeks, through maps, projects and basic vocabulary/grammar. This course will also expose them to various career options for each of the languages. The course will culminate with a short presentation on which language was most interesting for each student and how they could benefit in the future from learning it. Students are encouraged to take this course during 8th grade to assist them in choosing a language to study during High School. 7th graders may be considered for this course if they are intending on studying a language during their 8th grade year, based on admission criteria.

Technology

COMPUTER SCIENCE EXPLORATIONS

Grade: 7, 8

Credit: 0.5

CS Explorations is an introductory computer science course based in the Scratch programming language that empowers students to create authentic artifacts and engage with computer science as a medium for creativity, communication, problem solving, and fun. In this course, students will learn foundational concepts and skills of computer science and programming, and students will explore using computers to solve problems and express themselves. Designed to be engaging and relevant to student life, students build, remix, and share their animations, games, stories, music, and art in an engaging and collaborative environment.

GRADE 8 EARLY HIGH SCHOOL ELECTIVE COURSES

Modern & Classical Languages

FRENCH I (COLLEGE PREP)

Grade: 8-12

Credit: 1.0

This is a beginning French course which introduces the student to the French language and culture. The course enables the students to develop their cultural and communication skills: listening and reading comprehension through the use of authentic material, speaking fluently in the target language through immersion, fluency through the process of dialogue, and writing accuracy through the use of cultural projects. **Admission to this course requires a 3.5 GPA average at the end of 1st semester of 7th grade.**

FRENCH I (HONORS)

Grade: 8-12

Credit: 1.0

This is a beginning French course which introduces the student to the French language and culture. The course enables the students to develop cultural and communication skills through the use of authentic materials, speaking fluently in the target language through immersion and dialogue, and writing accuracy through the use of cultural projects. The course proceeds at a more advanced pace than College Prep and assignments and assessments will be more challenging. **Admission to this course requires an A average in each semester of 7th grade English and the recommendation of the 7th grade English teacher.**

LATIN I (COLLEGE PREP)

Grade: 8-12

Credit: 1.0

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. **Admission to this course requires a 3.5 GPA average at the end of 1st semester of 7th grade.**

LATIN I (HONORS)

Grade: 8-12

Credit: 1.0

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. Worksheets and other assessments will be given daily and graded on accuracy. These will not be given to Latin I College Prep students. Additionally, students will be tested on culture and translating sentences on tests. **Admission to this course requires an A average in each semester of 7th grade English and the recommendation of the 7th grade English teacher.**

SPANISH I (COLLEGE PREP)

Grade: 8-12

Credit: 1.0

This is a beginning course in Spanish in which students are introduced to Hispanic culture and language as it is experienced by millions of people 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 and reading comprehension, and speaking and writing for accuracy. Cultural awareness and Hispanic customs are integrated into the curriculum through readings, projects, and videos. **Admission to this course requires a 3.5 GPA average at the end of 1st semester of 7th grade.**

SPANISH I (HONORS)

Grade: 8-12

Credit: 1.0

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 is additional emphasis on conversation, reading, and composition skills. **Admission to this course requires an A average in each semester of 7th grade English and the recommendation of the 7th grade English teacher.**

Physical Education & Health

RECREATIONAL ACTIVITIES

Grade: 8-12

Credit: 0.25

Prerequisite: JA Physical Education

This course will provide a variety of social, emotional, and physical learning through activity. Students will be exposed to beginner weight room instruction, individualized fitness programs through the PLT4M app, self-defense and various team and individual sports. Improving and increasing awareness in flexibility, balance, overall fitness, and a healthy lifestyle will be emphasized. Students will be assessed through participation in class, written work, unit quizzes and final project/exam. Students who previously enrolled in PE 1 and/or PE 2 are not eligible for this course.

HEALTH

Grade: 8-12

Credit: 0.5

This course is designed as an overview of basic health related topics with an emphasis on how these relate to women and achieving wellness. Some areas covered are understanding the difference between health and illness, stating behaviors that help to develop and maintain physical and mental wellness, being able to choose a healthy diet, understanding basic human biology and the major disorders of body systems, and the effect of smoking, alcohol, and drug abuse on the various systems of the body. Students will develop strategies to improve self-image, build friendships, and achieve goals. **Recommended for Grades 8, 9, or 10.**

Technology

COMPUTER APPLICATIONS

Grade: 8-12

Credit: 0.5

This introductory course is designed to give the student a comprehensive knowledge of MS Office and using Google apps (Drive/classroom/docs/sheets/forms). Students will learn 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.

WEB DESIGN & CODING

Grade: 8-12

Credit: 0.5

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.



GRADE 9 CORE COURSES

English

ENGLISH I (COLLEGE PREP)

Grade Level: 9

Credit: 1.0

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.

ENGLISH I (HONORS)

Grade Level: 9

Credit: 1.0

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. Scores on the placement test and current grades in English
2. Recommendation of eighth grade teacher, if current NDJA student

INTEGRATED ENGLISH I

Grade Level: 9

Credit: 2.0

Admission to this course is by invitation only.

This course, which is double-blocked, 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.

Mathematics

MATH FOUNDATIONS

Grade Level: 9

Credit: 1.0

Admission to this course is by invitation only.

Math Foundations builds and enhances math skills necessary for success in the subsequent Math I course. Along with deepening prior knowledge, special emphasis is placed upon the study of sets of numbers, writing, solving, and graphing equations, percent applications, linear functions, transformational Geometry, Statistics and Data Analysis, and Probability. Students are expected to have a solid understanding of all operations using rational numbers including integers.

MATH I (COLLEGE PREP)

Grade Level: 9-10

Credit: 1.0

This course is for students who have an understanding of the fundamentals of Mathematics. It incorporates the study of Number Sense (understanding and application of all sets of numbers up to real numbers), Algebra (solving multi-step equations and inequalities, using function notation, applying and interpreting graphs), Geometry (similarity, congruence, dimensional analysis, circles), and Probability/Statistics (basic probability, data displays, regression lines, predicated values, correlation). Emphasis will be placed on discovery, communication, problem solving, and connections among math topics.

GRADE 9

MATH I (HONORS)

Grade Level: 7-9

Credit: 1.0

Admission to this course requires department recommendation.

This course is for students who are proficient in the fundamentals of Mathematics. Those entering this class intend to continue in honors math courses. This rigorous course incorporates the study of Number Sense (understanding and application of all sets of numbers up to real numbers), Algebra (solving multi-step equations and inequalities, using function notation, applying and interpreting graphs), Geometry (similarity, congruency, dimensional analysis, circles), and Probability/Statistics (basic probability, data displays, regression lines, predicted values, correlation). Emphasis will be placed on a deeper understanding and application of these topics along with concise and correct vocabulary and writing.

MATH II (COLLEGE PREP)

Grade Level: 9-11

Credit: 1.0

Admission to this course requires department recommendation.

This course includes study of Number Sense (radicals, imaginary numbers), Algebra (polynomial operations, quadratic functions), Geometry (proofs, similarity, congruency, polygons, circles), Right Triangle Trigonometry, and Probability (combinatorics, simple and conditional probability).

MATH II (HONORS)

Grade Level: 8-10

Credit: 1.0

Prerequisite for current NDA students: 87% average or better in current Math I Honors class at the time of registration and department approval.

Admission for all other students requires department recommendation and additional Math Placement Test.

This rigorous course includes the study of Number Sense (radicals, imaginary numbers), Algebra (polynomial operations, quadratic functions), Geometry (proofs, similarity, congruency, polygons, circles), Right Triangle Trigonometry, and Probability (combinatorics, simple and conditional probability). Emphasis will be placed on a deeper understanding

and application of these topics along with concise and correct vocabulary and writing.

Theology

THEOLOGY I

Grade Level: 9

Credit: 1.0

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.

FAITH BASICS

Grade Level: 9

Credit: 1.0

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.

Science

BIOLOGY I (COLLEGE PREP)

Grade Level: 9

Credit: 1.0

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 ecology. Students will explore these concepts through hands-on activities, labs, and group discussions. Test preparation is enhanced through review activities and worksheets.

BIOLOGY I (HONORS)

Grade Level: 9

Credit: 1.0

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 which involves a focus on inquiry-based quarterly projects. The pace of this course demands highly self-motivated students willing to spend extra time preparing for daily lessons.

Social Studies

WORLD HISTORY (COLLEGE PREP)

Grade Level: 9

Credit : 1.0

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.

WORLD HISTORY (HONORS)

Grade Level: 9

Credit: 1.0

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.

Modern & Classical Languages

FRENCH I (COLLEGE PREP)

Grade: 8-12

Credit: 1.0

This is a beginning French course which introduces the student to the French language and culture. The course enables the students to develop their cultural and communication skills: listening and reading comprehension through the use of authentic material, speaking fluently in the target language through immersion, fluency through the process of dialogue, and writing accuracy through the use of cultural projects.

FRENCH I (HONORS)

Grade: 8-12

Credit: 1.0

This is an beginning French course which introduces the student to the French language and culture. The course enables the students to develop cultural and communication skills through the use of authentic materials, speaking fluently in the target language through immersion and dialogye, and writing accuracy through the use of cultural projects. The course proceeds at a more advanced pace than College Prep and assignments and assessments will be more challenging. **Admission to this course will be based on the student's HSPT, and/or standardized test scores, or recommendation from the NDJA student's 8th grade NDA English teacher.**

FRENCH II (COLLEGE PREP)

Grade: 9-12

Credit: 1.0

Prerequisite: French I or French I Honors

This second course in French offers the opportunity to further develop the communication skills begun in French I. Students will complete the study of the main grammatical concepts within the target language emphasizing the understanding of the French people and their culture. Authentic materials and communication using the target language will allow the students to learn more about tradition and culture of Francophone countries.

GRADE 9

FRENCH II (HONORS)

Grade: 9-12

Credit: 1.0

Prerequisite: B+ average in French I Honors or a minimum 95% A average in French I College Prep

The second course in French offers the opportunity to further develop the progression of communication skills begun in French I. Students will complete the study of the main grammatical concepts within the target language emphasizing the understanding of the French people and their culture. Extension of authentic materials and communication using the target language will allow the students to learn more about tradition and culture of Francophone countries. The communication, grammar, and cultural skills extensions within the target language will be assessed using a greater level of critical thinking skills that will be assessed using formal and informal assessments. **Admission to this course requires the recommendation of the French teacher.**

LATIN I (COLLEGE PREP)

Grade: 8-12

Credit: 1.0

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.

LATIN I (HONORS)

Grade: 8-12

Credit: 1.0

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. Worksheets and other assessments will be given daily and graded on accuracy. **These will not be given to Latin I College Prep students.** Additionally, students will be tested on culture and translating sentences on tests. **Admission to this course will be based on the student's HSPT, and/or standardized test scores, or recommendation from the NDJA student's 8th grade NDA English teacher.**

LATIN II (COLLEGE PREP)

Grade: 9-12

Credit: 1.0

Prerequisite: Latin I or Latin I Honors

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 mythology.

LATIN II (HONORS)

Grade: 9-12

Credit: 1.0

Prerequisite: B+ average in Latin I Honors or a minimum 95% 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. Worksheets and other assessments will be given daily and graded on accuracy. **These will not be given to Latin 1 College Prep students.** Additionally, students will be tested on culture and translating sentences on tests. **Admission to the course requires the recommendation of the Latin teacher.**

SPANISH I (COLLEGE PREP)

Grade: 8-12

Credit: 1.0

This is a beginning course in Spanish in which students are introduced to Hispanic culture and language as it is experienced by millions of people 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 and reading comprehension, and speaking and writing for accuracy. Cultural awareness and Hispanic customs are integrated into the curriculum through readings, projects, and videos.

SPANISH I (HONORS)

Grade: 8-12

Credit: 1.0

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 is additional emphasis on conversation, reading, and composition skills. **Admission to this course will be based on the student’s HSPT, and/or standardized test scores, or recommendation from the NDJA student’s 8th NDA English teacher.**

SPANISH II (COLLEGE PREP)

Grade: 9-12

Credit: 1.0

Admissions to this course requires an additional placement test (only) if you did not take Spanish I at NDA.

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, grammatical concepts, vocabulary, and the traditions and culture of Spanish-speaking countries.

SPANISH II (HONORS)

Grade: 9-12

Credit: 1.0

Prerequisite: B+ average in Spanish I Honors or a minimum 95% A average in Spanish I

Admissions to this course requires an additional placement test (only) if you did not take Spanish I at NDA

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 primarily in Spanish. **Admission to the course requires the recommendation of the current NDA Spanish teacher.**

Music

ORCHESTRA I

Grade: 9-12

Credit: 0.5 for one semester or 1.0 for full year

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 techniques in a group setting. Students will also learn the basics of independent practice. This group will explore a wide range of musical styles from Baroque to Contemporary. All instruments are welcome! It is strongly recommended that students own or rent their own instrument.

ORCHESTRA I (HONORS)

Grade: 9-12

Credit: 1.0 for full year

This course 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 techniques 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! It is strongly recommended that students own or rent their own instruments. **Teacher recommendation and/or audition required.**

CHORUS I

Grade Level: 9-12

Credit: 1.0

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.

GRADE 9

VOICE CLASS

Grade: 9-12

Credit: 0.5

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.

MUSIC TECHNOLOGY

Grade: 9-12

Credit: 0.5

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 0.5 credit in Visual/Performing Arts OR Technology.

PIANO & GUITAR CLASS

Grade: 9-12

Credit: 0.5

Students will choose to learn either piano or guitar in a workshop setting. This class will primarily be student-driven. Students will choose their own music to study and explore various resources to help in their musical learning, with the instructor providing regular guidance and feedback. Students are welcome to bring their own acoustic guitars. All levels of study from beginner to advanced are encouraged to take this course, and no prior musical knowledge is required for this class.

Maximum class size of 15.

Performing Arts

SPEECH & DRAMA I

Grade: 9-12

Credit: 1.0 **(Full Year includes Semester A & B)**

This course is designed to give students a broad base in communication skills and theatre 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.

SPEECH & DRAMA I - A

Grade: 9-12

Credit: 0.5

This one semester class will give students techniques to deal with stage fright, public speaking, and acting fundamentals. Students will write and deliver a variety of speeches. They will study theatre 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.

SPEECH & DRAMA I - B

Grade: 9-12

Credit: 0.5

Pre-requisite: Speech & Drama I - A

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 I-A. **Students who complete both semesters for Speech & Drama I will be able to go into Advanced Drama or IB Theatre with teacher recommendation.**

DANCE I - BEGINNER/INTERMEDIATE

Grade: 9-12

Credit: 0.5

This semester course is a beginning/intermediate level dance course that focuses mainly on jazz and hip hop techniques, but also covers musical theatre, contemporary, and student choreography. Open to anyone interested in dance. This course may be combined with another Visual/Performing Arts semester course in order to fulfill the Visual Arts/Performing Arts credit.

DANCE II - INTERMEDIATE/ADVANCED

Grade: 9-12

Credit: 0.5

Prerequisite: High intermediate level of jazz technique. Instructor approval is needed and an audition is required.

This semester course is offered to our higher level dance students in the styles of jazz, contemporary, hip hop, musical theatre and choreography. These students dance for the entire class period and perform in a showcase that includes choreography from our dance instructors and most importantly from student choreography. This is an intense class with high level warmups and technique. A great level of dedication is required. **Students must audition and have instructor approval.**

Visual Arts**ART I**

Grade: 9-12

Credit: 1.0

This high school foundation course focuses on increasing artistic technical skills and craftsmanship; knowledge and utilization of art elements, principles of art, and art analysis. Students develop refined personal expression, contextual meaning, and technical processes through exploration in 2-D, 3-D, and mixed media art. Visual journals are utilized daily to explore new materials, techniques, and themes.

CERAMICS

Grade: 9-12

Credit: 0.5

Ceramics provides hands-on experiences with handbuilding and wheel throwing processes. Students will explore the principles of art and techniques in design and construction using clay to construct handbuilt vessels one quarter and the technical skills for wheel throwing the second quarter. Students will learn glazing techniques and firing processes.

This course may be combined with another Visual/Performing Arts semester course in order to fulfill the Visual/Performing Arts credit.

Course participation limited to 10.

Physical Education & Health

RECREATIONAL ACTIVITIES

Grade: 8-12
Credit: 0.25

This course will provide a variety of social, emotional, and physical learning through activity. Students will be exposed to beginner weight room instruction, individualized fitness programs through the PLT4M app, self-defense and various team and individual sports. Improving and increasing awareness in flexibility, balance, overall fitness, and a healthy lifestyle will be emphasized. Students will be assessed through participation in class, written work, unit quizzes and final project/exam. **Students who previous enrolled in PE 1 and/or PE 2 are not eligible for this course.**

PERSONAL TRAINING & NUTRITION

Grade: 9-12
Credit: 0.25

This course is a hybrid class with 50% activity-based learning and 50% traditional classroom style learning. This class will emphasize many aspects of fitness---cardiovascular, strength, flexibility, balance and coordination. Fitness activities will include yoga, body weight training, pilates, weight training and more. The students will develop a personal fitness plan. In addition, we will look at how nutrition relates to fitness and leading a healthy lifestyle. Students will develop a basic nutrition plan.

HEALTH

Grade: 8-12
Credit: 0.5

This course is designed as an overview of basic health related topics with an emphasis on how these relate to women and achieving wellness. Some areas covered are: understanding the difference between health and illness, stating behaviors that help to develop and maintain physical and mental wellness, being able to choose a healthy diet, understanding basic human biology and the major disorders of body systems; understanding the effect of smoking, alcohol, and drug abuse on the various systems of the body. Students will develop strategies to improve self-image, build friendships, and achieve goals. **Recommended for Grades 8, 9, or 10.**

Technology

COMPUTER APPLICATIONS

Grade: 8-12
Credit: 0.5

This introductory course is designed to give the student a comprehensive knowledge of MS Office and using Google apps (Drive/Classroom/docs/sheets/forms). 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.

MUSIC TECHNOLOGY

Grade: 9-12
Credit: 0.5

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 0.5 credit in Visual/Performing Arts OR Technology.

WEB DESIGN & CODING

Grade: 8-12
Credit: 0.5

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.

GRADE 10 CORE COURSES

English

ENGLISH II (COLLEGE PREP)

Grade Level: 10

Credit: 1.0

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.

ENGLISH II (HONORS)

Grade Level: 10

Credit: 1.0

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 I each semester to move up.
2. Recommendation from English teacher.
3. Consistent class participation.

Mathematics

MATH I (COLLEGE PREP)

Grade Level: 9-10

Credit: 1.0

This course is for students who have an understanding of the fundamentals of Mathematics. It incorporates study of Number Sense (understanding and application of all sets of numbers up to real numbers), Algebra (solving multi-step equations and inequalities, using function notation, applying and interpreting graphs), Geometry (similarity, congruence, dimensional analysis, circles), and Probability/Statistics (basic probability, data displays, regression lines, predicted values, correlation). Emphasis will be placed on discovery, communication, problem solving, and connections among math topics.

MATH II (COLLEGE PREP)

Grade Level: 9-11

Credit: 1.0

Prerequisite: Math I

This course includes the study of Number Sense (radicals, imaginary numbers), Algebra (polynomial operations, quadratic functions), Geometry (proofs, similarity, congruency, polygons, circles), Right Triangle Trigonometry, and Probability (combinatorics, simple and conditional probability).

GRADE 10

MATH II (HONORS)

Grade Level: 8-10

Credit: 1.0

Prerequisite for current NDA students: 87% average or better in current Math I Honors class at the time of registration and department recommendation.

Admission for all other students requires department approval and additional Math Placement Test.

This rigorous course includes the study of Number Sense (radicals, imaginary numbers), Algebra (polynomial operations, quadratic functions), Geometry (proofs, similarity, congruency, polygons, circles), Right Triangle Trigonometry, and Probability (combinatorics, simple and conditional probability). Emphasis will be placed on a deeper understanding and application of these topics along with concise and correct vocabulary and writing.

MATH III (COLLEGE PREP)

Grade Level: 10-12

Credit: 1.0

Prerequisite: Math II

This course is a continuation of the Math II course. It includes the study of Algebra (sequences and series, radical expressions and equations, functions including polynomial, exponential, logarithmic, radical, rational, and piecewise), Non-Right Triangle Trigonometry, and Statistics (distributions, sampling methods, and statistical tools).

MATH III (HONORS)

Grade Level: 9-11

Credit: 1.0

Prerequisite: 87% average in current Math II Honors class at time of registration and teacher recommendation. Admission for all other students requires department approval and additional Math Placement Test.

This course is a continuation of the Honors Math II course. It includes the study of Algebra (sequences and series, radical expressions and equations, functions including polynomial, exponential, logarithmic, radical, rational, and piecewise), Non-Right Triangle Trigonometry, and Statistics (distributions, sampling methods, and statistical tools). Materials in this Honors Math III course will be covered more quickly, more rigorously, and/or more in-depth than the same material in Math III.

PRE-CALCULUS (HONORS)

Grade Level: 10-12

Credit: 1.0

Prerequisite: 87% average or better in current Math III Honors class at time of registration and teacher recommendation.

Admission for all other students requires department approval and additional Math Placement Test.

This course continues an in-depth study of Algebra, Functions, and Trigonometry as well as an introduction to Limits and the Derivative. This course is intended for students who will take Calculus the following year in either high school or college. Students will have the option to take the AP PreCalculus exam in May.

Theology

THEOLOGY II

Grade Level: 10

Credit: 1.0

Jesus Christ: Source of Salvation – one semester

The Paschal 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 and the meaning of memorial, celebration, communion, and transformation, students will further their relationships with Christ and His Church.

Science

CHEMISTRY I (COLLEGE PREP)

Grade Level: 10

Credit: 1.0

Prerequisites: Biology

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

Laboratory work is integrated throughout the course.

CHEMISTRY I (HONORS)

Grade Level: 10

Credit: 1.0

Prerequisites: A average in both Biology and Math; recommendations 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 College Prep Chemistry I with additional emphasis on atomic structure, oxidation and reduction, nuclear chemistry, and equilibrium. 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

U.S. HISTORY

Grade Level: 10-11

Credit: 1.0

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.

AP[®] ADVANCED PLACEMENT (AP) HUMAN GEOGRAPHY

Grade Level: 10-12

Credit: 1.0

Prerequisite: World History or Honors World History

AP Human Geography is organized around the discipline's main subfields: economic, cultural, political, and urban geography. Specific topics include: consequences of population growth, struggles over political power and control of territory, conflicts over the demands of ethnic minorities, the role of women, the inequalities between developed and developing economies, and role of climate change and environmental abuses in shaping the human landscapes. Students will develop skills in approaching problems geographically, using maps and geospatial technologies, and thinking critically about texts and images. Students will see geography as a source of ideas for identifying and solving problems at various scales, and as a component of building global citizenship and environmental stewardship. **Students are required to take the AP test with the possibility of earning college credit depending on score.**

The following criteria are considered for admission to this course:

1. Recommendation of World History or US History teacher (A/B+ in World History, Honors World History or U.S. History)
2. A/B+ in English or Honors English

GRADE 10

Modern & Classical Languages

FRENCH I (COLLEGE PREP)

Grade: 8-12

Credit: 1.0

This is a beginning French course which introduces the student to the French language and culture. The course enables the students to develop their cultural and communication skills: listening and reading comprehension through the use of authentic material, speaking fluently in the target language through immersion, fluency through the process of dialogue, and writing accuracy through the use of cultural projects.

FRENCH I (HONORS)

Grade: 8-12

Credit: 1.0

This is a beginning French course which introduces the student to the French language and culture. The course enables the students to develop cultural and communication skills through the use of authentic materials, speaking fluently in the target language through immersion and dialogue, and writing accuracy through the use of cultural projects. The course proceeds at a more advanced pace than College Prep and assignments and assessments will be more challenging. **Admission to this course requires the recommendation of the current English teacher.**

FRENCH II (COLLEGE PREP)

Grade: 9-12

Credit: 1.0

Prerequisite: French I or French I Honors

This second course in French offers the opportunity to further develop the communication skills begun in French I. Students will complete the study of the main grammatical concepts within the target language emphasizing the understanding of the French people and their culture. Authentic materials and communication using the target language will allow the students to learn more about tradition and culture of Francophone countries.

FRENCH II (HONORS)

Grade: 9-12

Credit: 1.0

Prerequisite: B average in French I Honors or an A average in French I College Prep

The second course in French offers the opportunity to further develop the progression of communication skills begun in French I. Students will complete the study of the main grammatical concepts within the target language emphasizing the understanding of the French people and their culture. Extension of authentic materials and communication using the target language will allow the students to learn more about tradition and culture of Francophone countries. The communication, grammar, and cultural skills extensions within the target language will be assessed using a greater level of critical thinking skills that will be assessed using formal and informal assessments. **Admission to this course requires the recommendation of the French teacher.**

FRENCH III (HONORS)

Grade: 10

Credit: 1.0

Prerequisite: B average in French II Honors or an A average in French II College Prep

This course is a continuation of French II Honors or 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 Honors students will continue their study of the major points of French grammar as needed for development of communication skills. The class is conducted primarily in French. **Admission to this course requires the recommendation of the teacher.**

LATIN I (COLLEGE PREP)

Grade: 8-12

Credit: 1.0

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.

LATIN I (HONORS)

Grade: 8-12

Credit: 1.0

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. Worksheets and other assessments will be given daily and graded on accuracy. These will not be given to Latin I College Prep students. Additionally, students will be tested on culture and translating sentences on tests. **Admission to this course requires the recommendation of the current English teacher.**

LATIN II (COLLEGE PREP)

Grade: 9-12

Credit: 1.0

Prerequisite: Latin I or Latin I Honors

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 mythology.

LATIN II (HONORS)

Grade: 9-12

Credit: 1.0

Prerequisite: B average in Latin I Honors or an 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. Worksheets and other assessments will be given daily and graded on accuracy. **These will not be given to Latin II College Prep students.** Additionally, students will be tested on culture and translating sentences on test. **Admission to this course requires the Latin teacher's recommendation.**

LATIN III (HONORS)

Grade: 10

Credit: 1.0

Prerequisite: B average in Latin II/Latin II Honors

This course seeks to have students apply the knowledge acquired in their previous years of Latin 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. This course runs cross-listed with IB Latin Year 1. Students will be assessed differently between Latin 3 Honors and IB Latin Year 1, although both will be following the IB prescribed curriculum.

SPANISH I (COLLEGE PREP)

Grade: 8-12

Credit: 1.0

This is a beginning course in Spanish in which students are introduced to Hispanic culture and language as it is experienced by millions of people 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 and reading comprehension, and speaking and writing for accuracy. Cultural awareness and Hispanic customs are integrated into the curriculum through readings, projects and videos.

SPANISH I (HONORS)

Grade: 8-12

Credit: 1.0

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 is additional emphasis on conversation, reading, and composition skills. **Admission to this course requires the recommendation of the current English teacher.**

GRADE 10

SPANISH II (COLLEGE PREP)

Grade: 9-12

Credit: 1.0

Prerequisite: Spanish I

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, grammatical concepts, vocabulary, and the traditions and culture of Spanish-speaking countries.

SPANISH II (HONORS)

Grade: 9-12

Credit: 1.0

Prerequisite: B average in Honors Spanish I or an A average in Spanish I College Prep

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 primarily in Spanish. **Admission to this course requires the recommendation of the current Spanish teacher.**

SPANISH III (COLLEGE PREP)

Grade: 9-12

Credit: 1.0

Prerequisite: Spanish II

This course reviews some major grammatical concepts from level 2 and continues with advanced grammar structures and vocabulary building. There is a continued expectation of using the language orally and in written format. Target language readings exploring the geography, history, culture and customs of Spain and Mexico are also a focus at this level. The class is conducted primarily in Spanish.

Minimum class size of 12.

SPANISH III (HONORS)

Grade: 9-12

Credit: 1.0

Prerequisite: B average in Honors Spanish II or an A average in Spanish II College Prep

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 primarily in Spanish. **Admission to this course requires the recommendation of the Spanish teacher. Minimum class size of 12.**

SPANISH IV (COLLEGE PREP)

Grade: 10-12

Credit: 1.0

Prerequisite: Spanish III CP or Spanish III Honors

This course provides provides students the opportunity to deepen their knowledge and appreciation of the Spanish language and Hispanic culture. Students will sharpen their reading, writing, and speaking skills through grammar study, thematic vocabulary units, and cultural projects. Hispanic history, geography, and culture will be studied through readings. The class is conducted primarily in Spanish.

Minimum class size of 12.

Physical Education & Health

RECREATIONAL ACTIVITIES

Grade: 8-12

Credit: 0.25

This course will provide a variety of social, emotional, and physical learning through activity. Students will be exposed to beginner weight room instruction, individualized fitness programs through the PLT4M app, self-defense and various team and individual sports. Improving and increasing awareness in flexibility, balance, overall fitness, and a healthy lifestyle will be emphasized. Students will be assessed through participation in class, written work, unit quizzes and final project/exam. Students who previously enrolled in PE 1 and/or PE 2 are not eligible for this course.

PERSONAL TRAINING & NUTRITION

Grade: 9-12

Credit: 0.25

This course is a hybrid class with 50% activity-based learning and 50% traditional classroom style learning. This class will emphasize many aspects of fitness--- cardiovascular, strength, flexibility and balance and coordination. Fitness activities will include yoga, body weight training, pilates, weight training and more. The students will develop a personal fitness plan. In addition, we will look at how nutrition relates to fitness and leading a healthy lifestyle. Students will develop a basic nutrition plan.

FOUNDATIONS OF MOVEMENT

Grade: 10-12

Credit: 0.25

This course provides students with the basic scientific principles and concepts of kinesiology, exercise science, and sports. Students will learn the background of those areas in our society. They will explore how the body moves and why. Lab experiences will extend these concepts into practical applications. Students will also learn and practice the Functional Movement Screen (FMS). This course is designed to give the students a solid understanding of sport science as a basis for many college majors/related careers. This is not primarily an activity based class.

HEALTH

Grade: 8-12

Credit: 0.5

This course is designed as an overview of basic health related topics with an emphasis on how these relate to women and achieving wellness. Some areas covered are: understanding the difference between health and illness, stating behaviors that help to develop and maintain physical and mental wellness, being able to choose a healthy diet, understanding basic human biology and the major disorders of body systems, and understanding the effect of smoking, alcohol, and drug abuse on the various systems of the body. Students will develop strategies to improve self-image, build friendships, and achieve goals. **Recommended for Grades 8, 9, or 10.**

Technology

COMPUTER APPLICATIONS

Grade: 8-12

Credit: 0.5

This introductory course is designed to give the student a comprehensive knowledge of MS Office and using Google apps (Drive/Classroom/docs/sheets/forms). 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.

DIGITAL ART

Grade: 10-12

Credit: 0.5

Prerequisites: Art I

Digital Art introduces students to a variety of digital art techniques and processes to prepare for future careers. This class uses Photoshop to encourage students to draw/paint freehand. Students learn how to use Wacom and surface pro tablets. Students will complete projects such as the musical poster (graphic design), landscape digital painting (illustration), Caldecott book layouts (graphic design, illustration), and storyboards (animation, concept art, illustration). Smaller exercises will include basic computer operation, Photoshop tool use and recognition, painting warmups and studies, and basic animation introduction. In class discussion will cover basic knowledge of computer parts and basic portfolio website setup. This class prepares students interested in the various fields of digital art to enter college with an understanding of the basis of these majors and have a confident start.

Minimum of 6 students. Students may receive 0.5 credit in Technology.

MUSIC TECHNOLOGY

Grade: 9-12

Credit: 0.5

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 0.5 credit in Visual/Performing Arts or Technology.

WEB DESIGN & CODING

Grade: 8-12

Credit: 0.5

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.

ADVANCED PLACEMENT (AP) COMPUTER SCIENCE

Grade: 10-12

Credit: 1.0

Prerequisite: Math III with a 93% minimum grade OR Web Design & Coding and Math I or Math I Honors with an overall score of at least 87% and recommendation of the teacher.

This is a rigorous college level course designed to prepare students for advanced coursework and potential career pathways in computer science while challenging them to explore how computing and technology can impact the world. This course is meant to be the equivalent of a first semester college level course in computer science. It will emphasize problem solving and use hands-on experiences and examples so that students can apply programming tools and solve complex problems. **Students are required to take the AP test with the possibility of earning college credit depending on score.**

GRADE 10 ARTS COURSES

Performing Arts

SPEECH & DRAMA I

Grade: 9-12

Credit: 1.0 **(Full Year includes Semester A & B)**

This course is designed to give students a broad base in communication skills and theatre 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 in acting situations in a non-threatening atmosphere.

SPEECH & DRAMA I - A

Grade: 9-12

Credit: 0.5

This one semester class will give students techniques to deal with stage fright, public speaking, and acting fundamentals. Students will write and deliver a variety of speeches. They will study theatre 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.

SPEECH & DRAMA I - B

Grade: 9-12

Credit: 0.5

Pre-Requisite: Speech & Drama I - A

This one semester 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 I - A.

Students who complete both semesters for Speech & Drama I will be able to go into Advanced Drama or IB Theatre with teacher recommendation.

ADVANCED DRAMA

Grade: 10-12

Credit: 1.0

Prerequisite: Speech & Drama I, I-A or I-B with an overall score of at least 87%

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 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 theatre history in greater depth. The course work will allow for students to participate in this class for one or two years. *Advanced Drama Honors classes will cover the same material as Advanced Drama, but with more academic rigor.*

DANCE I - BEGINNER/INTERMEDIATE

Grade: 9-12

Credit: 0.5

This semester course is a beginning/intermediate level dance course that focuses mainly on jazz and hip hop techniques, but also covers musical theatre, contemporary, and student choreography. Open to anyone interested in dance. This course may be combined with another Visual/Performing Arts semester course in order to fulfill the Visual Arts/Performing Arts credit.

GRADE 10

DANCE II - INTERMEDIATE/ADVANCED

Grade: 9-12

Credit: 0.5

Prerequisite: High intermediate level of jazz technique. Instructor approval is needed and an audition is required.

This semester course is offered to our higher level dance students in the styles of jazz, contemporary, hip-hop, musical theatre and choreography. These students dance for the entire class period and perform in a showcase that includes choreography from our dance instructors and most importantly from student choreography. This is an intense class with high level warmups and technique. A great level of dedication is required.

Music

CHORUS I, II

Grade Level: 9-12

Credit: 1.0

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.

HONORS CHOIR

Grade: 10-12

Credit: 1.0

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.

Teacher recommendation is required.

VOICE CLASS

Grade: 9-12

Credit: 0.5

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.

ADVANCED VOICE CLASS

Grade: 10-12

Credit: 0.5

Prerequisite: Voice Class or Instructor Recommendation

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.

PIANO & GUITAR CLASS

Grade: 9-12

Credit: 0.5

Students will choose to learn either piano or guitar in a workshop setting. This class will be primarily student-driven. Students will choose their own music to study and explore various resources to help in their musical learning with the instructor providing regular guidance and feedback. Students are welcome to bring their own acoustic guitars. All levels of study from beginner to advanced are encouraged to take this course, and no prior musical knowledge is required for this class.

Maximum class size of 15.

HONORS MUSIC THEORY

Grade: 10-12

Credit: 0.5

Prerequisite: One of the following- Choir, Orchestra, Music Technology, applied instrumental or voice lessons, equivalent musical experiences, and/or instructor approval.

Over the course of one semester, students will explore how music works on a structured level. We will explore how seemingly random sounds have been organized functionally to create the music that we hear in our everyday lives. A number of topics will be covered including harmony, rhythm, melody-writing, part-writing, composition, and orchestration, among others. Students may, with instructor recommendation, pursue a more rigorous course of study culminating in a completion of the AP Music Theory exam in May. No prior musical experience is required, but is extremely helpful. This class is strongly recommended for any student interested in taking International Baccalaureate (IB) Music.

ORCHESTRA I, II

Grade: 9-12

Credit: 0.5 for one semester or 1.0 for full year

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 in 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. This group will explore a wide range of musical styles from Baroque to Contemporary. All instruments are welcome! It is strongly recommended that students own or rent their own instrument.

ORCHESTRA I, II (HONORS)

Grade: 9-12

Credit: 1.0 for full year

This class 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 techniques 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! It is strongly recommended that students own or rent their own instrument. **Teacher recommendation and/or audition required.**

MUSIC TECHNOLOGY

Grade: 9-12

Credit: 0.5

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 0.5 credit in Visual/Performing Arts or Technology.

GRADE 10

Visual Arts

ART I

Grade: 9-12

Credit: 1.0

This high school foundation course focuses on increasing artistic technical skills and craftsmanship; knowledge and utilization of art elements, principles of art, and art analysis. Students develop refined personal expression, contextual meaning, and technical processes through exploration in 2-D, 3-D, and mixed media art. Visual journals are utilized daily to explore new materials, techniques, and themes.

ART II

Grade: 10-12

Credit: 1.0

Prerequisite: Art I

This high school advanced course focuses on increasing artistic technical skills and craftsmanship allowing for more accurate personal expression, meaning, and effects in personal artwork. Student's advanced exploration in 2-D, 3-D, mixed media art, elements and principles of art, and art analysis are further developed providing a foundation for Honors and IB coursework. Visual journals are utilized daily to explore new materials, techniques, and themes.

CERAMICS

Grade: 9-12

Credit: 0.5

Ceramics provides hands-on experiences with handbuilding and wheel throwing processes. Students will explore the principles of art and techniques in design and construction using clay to construct handbuilt vessels one quarter and the technical skills for wheel throwing the second quarter. Students will learn glazing techniques and firing processes.

This course may be combined with another Visual/ Performing Arts semester course in order to fulfill the Visual/Performing Arts credit.

Course participation limited to 10.

DIGITAL PHOTOGRAPHY

Grade: 10-12

Credit: 0.5

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 DSLR digital camera for this course.**

DIGITAL ART

Grade: 10-12

Credit: 0.5

Pre or Co-requisite: Art I

Digital Art introduces students to a variety of digital art techniques and processes to prepare for future careers. This class uses Photoshop to encourage students to draw/paint freehand. Students learn how to use Wacom and surface pro tablets. Students will complete projects such as the musical poster (graphic design), landscape digital painting (illustration), Caldecott book layouts (graphic design, illustration), and storyboards (animation, concept art, illustration). Smaller exercises will include basic computer operation, Photoshop tool use and recognition, painting warmups and studies, and basic animation introduction. In class discussion will cover basic knowledge of computer parts and basic portfolio website setup. This class prepares students interested in the various fields of digital art to enter college with an understanding of the basis of these majors and have a confident start.

Minimum of 6 students. Students receive 0.5 credit in Visual/Performing Arts OR Technology.

GRADE 10 ELECTIVES

Business Electives

ACCOUNTING I

Grade: 10-12

Credit: 0.5

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.

Journalism Electives

JOURNALISM I

Grade: 10-12

Credit: 1.0

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. Careers in Journalism and related fields will be explored.

General Electives

ACT/SAT PREP

Grade: 10-12

Credit: 0.5

10th grade: Co/Prerequisite Math II available for 2nd semester only

11th & 12th grade: Prerequisite Math II or currently taking Math II

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 and comfort and decrease anxiety. The course is structured around concept lectures, paper and pencil group and individual exercises, full length practice testing, and review.

CULTURE & LITERATURE

Grade: 10-12

Credit: 0.5

Available next in 2025/26 School Year

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.

GRADE 10

CREATIVE WRITING

Grade: 10-12

Credit: 0.5

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.

EXPLORING SHAKESPEARE THROUGH FILM AND TEXT

Grade: 10-12

Credit: 0.5

Available next in 2026/27 School Year

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.

GRADE 11 CORE COURSES

English

ENGLISH III (COLLEGE PREP)

Grade Level: 11

Credit: 1.0

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.

ENGLISH III (HONORS)

Grade Level: 11

Credit: 1.0

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. Consistent class participation.
3. English teacher's recommendation

***2025-2026 school year may be the last year English III (Honors) will be offered.*

INTERNATIONAL BACCALAUREATE (IB) LITERATURE HL (YEAR ONE)

Grade Level: 11

Credit: 1.0

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 focus on world literature, exploring how specific pieces arise from certain time periods and cultures. Major assessments include formal essays and a 15 minute oral presentation.

Mathematics

MATH II (COLLEGE PREP)

Grade Level: 9-11

Credit: 1.0

Prerequisite: Math I

This course includes the study of Number Sense (radicals, imaginary numbers), Algebra (polynomial operations, quadratic functions), Geometry (proofs, similarity, congruency, polygons, circles), Right Triangle Trigonometry, and Probability (combinatorics, simple and conditional probability)

MATH III (COLLEGE PREP)

Grade Level: 10-12

Credit: 1.0

Prerequisite: Math II

This course is a continuation of the Math II course. It includes the study of Algebra (sequences and series, radical expressions and equations, functions including polynomial, exponential, logarithmic, radical, rational, and piecewise), Non-Right Triangle Trigonometry, and Statistics (distributions, sampling methods, and statistical tools).

GRADE 11

MATH III (HONORS)

Grade Level: 9-11

Credit: 1.0

Prerequisite: 87% average in current Math class at time of registration and teacher recommendation.

Admission for all other students requires department approval and additional Math Placement Test.

This course is a continuation of the Honors Math II course. It includes the study of Algebra (sequences and series, radical expressions and equations, functions including polynomial, exponential, logarithmic, radical, rational, and piecewise), Non-Right Triangle Trigonometry, and Statistics (distributions, sampling methods, and statistical tools). Materials in this Honors Math III course will be covered more quickly, more rigorously, and/or more in-depth than the same material in Math III.

MATH IV (COLLEGE PREP)

Grade Level: 10-12

Credit: 1.0

Prerequisite: Math III

This course covers topics that both prepare students for an introductory collegiate mathematics course, as well as real-world topics students will need to know and understand for life after high school. These topics include but are not limited to: Banking, Credit, Financing College, Algebra, Geometry, and Trigonometry *This course provides a comprehensive review of Math I-II and is designed for students who are not looking to go into Mathematics related career fields.

PRE-CALCULUS (HONORS)

Grade Level: 10-12

Credit: 1.0

Prerequisite: 87% average or better in current Math III Honors class at time of registration and teacher recommendation.

Admission for all other students requires department approval and additional Math Placement test.

This course continues an in-depth study of Algebra, Functions, and Trigonometry, as well as an introduction to Limits and the Derivative. This course is intended for students that will take Calculus the following year in either high school or college. *Students will have the option to take the AP PreCalculus exam in May.*

ADVANCED PLACEMENT (AP) CALCULUS (AB)

Grade Level: 11-12

Credit: 1.0

Prerequisite: 87% average or better in current Pre-Calculus Honors class at time of registration and teacher recommendation.

Admission for all other students requires department approval and additional Math Placement Test.

Students should 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.

STATISTICS & PROBABILITY

Grade Level: 11-12

Credit: 1.0

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 psychology, accounting, economics, nursing, management, or any area that requires research.

INTERNATIONAL BACCALAUREATE (IB) MATHEMATICS APPLICATIONS AND INTERPRETATIONS (SL) -- YEAR ONE

Grade Level: 11

Credit: 1.0


IB Mathematics Applications and Interpretations SL is for students who are interested in developing their mathematics for describing our world and solving practical problems. They will also be interested in harnessing the power of technology alongside exploring models. Students who take Mathematics Applications and Interpretation will be those who enjoy mathematics best when seen in a practical context. Topics in year one include Algebra, Functions, Geometry, and Trigonometry.

 **INTERNATIONAL BACCALAUREATE
(IB) MATHEMATICAL ANALYSIS AND
APPROACHES (SL) -- YEAR ONE**

Grade Level: 11

Credit: 1.0

IB Mathematical Analysis and Approaches SL is for students who enjoy developing their mathematics to become fluent in the construction of mathematical arguments and develop strong skills in mathematical thinking. They will also be fascinated by exploring real and abstract applications of these ideas, with and without technology. Students who take Mathematics Analysis and Approaches will be those who enjoy the thrill of mathematical problem solving and generalization. Topics in year one include Algebra, Functions, Geometry, Trigonometry, and Probability.

 **INTERNATIONAL BACCALAUREATE
(IB) MATHEMATICS ANALYSIS AND
APPROACHES (HL) -- YEAR ONE
ONLINE COURSE**

Grade Level: 11

Credit: 1.0

Prerequisite: PreCalculus Honors

There is a strong emphasis on Calculus (assuming you are familiar already with Pre-Calc concepts) and on algebraic, graphical, and numerical approaches. In this course, students will develop strong skills in mathematical thinking and become fluent in the construction of mathematical arguments. The course is designed for students who wish to study mathematics as a subject in its own right or to pursue their interests in areas related to mathematics. It will appeal to students who are interested in exploring real and abstract applications of mathematical concepts. This course is suitable for students who may go on to further study in subjects that have a significant level of mathematics content (focus on calculus), for example, mathematics itself, engineering, physical sciences or economics.

Students who wish to take the HL course should have strong algebraic skills and self-discipline to work independently as well as communicating on a regular basis with the instructor as they would here at NDA. This course is for our more advanced Math students and will be taken with students from all over the world lending a unique approach to learning. There is a fee for this course.

Benefits of taking this online course:

- Develop independence in learning and time-management
- Develop ability to work in a connected world
- Become experienced in a wide range of online learning tools
- Better cope with online learning demands in higher education
- Math HL is recognized by universities

Theology

THEOLOGY III

Grade Level: 11

Credit: 1.0

Morality & Theology of the Body

Students will study St. John Paul II's *Theology of the Body* which provides an anthropology of the human person, examines each and everyone's call to live as a self-gift, and reflects on the power of the sacrament of marriage to be a witness to the Trinitarian love of God. Students will also learn to explain what the moral life is, how it was formed, the building blocks of the Church's moral teachings, and the breakdown of the moral act.

GRADE 11

Science

ANATOMY/PHYSIOLOGY (COLLEGE PREP)

Grade Level: 11, 12

Credit: 1.0

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, explorations into the students' personal physiology, and women's health issues. This class incorporates learning opportunities with the Anatomage table.

ANATOMY/PHYSIOLOGY (HONORS)

Grade Level: 11, 12

Credit: 1.0

Prerequisites: B average in both Biology and Chemistry; recommendation of Chemistry teacher

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. This class incorporates learning opportunities with the Anatomage table.

PHYSICS (HONORS)

Grade Level: 11, 12

Credit: 1.0

Prerequisites: B average in Chemistry and Math; recommendation of Chemistry or Math teacher

Co-requisite: Math III, H Math III, or 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.

INTERNATIONAL BACCALAUREATE (IB) PHYSICS (SL) YEAR ONE

Grade Level: 11

Credit: 1.0

Prerequisite: Chemistry Honors and Math III Honors

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, 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. Students must be strong in math to be successful at this course.

INTERNATIONAL BACCALAUREATE (IB) PHYSICS (HL) -- YEAR ONE

Grade Level: 11

Credit: 1.0

Prerequisite: Chemistry Honors and Math III Honors

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. 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 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. Students must be strong in math to be successful at this course.

**INTERNATIONAL BACCALAUREATE (IB)
BIOLOGY (HL) -- YEAR ONE**

Grade Level: 11

Credit: 1.0

Prerequisite: Biology and Chemistry

IB Biology, a rigorous college level course which runs over two years, will challenge students to think and communicate like a scientist as they explore the curriculum. 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.

ENVIRONMENTAL SCIENCE (COLLEGE PREP)

Grade Level: 11, 12

Credit: 1.0

Prerequisites: Biology and Chemistry

This 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 climate change, 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.

**ADVANCED PLACEMENT (AP)
ENVIRONMENTAL SCIENCE**

Grade Level: 11, 12

Credit: 1.0

Prerequisites: Biology and Chemistry, overall science average >3.0, Recommendation of current science teacher

This interdisciplinary course will provide students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world. Students will identify and analyze the environmental problems both natural and human-made, and evaluate the relative risks associated with these problems. Students will also examine possible solutions to various environmental issues. The topics will include a study of ecosystems, population biology, land and water use, energy resources and consumption, pollution, and global change. The course is aligned with College Board guidelines. 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 with the possibility of earning college credit depending on score.**

Minimum class size of 12.

**INTRODUCTION TO MOLECULAR GENETICS
(HONORS)**

Grade Level: 11, 12

Credit: 0.5

Available next in 2025/26 School Year

Prerequisites: B average in Biology, Chemistry, and recommendation of current Science teacher. Available in odd years only.

This lab course explores the world of DNA and how advances in DNA technology affect our everyday lives. Students will: isolate DNA, insert genes, amplify specific DNA sequences using PCR technology, and 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.

Minimum class size of 12.

GRADE 11

ORGANIC CHEMISTRY (HONORS)

Grade Level: 11, 12

Credit: 0.5

Available next in 2025/26 School Year

Prerequisites: Honors Chemistry (B average or above) or Chemistry with teacher recommendation. Available in odd years only.

Organic chemistry is the study of carbon-containing molecules which are the molecules of life. Students will study introductory organic chemistry topics including IUPAC nomenclature, bonding, synthesis of organic compounds, and molecular modeling as well as mechanisms of chemical reactions. Students will be introduced to modern organic chemistry analysis methods.

Minimum class size of 12.

AP ADVANCED PLACEMENT (AP) CHEMISTRY II

Grade Level: 11, 12

Credit: 2.0

Available next in 2026/27 School Year

Prerequisites: A average in both Biology and Honors Chemistry, Recommendation of current science teacher. Physics is highly recommended as co- or prerequisite.

Double block required – available offered in even years only

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 and 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 with the possibility of earning college credit depending on score.**

Minimum class size of 12.

Social Studies

AP ADVANCED PLACEMENT (AP) HUMAN GEOGRAPHY

Grade Level: 10-12

Credit: 1.0

Prerequisite: World History or Honors World History

AP Human Geography is organized around the discipline's main subfields: economic, cultural, political, and urban geography. Specific topics include: consequences of population growth, struggles over political power and control of territory, conflicts over the demands of ethnic minorities, the role of women, the inequalities between developed and developing economies, and role of climate change and environmental abuses in shaping the human landscapes. Students will develop skills in approaching problems geographically, using maps and geospatial technologies, and thinking critically about texts and images. Students will see geography as a source of ideas for identifying and solving problems at various scales, and as a component of building global citizenship and environmental stewardship. **Students are required to take the AP test with the possibility of earning college credit depending on score.**

The following criteria are considered for admission to this course:

1. Recommendation of World History or US History teacher (A/B+ in World History, Honors World History or U.S. History, AP U.S. History)
2. A/B+ in English or Honors English

PSYCHOLOGY

Grade Level: 11, 12

Credit: 0.5

Psychology is a semester course that explores insights into the behavior of individuals and groups. Topics covered include (but are not limited to) the brain, memory, sensation and perception, psychological disorders, learning, emotions, conformity and obedience, dream analysis, and social psychology.

**AP[®] ADVANCED PLACEMENT (AP)
PSYCHOLOGY**

Grade Level: 11-12

Credit: 1.0

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 basis 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 with the possibility of earning college credit depending on score.

The following criteria are required for admission:

1. **The recommendation from a Social Studies teacher (A/B+ in U.S. History or AP U.S. History)**
2. **A/B+ in English**

U.S. GOVERNMENT

Grade Level: 11-12

Credit: 0.5

Prerequisite: U.S. History; IB HOTA

This is a comprehensive course that examines the Constitution, elections, 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.

*All students are required to complete the Government Semester Project in conjunction with this required course. Students are to complete 4 hours of participation in the political process. This may include, but not limited to: campaigning for a candidate or issue, attending a local government or school board meeting, shadowing an elected official, or attending other government related events. The project requires students to obtain the proper signatures and documentation. Extensions are not given for late projects

U.S. HISTORY

Grade Level: 10,11

Credit: 1.0

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.

SOCIOLOGY

Grade Level: 11, 12

Credit: 0.5

In this semester course, students will study human interaction through application of the scientific method of observation and analysis. This course includes studies of culture, diversity and conformity, social structure, socializing the individual, social control and deviance, and race/ethnicity. The goal of this class is to deepen student interest and awareness of human behavior and interaction, as well as sharpen analytical skills.

21st CENTURY GLOBAL ISSUES

Grade Level: 11, 12

Credit: 0.5

The topics explored in this semester elective course are largely student driven and utilize current print, digital, literacy, and even cinematic sources to delve into global social, political, and economic issues. The diversity of class topics reflects the diversity of issues in the world. In the past, these topics have included terrorism, immigration, human trafficking, and environmental sustainability. The course is designed to inform and ultimately inspire students to think critically about the pressing issues in their world. Students will emerge with a greater global awareness and confidence in their ability to articulate informed positions on important issues.

GRADE 11

WOMEN'S STUDIES

Grade Level: 11, 12

Credit: 0.5

This semester course is designed to augment students' knowledge of women as global citizens throughout history, building upon the prior knowledge learned in World and U.S. History, respectively. Special focus is given to issues that affect women in particular, such as suffrage, equal rights, and the feminist movements, but the course also examines women's experiences in the broader historical narrative using primary sources to reveal their stories. Students will continue to develop critical thinking and analytical skills as well as improve their communication of complex ideas. Students will emerge with an enhanced understanding of historical events as the other half of the story is told: Herstory.

ADVANCED PLACEMENT (AP) U.S. GOVERNMENT AND POLITICS

Grade Level: 11, 12

Credit: 1.0

Prerequisite: U.S. History; IB HOTA

This yearlong course is a college-level introduction to key political concepts, ideas, institutions, policies, interactions, roles, and behaviors that characterize the Constitutional system and political culture of the United States. Students will read and analyze U.S. founding documents, Supreme Court decisions, and other texts and visuals to gain an understanding of the relationships and interactions between political institutions and behavior. They will read and interpret data, develop evidence-based arguments, and engage in an applied civics or politics research-based project. 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 with the possibility of earning college credit depending on score.**

The following criteria are considered for admission to this course:

1. Teacher recommendation and or A in U.S. History, IB HOTA
2. A/B in English III Honors or A in English III

*All students are required to complete the Government Semester Project in conjunction with this required course. Students are to complete 4 hours of participation in the political process. This may include, but not limited to:

campaigning for a candidate or issue, attending a local government or school board meetings, shadowing an elected official, or attending other government related events. The project requires students to obtain the proper signatures and documentation. Extensions are not given for late projects.

***Minimum class size of 12.**

ECONOMICS

Grade Level: 11, 12

Credit: 0.5

Economics is the study of how individuals, businesses, and governments make decisions about the use of scarce resources in the world of unlimited wants and needs. This is done at both the microeconomic and macroeconomic level; both of which will be examined. Topics include types of businesses and markets, government's role in the marketplace, including taxes and spending, banking and investment, inflation and recession, economic statistics and theory, and the development of the global market and multinational organizations. This semester course aims to provide students with theoretical underpinnings and functional economic knowledge to become an informed consumer, producer, and citizen. Emphasis is on application of skills as well as relating topics to history and politics. This course is recommended for college-bound students interested in business.

-INTERNATIONAL BACCALAUREATE (IB) HISTORY OF THE AMERICAS (HL) -- YEAR ONE

Grade Level: 11

Credit: 1.0

Prerequisite: World History and any of the following: US History or AP Human Geography

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.

Modern & Classical Languages

FRENCH I (COLLEGE PREP)

Grade: 8-12

Credit: 1.0

This is a beginning French course which introduces the student to the French language and culture. The course enables the students to develop their cultural and communication skills: listening and reading comprehension through the use of authentic material, speaking fluently in the target language through immersion, fluency through the process of dialogue, and writing accuracy through the use of cultural projects.

FRENCH I (HONORS)

Grade: 8-12

Credit: 1.0

This is a beginning French course which introduces the student to the French language and culture. The course enables the students to develop cultural and communication skills through the use of authentic materials, speaking fluently in the target language through immersion and dialogue, and writing accuracy through the use of cultural projects. The course proceeds at a more advanced pace than College Prep and assignments and assessments will be more challenging. **Admission to this course requires the recommendation of the current English teacher.**

FRENCH II (COLLEGE PREP)

Grade: 9-12

Credit: 1.0

Prerequisite: French I or French I Honors

This second course in French offers the opportunity to further develop the communication skills begun in French I. Students will complete the study of the main grammatical concepts within the target language emphasizing the understanding of the French people and their culture. Authentic materials and communication using the target language will allow the students to learn more about tradition and culture of Francophone countries.

FRENCH II (HONORS)

Grade: 9-12

Credit: 1.0

Prerequisite: B average in French I Honors or an A average in French I College Prep

The second course in French offers the opportunity to further develop the progression of communication skills begun in French I. Students will complete the study of the main grammatical concepts within the target language emphasizing the understanding of the French people and their culture. Extension of authentic materials and communication using the target language will allow the students to learn more about tradition and culture of Francophone countries. The communication, grammar, and cultural skills extensions within the target language will be assessed using a greater level of critical thinking skills which will be assessed using formal and informal assessments. **Admission to this course requires the recommendation of the French teacher.**



INTERNATIONAL BACCALAUREATE (IB) FRENCH (SL) -- YEAR ONE

Grade: 11

Credit: 1.0

Prerequisite: French II or Honors French II

The IB French SL course is a two year course with summer enrichment requirements 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 French in written and spoken forms. IB course topics are integrated into the curriculum and understand French in written and spoken forms. IB course 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 listening, writing, and speaking French 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 IB assessments during the second year of the course.

GRADE 11

LATIN I (COLLEGE PREP)

Grade: 8-12

Credit: 1.0

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.

LATIN I (HONORS)

Grade: 8-12

Credit: 1.0

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. Worksheets and other assessments will be given daily and graded on accuracy. These will not be given to Latin I College Prep students. Additionally, students will be tested on culture and translating sentences on tests. **Admission to this course requires the recommendation of the current English teacher.**

LATIN II (COLLEGE PREP)

Grade: 9-12

Credit: 1.0

Prerequisite: Latin I or Latin I Honors

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 mythology.

LATIN II (HONORS)

Grade: 9-12

Credit: 1.0

Prerequisite: B average in Latin I Honors or an 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.

Worksheets and other assessments will be given daily and graded on accuracy. **These will not be given to Latin II College Prep students.** Additionally, students will be tested on culture and translating sentences on tests. **Admission to this course requires the recommendation of the Latin teacher.**



INTERNATIONAL BACCALAUREATE (IB) LATIN (SL/HL) -- YEAR ONE

Grade: 11

Credit: 1.0

Prerequisite: Latin II or Latin II Honors

This course 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 teacher recommendation.**

Minimum class size of 12.

SPANISH I (COLLEGE PREP)

Grade: 8-12

Credit: 1.0

This is a beginning course in Spanish in which students are introduced to Hispanic culture and language as it is experienced by millions of people 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 and reading comprehension, and speaking and writing for accuracy. Cultural awareness and Hispanic customs are integrated into the curriculum through readings, projects, and videos.

SPANISH I (HONORS)

Grade: 8-12

Credit: 1.0

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 is additional emphasis on conversation, reading, and composition skills. **Admission to this course requires the recommendation of the current English teacher.**

SPANISH II (COLLEGE PREP)

Grade: 9-12

Credit: 1.0

Prerequisite: Spanish I

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, grammatical concepts, vocabulary, and the traditions and culture of Spanish-speaking countries.

SPANISH II (HONORS)

Grade: 9-12

Credit: 1.0

Prerequisite: B average in Honors Spanish I or an A average in Spanish I College Prep

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 primarily in Spanish. **Admission to this course requires the recommendation of the current Spanish teacher.**

SPANISH III (COLLEGE PREP)

Grade: 9-12

Credit: 1.0

Prerequisite: Spanish II

This course reviews some major grammatical concepts from level 2 and continues with advanced grammar structures and vocabulary building. There is a continued expectation of using the language orally and in written format. Target language readings exploring the geography, history, culture and customs of Spain and Mexico are also a focus at this level. The class is conducted primarily in Spanish.

Minimum class size of 12.

SPANISH III (HONORS)

Grade: 9-12

Credit: 1.0

Prerequisite: B average in Honors Spanish II or an 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 primarily in Spanish. **Admission to this course requires teacher recommendation. Minimum class size of 12.**

SPANISH IV (COLLEGE PREP)

Grade: 10-12

Credit: 1.0

This course provides provides students the opportunity to deepen their knowledge and appreciation of the Spanish language and Hispanic culture. Students will sharpen their reading, writing, and speaking skills through grammar study, thematic vocabulary units, and cultural projects. Hispanic history, geography, and culture will be studied through readings. The class is conducted primarily in Spanish.

Minimum class size of 12.



**INTERNATIONAL BACCALAUREATE (IB)
SPANISH (SL) -- YEAR ONE**

Grade: 11

Credit: 1.0

Prerequisite: Spanish II or Spanish II Honors

The IB Spanish SL course is a two-year course 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. IB course 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 listening, 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 IB assessments during the second year of the course.

Minimum class size of 12.

IB Diploma Only

INTERNATIONAL BACCALAUREATE (IB) THEORY OF KNOWLEDGE (TOK)

Grade: 11-12

Credit: 1.0

“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 (IB) EXTENDED ESSAY (EE)

Grade: 11-12

Credit: 1.0

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.

INTERNATIONAL BACCALAUREATE (IB) CREATIVITY, ACTION & SERVICE (CAS)

Grade: 11-12

Credit: 1.0

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.

Physical Education & Health

RECREATIONAL ACTIVITIES

Grade: 8-12

Credit: 0.25

This course will provide a variety of social, emotional, and physical learning through activity. Students will be exposed to beginner weight room instruction, individualized fitness programs through the PLT4M app, self-defense and various team and individual sports. Improving and increasing awareness in flexibility, balance, overall fitness, and a healthy lifestyle will be emphasized. Students will be assessed through participation in class, written work, unit quizzes and final project/exam. **Students who previous enrolled in PE 1 and/or PE 2 are not eligible for this course.**

PERSONAL TRAINING & NUTRITION

Grade: 9-12

Credit: 0.25

This course is a hybrid class with 50% activity-based learning and 50% traditional classroom style learning. This class will emphasize many aspects of fitness--- cardiovascular, strength, flexibility and balance and coordination. Fitness activities will include yoga, body weight training, pilates, weight training and more. The students will develop a personal fitness plan. In addition, we will look at how nutrition relates to fitness and leading a healthy lifestyle. Students will develop a basic nutrition plan.

FOUNDATIONS OF MOVEMENT

Grade: 10-12

Credit: 0.25

This course provides students with the basic scientific principles and concepts of kinesiology, exercise science, and sports. Students will learn the background of those areas in our society, they will explore how the body moves and why. Lab experiences will extend these concepts into practical applications. Students will also learn and practice the Functional Movement Screen (FMS). This course is designed to give the students a solid understanding of sport science as a basis for many college majors/related careers. This is not primarily an activity based class.

HEALTH

Grade: 8-12

Credit: 0.5

This course is designed as an overview of basic health related topics with an emphasis on how these relate to women and achieving wellness. Some areas covered are: understanding the difference between health and illness, stating behaviors that help to develop and maintain physical and mental wellness, being able to choose a healthy diet, understanding basic human biology and the major disorders of body systems, and understanding the effect of smoking, alcohol, and drug abuse on the various systems of the body. Students will develop strategies to improve self-image, build friendships, and achieve goals.

Recommended for Grades 8, 9, or 10.

GRADE 11

Technology COMPUTER APPLICATIONS

Grade: 8-12

Credit: 0.5

This introductory course is designed to give the student a comprehensive knowledge of MS Office and using Google apps (Drive/Classroom/docs/sheets/forms). 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.

AP ADVANCED PLACEMENT (AP) COMPUTER SCIENCE

Grade: 10-12

Credit: 1.0

Prerequisite: Math III with a 93% minimum grade OR Web Design & Coding and Math I or Math I Honors with an overall score of at least 87% and recommendation of the teacher.

This is a rigorous college level course designed to prepare students for advanced coursework and potential career pathways in computer science while challenging them to explore how computing and technology can impact the world. This course is meant to be the equivalent of a first semester college level course in computer science. It will emphasize problem solving and use hands-on experiences and examples so that students can apply programming tools and solve complex problems. **Students are required to take the AP test with the possibility of earning college credit depending on score.**

DIGITAL ART

Grade: 10-12

Credit: 0.5

Prerequisites: Art I

Digital Art introduces students to a variety of digital art techniques and processes to prepare for future careers. This class uses Photoshop to encourage students to draw/paint freehand. Students learn how to use Wacom and surface pro tablets. Students will complete projects such as the musical poster (graphic design), landscape digital painting (illustration), Caldecott book layouts (graphic design, illustration), and storyboards (animation, concept art, illustration). Smaller exercises will include basic computer operation, Photoshop tool use and recognition, painting warmups and studies, and basic animation introduction. In class discussion will cover basic knowledge of computer parts and basic portfolio website setup. This class prepares students interested in the various fields of digital art to enter college with an understanding of the basis of these majors and have a confident start.

Minimum of 6 students. Students receive 0.5 credit in Visual/Performing Arts OR Technology.

MUSIC TECHNOLOGY

Grade: 9-12

Credit: 0.5

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 0.5 credit in Visual/Performing Arts or Technology.

WEB DESIGN & CODING

Grade: 8-12

Credit: 0.5

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.

GRADE 11 ARTS COURSES

Performing Arts

SPEECH & DRAMA I

Grade: 9-12

Credit: 1.0 **(Full Year includes Semester A&B)**

This course is designed to give students a broad base in communication skills and theatre 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.

SPEECH & DRAMA I- A

Grade: 9-12

Credit: 0.5

This one semester class will give students techniques to deal with stage fright, public speaking, and acting fundamentals. Students will write and deliver a variety of speeches. They will study theatre 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.

SPEECH & DRAMA I- B

Grade: 9-12

Credit: 0.5

Pre-Requisite: Speech & Drama I - A

This one semester 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 I - A.

ADVANCED DRAMA

Grade: 10-12

Credit: 1.0

Prerequisite: Speech & Drama I, I-A or I-B with an overall score of at least 87%

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 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 theatre history in greater depth. The course work will allow for students to participate in this class for one or two years. *Advanced Drama Honors classes will cover the same material as Advanced Drama but with more academic rigor.*



INTERNATIONAL BACCALAUREATE (IB) THEATRE (SL) -- YEAR ONE

Grade: 11

Credit: 1.0

Prerequisite: Speech & Drama I

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. An important part of the class will be actually attending plays and musicals both with the class and independently.

GRADE 11

DANCE I - BEGINNER/INTERMEDIATE

Grade: 9-12

Credit: 0.5

This semester course is a beginning/intermediate level dance course that focuses mainly on jazz and hip hop techniques, but also covers musical theatre, contemporary, and student choreography. Open to anyone interested in dance. This course may be combined with another Visual/Performing Arts semester course in order to fulfill the Visual Arts/Performing Arts credit.

DANCE II - INTERMEDIATE/ADVANCED

Grade: 9-12

Credit: 0.5

Prerequisite: High intermediate level of jazz technique. Instructor approval is needed and an audition is required.

This semester course is offered to our higher level dance students in the styles of jazz, contemporary, hip hop, musical theatre and choreography. These students dance for the entire class period and perform in a showcase that includes choreography from our dance instructors and most importantly from student choreography. This is an intense class with high level warmups and technique. A great level of dedication is required. Students must audition and have instructor approval.

Music

CHORUS I, II, III

Grade Level: 9-12

Credit: 1.0

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.

HONORS CHOIR

Grade: 10-12

Credit: 1.0

Prerequisite: Teacher recommendation

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.

VOICE CLASS

Grade: 9-12

Credit: 0.5

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.

ADVANCED VOICE CLASS

Grade: 10-12

Credit: 0.5

Prerequisite: Voice Class or Teacher Recommendation

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.

HONORS MUSIC THEORY

Grade: 10-12

Credit: 0.5

Prerequisite: One of the following- Choir, Orchestra, Music Technology, applied instrumental or voice lessons, equivalent musical experiences, and/or instructor approval.

Over the course of one semester, students will explore how music works on a structured level. We will explore how seemingly random sounds have been organized functionally to create the music that we hear in our everyday lives. A number of topics will be covered including harmony, rhythm, melody-writing, part-writing, composition, and orchestration, among others. Students may, with instructor recommendation, pursue a more rigorous course of study culminating in a completion of the AP Music Theory exam in May. No prior musical experience is required, but is extremely helpful. This class is strongly recommended for any student interested in taking IB Music.

PIANO & GUITAR CLASS

Grade: 9-12

Credit: 0.5

Students will choose to learn either piano or guitar in a workshop setting. This class will primarily be student-driven. Students will choose their own music to study and explore various resources to help in their musical learning with the instructor providing regular guidance and feedback. Students are welcome to bring their own acoustic guitars. All levels of study from beginner to advanced are encouraged to take this course, and no prior musical knowledge is required for this course.

Maximum class size of 15.

ORCHESTRA I, II, III

Grade: 9-12

Credit: 0.5 for one semester or 1.0 for full year

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 in optional outside competitions and ensembles. Classes will focus on improvement of basic musical skills and techniques 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. It is strongly recommended that students own or rent their own instrument.

ORCHESTRA (HONORS)

Grade: 9-12

Credit: 1.0 for full year

Prerequisite: Teacher recommendation

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! It is strongly recommended that students own or rent their own instrument. **Teacher recommendation and/or audition required.**

MUSIC TECHNOLOGY

Grade: 9-12

Credit: 0.5

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 0.5 credit in Visual/Performing Arts or Technology.

GRADE 11



INTERNATIONAL BACCALAUREATE (IB) MUSIC (SL/HL) -- YEAR ONE

Grade: 11

Credit: 1.0

Prerequisite: One of the following -- Choir, Orchestra, Music Technology, applied instrumental or voice lessons, equivalent musical experience, and/or instructor approval.

IB Music is a two-year course. Students will listen and analyze music from all across the world throughout history, making connections across genres, cultures, and time. Over both years, students will participate in musical creativity, analysis and study, keeping a portfolio of their work. At the end of the second year, students will submit selections of their portfolio as their final grade to the IB Programme. For all students, this final submission includes a detailed account of musical exploration, an account of performative and compositional experimentation, and a collection of solo and/or group performances. Additionally HL students create a project and presentation on an in-depth musical experience. It is ***strongly recommended*** that students have musical experience prior to taking IB Music, including completion of the Honors Music Theory course.

Visual Arts

ART I

Grade: 9-12

Credit: 1.0

This high school foundation course focuses on increasing artistic technical skills and craftsmanship; knowledge and utilization of art elements, principles of art, and art analysis. Students develop refined personal expression, contextual meaning, and technical processes through exploration in 2-D, 3-D, and mixed media art. Visual journals are utilized daily to explore new materials, techniques, and themes.

ART II

Grade: 10-12

Credit: 1.0

Prerequisite: Art I

This high school advanced course focuses on increasing artistic technical skills and craftsmanship allowing for more accurate personal expression, meaning, and effects in personal artwork. Student's advanced exploration in 2-D, 3-D, mixed media art, elements and principles of art, and art analysis are further developed providing a foundation for Honors and IB coursework. Visual journals are utilized daily to explore new materials, techniques, and themes.

ART III (HONORS)

Grade: 11, 12

Credit: 1.0

Prerequisites: Art I, II and teacher recommendation

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.

CERAMICS

Grade: 9-12

Credit: 0.5

Ceramics provides hands-on experiences with handbuilding and wheel throwing processes. Students will explore the principles of art and techniques in design and construction using clay to construct handbuilt vessels one quarter and the technical skills for wheel throwing the second quarter. Students will learn glazing techniques and firing processes.

This course may be combined with another Visual/ Performing Arts semester course in order to fulfill the Visual/Performing Arts credit.

Course participation limited to 10.

DIGITAL PHOTOGRAPHY

Grade: 10-12

Credit: 0.5

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 DSLR digital camera for this course.**

DIGITAL ART

Grade: 10-12

Credit: 0.5

Pre or Co-requisite: Art I

Digital Art introduces students to a variety of digital art techniques and processes to prepare for future careers. This class uses Photoshop to encourage students to draw/paint freehand. Students learn how to use Wacom and surface pro tablets. Students will complete projects such as the musical poster (graphic design), landscape digital painting (illustration), Caldecott book layouts (graphic design, illustration), and storyboards (animation, concept art, illustration). Smaller exercises will include basic computer operation, Photoshop tool use and recognition, painting warmups and studies, and basic animation introduction. In class discussion will cover basic knowledge of computer parts and basic portfolio website setup. This class prepares students interested in the various fields of digital art to enter college with an understanding of the basis of these majors and have a confident start.

Minimum of 6 students. Students may receive 0.5 credit in technology.



**INTERNATIONAL BACCALAUREATE (IB)
VISUAL ARTS (SL/HL) -- YEAR ONE**

Grade: 11

Credit: 1.0

Prerequisite: Art I and Art II

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 a Visual Journal 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.

GRADE 11 ELECTIVES

Business Electives

ACCOUNTING I

Grade: 10-12

Credit: 0.5

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.

INTRO TO LAW

Grade: 11-12

Credit: 0.5

This semester course, offered to Juniors and Seniors, is designed as a survey course and will include an introduction to the United States legal system, business law, business ethics, and explores careers in law, law enforcement, as well as civil and criminal law. It includes current events by discussing how a law is made and any bills that may become law. We look at state vs. national laws. Students take a field trip to the municipal and Lucas County courts to watch actual trials and may even meet with judges and others involved in law enforcement.



INTERNATIONAL BACCALAUREATE (IB) BUSINESS MANAGEMENT (SL/HL) -- YEAR ONE

Grade: 11

Credit: 1.0

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 sociocultural and economic contexts in which those organizations operate. The course covers the key characteristics of business organization and environment and the business functions of human resource management, finance and accounts, marketing, and operations management. Links between the topics are central to the course.

Journalism Electives

JOURNALISM I

Grade: 10-12

Credit: 1.0

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. Careers in Journalism and related fields will be explored.

JOURNALISM II (BROADCAST)

Grade: 11-12

Credit: 1.0

Prerequisites: Journalism I and 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.

JOURNALISM II (NEWSPAPER)

Grade: 11-12

Credit: 1.0

Prerequisites: Journalism I and Teacher Recommendation

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

JOURNALISM II (YEARBOOK)

Grade: 11-12

Credit: 1.0

Prerequisites: Journalism I plus Teacher Recommendation

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

General Electives

ACT/SAT PREP

Grade: 10-11

Credit: 0.5

10th grade: Co/Prerequisite Math II available for 2nd semester only

11th & 12th grade: Prerequisite Math II or currently taking Math II

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 and comfort and decrease anxiety. The course is structured around concept lectures, paper and pencil group and individual exercises, full length practice testing, and review.

CULTURE & LITERATURE

Grade: 10-12

Credit: 0.5

Available next in 2025/26 School Year

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.

GRADE 11

CREATIVE WRITING

Grade: 10-12

Credit: 0.5

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.

EXPLORING SHAKESPEARE THROUGH FILM AND TEXT

Grade: 10-12

Credit: 0.5

Available next in 2026/27 School Year

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.

FAITH AND REASON (HONORS)

Grade Level: 11, 12

Credit: 0.5

Prerequisite: B Average in Theology class OR Teacher Recommendation

This course introduces students to the dynamic dialogue between theological studies and intellectual inquiry. Through rigorous examination and spirited debate, students will delve into the profound connections between belief and critical thinking. Topics to be covered include the elements of a logical argument, in depth arguments for the existence of God, the relationship between faith and science, the historical authenticity of the Bible, the evidence and witness of miracles, and more. Through an apologetics approach, students will learn how to use reason to explain and defend the Catholic faith as they prepare to engage in a more critical and increasingly secular culture. This semester honors level elective course is open to all junior and senior students.

WEB Leader Program

Grade: 11

Credit: 1.0

Prerequisite: Application and Interview process, attendance at WEB training day

The WEB leaders will work with 7th and 8th grade students to build mentoring relationships and model how to be successful in school. WEB leaders will support 7th and 8th graders to be academically successful and develop their character in line with the NDA mission. WEB leaders will connect with their groups outside of the classroom at social events to increase student engagement and promote a positive school climate. WEB leaders will also connect with their groups on a more individual basis throughout the school year. In class WEB leaders will learn leadership skills, communication skills, and how to navigate situations involving group dynamics.

GRADE 12 CORE COURSES

English

ENGLISH IV (COLLEGE PREP)

Grade Level: 12

Credit: 1.0

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.

ADVANCED PLACEMENT (AP) ENGLISH LITERATURE & COMPOSITION

Grade Level: 12

Credit: 1.0

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

INTERNATIONAL BACCALAUREATE (IB) LITERATURE HL -- YEAR TWO

Grade Level: 12

Credit: 1.0

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 essay 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. Students are required to take all IB tests or assigned projects with the possibility of earning college credit depending on the score.

Mathematics

MATH III (COLLEGE PREP)

Grade Level: 10-12

Credit: 1.0

Prerequisite: Math II

This course is a continuation of the Math II course. It includes the study of Algebra (sequences and series, radical expressions and equations, functions including polynomial, exponential, logarithmic, radical, rational, and piecewise), Non-Right Triangle Trigonometry, and Statistics (distributions, sampling methods, and statistical tools).

MATH IV (COLLEGE PREP)

Grade Level: 11-12

Credit: 1.0

Prerequisite: Math III

This course covers topics that both prepare students for an introductory collegiate mathematics course, as well as real-world topics students will need to know and understand for life after high school. These topics include but are not limited to: Banking, Credit, Financing College, Algebra, Geometry, and Trigonometry *This course provides a comprehensive review of Math I-II and is designed for students who are not looking to go into Mathematics related career fields.

STATISTICS & PROBABILITY (COLLEGE PREP)

Grade Level: 11-12

Credit: 1.0

Prerequisite: Math III or teacher recommendation.

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.

GRADE 12

PRE-CALCULUS (HONORS)

Grade Level: 10-12

Credit: 1.0

Prerequisite: 87% average or better in current Math III Honors class at time of registration and teacher recommendation.

Admission for all other students requires department approval and additional Math Placement Test.

This course continues an in-depth study of Algebra, Functions, and Trigonometry as well as an introduction to Limits and the Derivative. This course is intended for students that will take Calculus the following year in either high school or college. Students will have the option to take the AP PreCalculus exam in May.

ADVANCED PLACEMENT (AP) CALCULUS (AB)

Grade Level: 11-12

Credit: 1.0

Prerequisite: 87% average or better in current Pre-Calculus Honors class at time of registration and department approval

Admission for all other students requires teacher recommendation and additional Math Placement test.

Students should 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 with the possibility of earning college credit depending on score.**

INTERNATIONAL BACCALAUREATE (IB) MATHEMATICS APPLICATIONS AND INTERPRETATIONS (SL) -- YEAR TWO

Grade Level: 12

Credit: 1.0

Prerequisite: IB Mathematics Applications and Interpretations (SL) -Year One

IB Mathematics: Applications and Interpretations SL is for students who are interested in developing their mathematics for describing our world and solving practical problems. They will also be interested in harnessing the power of technology alongside exploring mathematical models. Students who take Mathematics: Applications and Interpretations will be those who enjoy mathematics best when seen in a practical context. Topics in year two include an

introduction to Differential and Integral Calculus, and Probability and Statistics. 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. Students are required to take all IB tests or assigned projects with the possibility of earning college credit depending on the score.

Minimum class size of 12.

INTERNATIONAL BACCALAUREATE (IB) MATHEMATICS ANALYSIS AND APPROACHES (SL) -- YEAR TWO

Grade Level: 12

Credit: 1.0

Prerequisite: IB Mathematical Analysis and Approaches (SL) -Year One

IB Mathematics: Analysis and Approaches SL is for students who enjoy developing their mathematics to become fluent in the construction of mathematical arguments and develop strong skills in mathematical thinking. They will also be fascinated by exploring real and abstract applications of these ideas with and without technology. Students who take Mathematics: Analysis and Approaches will be those who enjoy the thrill of mathematical problem solving and generalization. Topics in year two include Statistics, Differential, and Integral 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. Students are required to take all IB tests or assigned projects with the possibility of earning college credit depending on the score.



**INTERNATIONAL BACCALAUREATE (IB)
MATHEMATICS ANALYSIS AND APPROACHES
(HL) -- YEAR TWO ONLINE COURSE**

Grade Level: 12

Credit: 1.0

There is a strong emphasis on Calculus (assuming you are familiar already with Pre-Calc concepts) and on algebraic, graphical, and numerical approaches. In this course, students will develop strong skills in mathematical thinking and become fluent in the construction of mathematical arguments. The course is designed for students who wish to study mathematics as a subject in its own right or to pursue their interests in areas related to mathematics. It will appeal to students who are interested in exploring real and abstract applications of mathematical concepts. This course is suitable for students who may go on to further study in subjects that have a significant level of mathematics content (focus on calculus), for example, mathematics itself, engineering, physical sciences, or economics. Students who wish to take the HL course should have strong algebraic skills and self-discipline to work independently as well as communicating on a regular basis with the instructor as they would here at NDA. This course is for our more advanced Math students and will be taken with students from all over the world lending a unique approach to learning. There is a fee for this course. Students are required to take all IB tests or assigned projects with the possibility of earning college credit depending on the score.

Benefits of taking this online course:

- Develop independence in learning and time-management
- Develop ability to work in a connected world
- Become experienced in a wide range of online learning tools
- Better cope with online learning demands in higher education
- Math HL is recognized by universities

Theology

Seniors must choose Worlds Religions course and one other course - either Faith in Action or Catholic Leadership Seminar to complete the Theology 1.0 required credit:

FAITH IN ACTION (SOCIAL TEACHINGS)

Grade Level: 12

Credit: 0.5

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. An emphasis is placed on theological reflection on the service hours that they are required to complete over their four years at NDA through Campus Ministry.

WORLD RELIGIONS

Grade Level: 12

Credit: 0.5 (required for all seniors)

This course will explore the major religious traditions of the world. Basic elements of each religion such as doctrines, sacred writings, sacred stories, symbols, and rituals will be described and explained. Through a comparative approach, students will recognize the ways in which other systems of belief and practice differ from Catholicism while also recognizing their similarities. Also included will be the theological perspective of the Catholic Church on interfaith dialogue. Through these encounters, students will be empowered to build relationships and value interreligious dialogue as they discover how to be instruments of peace in our world.

CATHOLIC LEADERSHIP SEMINAR (HONORS)

Grade Level: 12

Credit: 0.5

Prerequisite: Application and Interview Process, Instructor Approval and Retreat Day.

Through this course, students will discover the riches of the Catholic spiritual tradition and apply it to their work as 21st century servant leaders. Students will reflect on their own faith journey thus far through writing witness talks to be presented at school retreats. Students will cultivate leadership traits such as emotional intelligence and dialogical skills to serve as

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small-group leaders and guides to underclasswomen during their retreats. Students will also learn more about the spiritual principles of the Sisters of Notre Dame and cultivate a love of scripture and prayer through studies in the wisdom of Ignatian Spirituality.

Science

ANATOMY/PHYSIOLOGY (COLLEGE PREP)

Grade Level: 11, 12

Credit: 1.0

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, explorations into the students' personal physiology, and women's health issues. This class incorporates learning opportunities with the Anatomage table.

ANATOMY/PHYSIOLOGY (HONORS)

Grade Level: 11, 12

Credit: 1.0

Prerequisites: B average in both Biology and Chemistry and teacher recommendation

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. This class incorporates learning opportunities with the Anatomage table.

PHYSICS (HONORS)

Grade Level: 11, 12

Credit: 1.0

Prerequisites: B average in Chemistry and Math; Chemistry or Math teacher recommendation.

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.



INTERNATIONAL BACCALAUREATE (IB) PHYSICS (SL) -- YEAR TWO

Grade Level: 12

Credit: 1.0

Prerequisite: IB Physics SL year 1

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. Students 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. Students are required to take all IB tests or assigned projects with the possibility of earning college credit depending on the score.



INTERNATIONAL BACCALAUREATE (IB) PHYSICS (HL) -- YEAR TWO

Grade Level: 12

Credit: 1.0

Prerequisite: IB Physics HL year 1

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, 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. Students 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. Students are required to take all IB tests or assigned projects with the possibility of earning college credit depending on the score.


**INTERNATIONAL BACCALAUREATE (IB)
BIOLOGY (HL) -- YEAR TWO**

Grade Level: 12

Credit: 1.0

Prerequisite: IB Biology year 1

The second year of this two-year rigorous curriculum will focus on a variety of topics such as genetics, genetic modification and biotechnology, and human anatomy and physiology. 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. Critical thinking, communication, and analytical skills will be emphasized. At the end of year 1, students will begin the IB Internal Assessment, a formal lab which will be designed, implemented, and analyzed by the student. At the end of year 2, students will take the IB External Assessment, which includes one objective and two free response assessments. This class incorporates learning opportunities with the Anatomage table. Students are required to take all IB tests or assigned projects with the possibility of earning college credit depending on the score.

ENVIRONMENTAL SCIENCE (COLLEGE PREP)

Grade Level: 11, 12

Credit: 1.0

Prerequisites: Biology and Chemistry

This 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 climate change, 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.

INTRODUCTION TO MOLECULAR GENETICS (HONORS)

Grade Level: 11, 12

Credit: 0.5

Available next in 2025/2026 School Year

Prerequisites: B average in Biology, Chemistry, and teacher recommendation. Available in odd years only.

This lab course explores the world of DNA and how advances in DNA technology affect our everyday lives. Students will: isolate DNA, insert genes, amplify specific DNA sequences using PCR technology, and 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.

Minimum class size of 12.

ORGANIC CHEMISTRY (HONORS)

Grade Level: 11, 12

Credit: 0.5

Available next in 2025/26 School Year

Prerequisites: Honors Chemistry (B average or above) or regular Chemistry with teacher recommendation. Available in odd years only.

Organic chemistry is the study of carbon-containing molecules which are the molecules of life. Students will study introductory organic chemistry topics including IUPAC nomenclature, bonding, synthesis of organic compounds, and molecular modeling as well as mechanisms of chemical reactions. Students will be introduced to modern organic chemistry analysis methods. **Minimum class size of 12.**

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AP ADVANCED PLACEMENT (AP) ENVIRONMENTAL SCIENCE

Grade Level: 11, 12

Credit: 1.0

Prerequisites: Biology and Chemistry, overall science average >3.0, and Science teacher recommendation

This interdisciplinary course will provide students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world. Students will identify and analyze environmental problems, both natural and human-made, and evaluate the relative risks associated with these problems. Students will also examine possible solutions to various environmental issues. The topics will include a study of ecosystems, population biology, land and water use, energy resources and consumption, pollution, and global change. The curriculum is aligned with College Board guidelines. The pace and content of the course demand highly self-motivated students willing to spend extra time learning new content. **Students are required to take the AP test with the possibility of earning college credit depending on score.**

Minimum class size of 12.

AP ADVANCED PLACEMENT (AP) CHEMISTRY II

Grade Level: 11, 12

Credit: 2.0

Available next in 2026/27 School Year

Prerequisites: A average in both Biology and Honors Chemistry, Teacher recommendation Physics is highly recommended as co- or prerequisite.

Double block required – offered in even years only.

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 and 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 with the possibility of earning college credit depending on score.**
Minimum class size of 12.

Social Studies

AP ADVANCED PLACEMENT (AP) HUMAN GEOGRAPHY

Grade Level: 10-12

Credit: 1.0

Prerequisite: World History or Honors World History

AP Human Geography is organized around the discipline's main subfields: economic, cultural, political, and urban geography. Specific topics include: consequences of population growth, struggles over political power and control of territory, conflicts over the demands of ethnic minorities, the role of women, the inequalities between developed and developing economies, and role of climate change and environmental abuses in shaping the human landscapes. Students will develop skills in approaching problems geographically, using maps and geospatial technologies, and thinking critically about texts and images. Students will see geography as a source of ideas for identifying and solving problems at various scales, and as a component of building global citizenship and environmental stewardship. **Students are required to take the AP test with the possibility of earning college credit depending on score.**

The following criteria are considered for admission to this course:

1. Recommendation of World History or US History teacher (A/B+ in World History, Honors World History or U.S. History)
2. A/B+ in English or Honors English

U.S. GOVERNMENT

Grade Level: 11-12

Credit: 0.5

Prerequisite: U.S. History or IB HOTA

This is a comprehensive course that examines the Constitution, elections, 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 active citizens in society.

*All students are required to complete the Government

Semester Project in conjunction with this required course. Students are to complete 4 hours of participation in the political process. This may include, but not limited to: campaigning for a candidate or issue, attending a local government or school board meeting, shadowing an elected official, or attending other government related events. The project requires students to obtain the proper signatures and documentation. Extensions are not given for late projects.

**AP[®] ADVANCED PLACEMENT (AP)
U.S. GOVERNMENT AND POLITICS**

Grade Level: 11, 12
Credit: 1.0

Prerequisite: AP US H or U.S. History; IB HOTA

This yearlong course is a college-level introduction to key political concepts, ideas, institutions, policies, interactions, roles, and behaviors that characterize the Constitutional system and political culture of the United States. Students will read and analyze U.S. founding documents, Supreme Court decisions, and other texts and visuals to gain an understanding of the relationships and interactions between political institutions and behavior. They will read and interpret data, develop evidence-based arguments and engage in an applied civics or politics research-based project. 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 with the possibility of earning college credit depending on score.**

The following criteria are considered for admission to this course:

1. A/B in U.S. History or IB HOTA
2. A/B in English III Honors or A in English III

*All students are required to complete the Government Semester Project in conjunction with this required course. Students are to complete 4 hours of participation in the political process. This may include, but not limited to: campaigning for a candidate or issue; attending a local government or school board meetings, shadowing an elected official or attending other government related events. The project requires students to obtain the proper signatures and documentation. Extensions are not given for late projects.

***Minimum class size of 12.**

PSYCHOLOGY

Grade Level: 11, 12
Credit: 0.5

Psychology is a semester course that explores insights into the behavior of individuals and groups. Topics covered include (but are not limited to) the brain, memory, sensation and perception, psychological disorders, learning, emotions, conformity and obedience, dreamanalysis, and social psychology.

**AP[®] ADVANCED PLACEMENT (AP)
PSYCHOLOGY**

Grade Level: 11-12
Credit: 1.0

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 with the possibility of earning college credit depending on score.**

The following criteria are required for admission:

1. A/B in English
2. A/B in U.S. History

SOCIOLOGY

Grade Level: 11, 12
Credit: .5

In this semester course, students will study human interaction through application of the scientific method of observation and analysis. This course includes studies of culture, diversity and conformity, social structure, socializing the individual, social control and deviance, and race/ethnicity. The goal of this class is to deepen student interest and awareness of human behavior and interaction, as well as sharpen analytical skills.

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21st CENTURY GLOBAL ISSUES

Grade Level: 11, 12

Credit: 0.5

The topics explored in this semester elective course are largely student driven and utilize current print, digital, literacy, and even cinematic sources to delve into global social, political, and economic issues. The diversity of class topics reflects the diversity of issues in the world. In the past these topics have included terrorism, immigration, human trafficking, and environmental sustainability. The course is designed to inform and ultimately inspire students to think critically about the pressing issues in their world. Students will emerge with a greater global awareness and confidence in their ability to articulate informed positions on important issues.

WOMEN'S STUDIES

Grade Level: 11, 12

Credit: 0.5

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.

ECONOMICS

Grade Level: 11, 12

Credit: 0.5

Economics is the study of how individuals, businesses, and governments make decisions about the use of scarce resources in the world of unlimited wants and needs. This is done at both the microeconomic and macroeconomic level; both will be examined. Topics include types of businesses and markets, government's role in the marketplace including taxes and spending, banking and investment, inflation and recession, economic statistics and theory, and the development of the global market and multinational organizations. This semester course aims to provide students with theoretical underpinnings and functional economic knowledge to become an informed consumer, producer, and citizen. Emphasis is on application of skills as well as relating topics to

history and politics. Recommended for college-bound students interested in business.



INTERNATIONAL BACCALAUREATE (IB) HISTORY OF THE AMERICAS (HL) YEAR TWO

Grade Level: 12

Credit: 1.0

Prerequisite: IB History - Year One

The second year of IB HOTA 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. Students are required to take all IB tests or assigned projects with the possibility of earning college credit depending on the score.

Modern & Classical Languages

FRENCH I (COLLEGE PREP)

Grade: 8-12
Credit: 1.0

This is a beginning French course which introduces the student to the French language and culture. The course enables the students to develop their cultural and communication skills: listening and reading comprehension through the use of authentic material, speaking fluently in the target language through immersion, fluency through the process of dialogue, and writing accuracy through the use of cultural projects.

FRENCH I (HONORS)

Grade: 8-12
Credit: 1.0

This is a beginning French course which introduces the student to the French language and culture. The course enables the students to develop cultural and communication skills through the use of authentic materials, speaking fluently in the target language through immersion and dialogue, and writing accuracy through the use of cultural projects. The course proceeds at a more advanced pace than College Prep and assignments and assessments will be more challenging. **Admission to this course requires the recommendation of the current English teacher.**

FRENCH II (COLLEGE PREP)

Grade: 9-12
Credit: 1.0

Prerequisite: French I or French I Honors

This second course in French offers the opportunity to further develop the communication skills begun in French I. Students will complete the study of the main grammatical concepts within the target language emphasizing the understanding of the French people and their culture. Authentic materials and communication using the target language will allow the students to learn more about tradition and culture of Francophone countries.

FRENCH II (HONORS)

Grade: 9-12
Credit: 1.0

Prerequisite: B average in French I Honors or an A average in French I College Prep

The second course in French offers the opportunity to further develop the progression of communication skills begun in French I. Students will complete the study of the main grammatical concepts within the target language emphasizing the understanding of the French people and their culture. Extension of authentic materials and communication using the target language will allow the students to learn more about tradition and culture of Francophone countries. The communication, grammar, and cultural skills extensions within the target language will be assessed using a greater level of critical thinking skills that will be assessed using formal and informal assessments. **Admission to this course requires the recommendation of the French teacher.**



INTERNATIONAL BACCALAUREATE (IB) FRENCH (SL) -- YEAR TWO

Grade: 12
Credit: 1.0

Prerequisite: IB French SL- Year One

During this course, students will refine their ability to communicate and understand French in written and spoken forms. IB course 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 listening accurately, fluently, and in a manner appropriate to the cultural and social context. Students are required to take all IB tests or assigned projects with the possibility of earning college credit dependant upon the score.

LATIN I (COLLEGE PREP)

Grade: 8-12
Credit: 1.0

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.

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LATIN I (HONORS)

Grade: 8-12

Credit: 1.0

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. Worksheets and other assessments will be given daily and graded on accuracy. These will not be given to Latin I College Prep students. Additionally, students will be tested on culture and translating sentences on tests. **Admission to this course requires the a recommendation of the current English teacher.**

LATIN II (COLLEGE PREP)

Grade: 9-12

Credit: 1.0

Prerequisite: Latin I or Latin I Honors

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 mythology.

LATIN II (HONORS)

Grade: 9-12

Credit: 1.0

Prerequisite: B average in Latin I Honors or an 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. Worksheets and other assessments will be given daily and graded on accuracy. **These will not be given to Latin II College Prep students.** Additionally, students will be tested on culture and translating sentences on tests. **Admission to this course requires the recommendation of the Latin teacher.**



INTERNATIONAL BACCALAUREATE (IB) LATIN (SL/HL) -- YEAR TWO

Grade: 12

Credit: 1.0

Prerequisite: IB Latin Year One

This course seeks to have students apply the knowledge acquired in previous 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. Students are required to take all IB tests or assigned projects with the possibility of earning college credit depending on the score.

Admission to this course requires teacher recommendation.

Minimum class size of 12.

SPANISH I (COLLEGE PREP)

Grade: 8-12

Credit: 1.0

This is a beginning course in Spanish in which students are introduced to Hispanic culture and language as it is experienced by millions of people 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 and reading comprehension, and speaking and writing for accuracy. Cultural awareness and Hispanic customs are integrated into the curriculum through readings, projects and videos.

SPANISH I (HONORS)

Grade: 8-12

Credit: 1.0

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 is additional emphasis on conversation, reading, and composition skills. **Admission to this course requires the a recommendation of the current English teacher.**

SPANISH II (COLLEGE PREP)

Grade: 9-12

Credit: 1.0

Prerequisite: Spanish I

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, grammatical concepts, vocabulary, and the traditions and culture of Spanish-speaking countries.

development, cultural awareness and class discussion. The class is conducted primarily in Spanish.

Admission to this course requires teacher recommendation. Minimum class size of 12.

SPANISH II (HONORS)

Grade: 9-12

Credit: 1.0

Prerequisite: B average in Honors Spanish I or an A average in Spanish I College Prep

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 primarily in Spanish. **Admission to this course requires the recommendation of the current Spanish teacher.**

SPANISH IV (COLLEGE PREP)

Grade: 10-12

Credit: 1.0

Prerequisite: Spanish III or Spanish III Honors

This course provides provides students the opportunity to deepen their knowledge and appreciation of the Spanish language and Hispanic culture. Students will sharpen their reading, writing, and speaking skills through grammar study, thematic vocabulary units, and cultural projects. Hispanic history, geography, and culture will be studied through readings. The class is conducted primarily in Spanish.

Minimum class size of 12.

SPANISH III (COLLEGE PREP)

Grade: 9 -12

Credit: 1.0

Prerequisite: Spanish II

This course reviews some major grammatical concepts from level 2 and continues with advanced grammar structures and vocabulary building. There is a continued expectation of using the language orally and in written format. Target language readings exploring the geography, history, culture and customs of Spain and Mexico are also a focus at this level. The class is conducted primarily in Spanish.

Minimum class size of 12.



**INTERNATIONAL BACCALAUREATE (IB)
SPANISH (SL) -- YEAR TWO**

Grade: 12

Credit: 1.0

Prerequisite: IB Spanish Year One

During this course, students will refine their ability to communicate and understand Spanish in written and spoken forms. IB course 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 listening, 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. Students are required to take all IB tests or assigned projects with the possibility of earning college credit depending on the score.

Minimum class size of 12.

SPANISH III (HONORS)

Grade: 9-12

Credit: 1.0

Prerequisite: B average in Honors Spanish II or an A average in Spanish II + teacher recommendation.

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

IB Diploma Only

INTERNATIONAL BACCALAUREATE (IB) THEORY OF KNOWLEDGE (TOK)

Grade: 11-12

Credit: 1.0

“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. Students are required to take all IB tests or assigned projects with the possibility of earning college credit depending on the score.

INTERNATIONAL BACCALAUREATE (IB) EXTENDED ESSAY (EE)

Grade: 11-12

Credit: 1.0

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. Students are required to take all IB tests or assigned projects with the possibility of earning college credit depending on the score.

INTERNATIONAL BACCALAUREATE (IB) CREATIVITY, ACTION & SERVICE (CAS)

Grade: 11-12

Credit: 1.0

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.

Physical Education & Health

RECREATIONAL ACTIVITIES

Grade: 8-12

Credit: 0.25

This course will provide a variety of social, emotional, and physical learning through activity. Students will be exposed to beginner weight room instruction, individualized fitness programs through the PLT4M app, self-defense and various team and individual sports. Improving and increasing awareness in flexibility, balance, overall fitness, and a healthy lifestyle will be emphasized. Students will be assessed through participation in class, written work, unit quizzes and final project/exam. **Students who previous enrolled in PE 1 and/or PE 2 are not eligible for this course.**

PERSONAL TRAINING & NUTRITION

Grade: 9-12

Credit: 0.25

This course is a hybrid class with 50% activity-based learning and 50% traditional classroom style learning. This class will emphasize many aspects of fitness--- cardiovascular, strength, flexibility and balance and coordination. Fitness activities will include yoga, body weight training, pilates, weight training and more. The students will develop a personal fitness plan. In addition, we will look at how nutrition relates to fitness and leading a healthy lifestyle. Students will develop a basic nutrition plan.

FOUNDATIONS OF MOVEMENT

Grade: 10-12

Credit: 0.25

This course provides students with the basic scientific principles and concepts of kinesiology, exercise science, and sports. Students will learn the background of those areas in our society, they will explore how the body moves and why. Lab experiences will extend these concepts into practical applications. Students will also learn and practice the Functional Movement Screen (FMS). This course is designed to give the students a solid understanding of sport science as a basis for many college majors/related careers. This is not primarily an activity based class.

HEALTH

Grade: 8-12

Credit: 0.5

This course is designed as an overview of basic health related topics with an emphasis on how these relate to women and achieving wellness. Some areas covered are: understanding the difference between health and illness, stating behaviors that help to develop and maintain physical and mental wellness, being able to choose a healthy diet, understanding basic human biology and the major disorders of body systems, and understanding the effect of smoking, alcohol, and drug abuse on the various systems of the body. Students will develop strategies to improve self-image, build friendships, and achieve goals.

Recommended for Grades 8, 9, or 10.

GRADE 12

Technology

COMPUTER APPLICATIONS

Grade: 8-12

Credit: 0.5

This introductory course is designed to give the student a comprehensive knowledge of MS Office and using Google apps (Drive/Classroom/docs/sheets/forms). 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.

AP ADVANCED PLACEMENT (AP) COMPUTER SCIENCE

Grade: 10-12

Credit: 1.0

Prerequisite: Math III with a 93% minimum grade OR Web Design & Coding and Math I or Math I Honors with an overall score of at least 87% and recommendation of the teacher.

This is a rigorous college level course designed to prepare students for advanced coursework and potential career pathways in computer science while challenging them to explore how computing and technology can impact the world. This course is meant to be the equivalent of a first semester college level course in computer science. It will emphasize problem solving and use hands-on experiences and examples so that students can apply programming tools and solve complex problems.

DIGITAL ART

Grade: 10-12

Credit: 0.5

Pre or Co-requisite: Art I

Digital Art introduces students to a variety of digital art techniques and processes to prepare for future careers. This class uses Photoshop to encourage students to draw/paint freehand. Students learn how to use Wacom and surface pro tablets. Students will complete projects such as the musical poster (graphic design), landscape digital painting (illustration), Caldecott book layouts (graphic design, illustration), and storyboards (animation, concept art, illustration). Smaller exercises will include basic computer operation, Photoshop tool use and recognition, painting warmups and studies, and basic animation introduction. In class discussion will cover basic knowledge of computer parts and basic portfolio website setup. This class prepares students interested in the various fields of digital art to enter college with an understanding of the basis of these majors and have a confident start.

Minimum of 6 students. Students may receive 0.5 credit in technology.

MUSIC TECHNOLOGY

Grade: 9-12 Credit: 0.5

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 0.5 credit in Visual/Performing Arts or Technology.

WEB DESIGN & CODING

Grade: 8-12

Credit: 0.5

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.

GRADE 12 ARTS COURSES

Performing Arts

SPEECH & DRAMA I

Grade: 9-12

Credit: 1.0 **(Full Year includes Semester A&B)**

This course is designed to give students a broad base in communication skills and theatre 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.

SPEECH & DRAMA I - A

Grade: 9-12

Credit: 0.5

This one semester class will give students techniques to deal with stage fright, public speaking, and acting fundamentals. Students will write and deliver a variety of speeches. They will study theatre 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.

SPEECH & DRAMA I - B

Grade: 9-12

Credit: 0.5

Pre-Requisite: Speech & Drama I - A

This one semester 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 I - A.

ADVANCED DRAMA

Grade: 10-12

Credit: 1.0

Prerequisite: Speech & Drama I, I-A or I-B with an overall score of at least 85%

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 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 theatre history in greater depth. The course work will allow for students to participate in this class for one or two years. *Advanced Drama Honors classes will cover the same material as Advanced Drama, but with more academic rigor.*



INTERNATIONAL BACCALAUREATE (IB) THEATRE (SL) -- YEAR TWO

Grade: 12

Credit: 1.0

Prerequisite: IB Theatre Year One

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 on 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. Students are required to take all IB tests or assigned projects with the possibility of earning college credit depending on the score.

GRADE 12

DANCE I- BEGINNER/INTERMEDIATE

Grade: 9-12

Credit: 0.5

This semester course is a beginning/intermediate level dance course that focuses mainly on jazz and hip hop techniques, but also covers musical theatre, contemporary, and student choreography. Open to anyone interested in dance. This course may be combined with another Visual/Performing Arts semester course in order to fulfill the Visual Arts/Performing Arts credit.

DANCE II- INTERMEDIATE/ADVANCED

Grade: 9-12

Credit: 0.5

Prerequisite: High intermediate level of jazz technique. Instructor approval is needed and an audition is required.

This semester course is offered to our higher level dance students in the styles of jazz, contemporary, hip hop, musical theatre and choreography. These students dance for the entire class period and perform in a showcase that includes choreography from our dance instructors and most importantly from student choreography. This is an intense class with high level warmups and technique. A great level of dedication is required. Students must audition and have instructor approval.

Music

CHORUS I, II, III, IV

Grade Level: 9-12

Credit: 1.0

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.

HONORS CHOIR

Grade: 10-12

Credit: 1.0

Prerequisite: teacher recommendation

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.

VOICE CLASS

Grade: 9-12

Credit: 0.5

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.

ADVANCED VOICE CLASS

Grade: 10-12

Credit: 0.5

Prerequisite: Voice Class or teacher recommendation

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.

PIANO & GUITAR CLASS

Grade: 9-12

Credit: 0.5

Students will choose to learn either piano or guitar in a workshop setting. Students will choose their own music to study and explore various resources to help in their musical learning with the instructor providing regular guidance and feedback. Students are welcome to bring their own acoustic guitars. All levels of study from beginner to advanced are encouraged to take this course.

Maximum class size of 15.

HONORS MUSIC THEORY

Grade: 10-12

Credit: 0.5

Prerequisite: One of the following- Choir, Orchestra, Music Technology, applied instrumental or voice lessons, equivalent musical experiences, and/or instructor approval.

Over the course of one semester, students will explore how music works on a structured level. We will explore how seemingly random sounds have been organized to create the music that we hear in our everyday lives. A number of topics will be covered including harmony, rhythm, melody-writing, part-writing, composition, and orchestration, among others. Students may, with instructor recommendation, pursue a more rigorous course of study culminating in a completion of the AP Music Theory exam in May. No prior musical experience is required, but is extremely helpful. This class is strongly recommended for any student interested in taking IB Music.

ORCHESTRA I, II, III, IV

Grade: 9-12

Credit: 0.5 for one semester or 1.0 for full year

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. It is strongly recommended that students own or rent their own instrument.

ORCHESTRA I, II, III, IV (HONORS)

Grade: 9-12

Credit: 1.0 for full year

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! It is strongly recommended that students own or rent their own instrument. **Teacher recommendation and/or audition required.**


MUSIC TECHNOLOGY

Grade: 9-12

Credit: 0.5

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 0.5 credit in Visual/Performing Arts or Technology.

 **INTERNATIONAL BACCALAUREATE (IB) MUSIC (SL/HL) -- YEAR TWO**

Grade: 12

Credit: 1.0

Prerequisite: IB Music Year One

IB Music is a two-year course. Students will listen and analyze music from all across the world throughout history, making connections across genres, cultures, and time. Over both years students will participate in musical creativity, analysis and study, while keeping a portfolio of their work. At the end of the second year, students will submit selections of their portfolio as their final grade to the IB Programme. For all students, this final submission includes a detailed account of musical exploration, an account of performative and compositional experimentation, and a collection of solo and/or group performances. Additionally HL student will create a project and presentation on an in-depth musical experience.

GRADE 12

Students are required to take all IB tests or assigned projects with the possibility of earning college credit depending on the score. It is ***strongly recommended*** that students have musical experience prior to taking IB Music, including completion of the Honors Music Theory course.

Visual Arts

ART I

Grade: 9-12

Credit: 1.0

This high school foundation course focuses on increasing artistic technical skills and craftsmanship; knowledge and utilization of art elements, principles of art, and art analysis. Students develop refined personal expression, contextual meaning, and technical processes through exploration in 2-D, 3-D, and mixed media art. Visual journals are utilized daily to explore new materials, techniques, and themes.

ART II

Grade: 10-12

Credit: 1.0

Prerequisite: Art I

This high school advanced course focuses on increasing artistic technical skills and craftsmanship allowing for more accurate personal expression, meaning, and effects in personal artwork. Student's advanced exploration in 2-D, 3-D, mixed media art, elements and principles of art, and art analysis are further developed providing a foundation for Honors and IB coursework. Visual journals are utilized daily to explore new materials, techniques, and themes.

ART III (HONORS)

Grade: 11, 12

Credit: 1.0

Prerequisites: Art I, II and teacher recommendation

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.

ART IV (HONORS)

Grade: 12

Credit: 1.0

Prerequisites: Art I, II, III or IB Visual Arts Year 1 and teacher recommendation

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.

CERAMICS

Grade: 9-12

Credit: 0.5

Ceramics provides hands-on experiences with handbuilding and wheel throwing processes. Students will explore the principles of art and techniques in design and construction using clay to construct handbuilt vessels one quarter and the technical skills for wheel throwing the second quarter. Students will learn glazing techniques and firing processes.

This course may be combined with another Visual/ Performing Arts semester course in order to fulfill the Visual/Performing Arts credit.

Course participation limited to 10.

DIGITAL PHOTOGRAPHY

Grade: 10-12

Credit: 0.5

Pre or Co-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 DSLR digital camera for this course.**

DIGITAL ART

Grade: 10-12

Credit: 0.5

Pre or Co-requisite: Art I

Digital Art introduces students to a variety of digital art techniques and processes to prepare for future careers. This class uses Photoshop to encourage students to draw/paint freehand. Students learn how to use Wacom and surface pro tablets. Students will complete projects such as the musical poster (graphic design), landscape digital painting (illustration), Caldecott book layouts (graphic design, illustration), and storyboards (animation, concept art, illustration). Smaller exercises will include basic computer operation, Photoshop tool use and recognition, painting warmups and studies, and basic animation introduction. In class discussion will cover basic knowledge of computer parts and basic portfolio website setup. This class prepares students interested in the various fields of digital art to enter college with an understanding of the basis of these majors and have a confident start.

Minimum of 6 students. Students receive 0.5 credit in Visual/Performing Arts OR Technology.

**INTERNATIONAL BACCALAUREATE (IB)
VISUAL ARTS (SL/HL) -- YEAR TWO**

Grade: 12

Credit: 1.0

Prerequisite: IB Visual Arts (SL/HL) Year One

Visual Arts SL & HL are designed to provide students with 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 viewpoints. Through Visual Arts SL & HL, students center their artistic development around a Visual Journal 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. In Year II they will exhibit their work in solo exhibition as one part of three evaluations to gain IB credit. Students are required to take all IB tests or assigned projects with the possibility of earning college credit depending on the score.

GRADE 12 ELECTIVES

Business Electives

ACCOUNTING I

Grade: 10-12

Credit: 0.5

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.

INTRO TO LAW

Grade: 11-12

Credit: 0.5

This semester course, offered to Juniors and Seniors, is designed as a survey course and will include an introduction to the United States legal system, business law, business ethics, and explores careers in law, law enforcement, as well as civil and criminal law. It includes current events by discussing how a law is made and any bills that may become law. We look at state vs. national laws. Students take a field trip to the municipal and Lucas County courts to watch actual trials and may even meet with judges and others involved in law enforcement.



INTERNATIONAL BACCALAUREATE (IB) BUSINESS MANAGEMENT (SL/HL) -- YEAR TWO

Grade: 12

Credit: 1.0

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. The

course covers the key characteristics of business organization and environment and the business functions of human resource management, finance, accounts, marketing, and operations management. Links between the topics are central to the course. The HL course goes further in depth than SL in understanding business concepts and application. Including, but not limited to: applying organizational planning tools, budgets and computations, human resource management and relations, international marketing, and research and development. Students are required to take all IB tests or assigned projects with the possibility of earning college credit depending on the score.

Journalism Electives

JOURNALISM I

Grade: 10-12

Credit: 1.0

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. Careers in Journalism and related fields will be explored.

JOURNALISM II, III (BROADCAST)

Grade: 11-12

Credit: 1.0

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.

JOURNALISM II, III (NEWSPAPER)

Grade: 11-12

Credit: 1.0

Prerequisites: Journalism I plus Teacher Recommendation

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

JOURNALISM II, III (YEARBOOK)

Grade: 11-12

Credit: 1.0

Prerequisites: Journalism I plus Teacher Recommendation

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

General Electives

ACT/SAT PREP

Grade: 10-12

Credit: 0.5

10th grade: Co/Prerequisite Math II available for 2nd semester only
11th & 12th grade: Prerequisite Math II or currently taking Math II

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 and comfort and decrease anxiety. The course is structured around concept lectures, paper and pencil group and individual exercises, full length practice testing, and review.

CULTURE & LITERATURE

Grade: 10-12

Credit: 0.5

Available next in 2025/26 School Year

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.

CREATIVE WRITING

Grade: 10-12

Credit: 0.5

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.

EXPLORING SHAKESPEARE THROUGH FILM AND TEXT

Grade: 10-12

Credit: 0.5

Available next in 2026/27 School Year

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.

GRADE 12

FAITH AND REASON (HONORS)

Grade Level: 11, 12

Credit: 0.5

Prerequisite: B Average in Theology class OR Teacher Recommendation

This course introduces students to the dynamic dialogue between theological studies and intellectual inquiry. Through rigorous examination and spirited debate, students will delve into the profound connections between belief and critical thinking. Topics to be covered include the elements of a logical argument, in depth arguments for the existence of God, the relationship between faith and science, the historical authenticity of the Bible, the evidence and witness of miracles, and more. Through an apologetics approach, students will learn how to use reason to explain and defend the Catholic faith as they prepare to engage in a more critical and increasingly secular culture. This semester honors level elective course is open to all junior and senior students. **Minimum 12 students.**

LINK CREW

Grade: 12

Credit: 1.0

Prerequisite: Application and Interview process, attendance at Link Crew training day

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 freshmen 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.

PRE-PROFESSIONAL CAREER EXPLORATION COURSES

Students are encouraged to complete graduation requirements in the core subjects during the first two years at NDA (generally grades 9 & 10). 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.

NOTRE DAME ACADEMY PRE-PROFESSIONAL CAREER COURSES

Pre-Accounting/Finance

Accounting I
Economics
IB Mathematics SL

Pre-Audio/Visual

Communications Technology

Art I, II
Computer Applications
Digital Art
Digital Photography
IB Literature HL
IB Visual Arts SL/HL
Journalism (Broadcast, Newspaper, and Yearbook)
Music Technology
Web Design & Coding

Pre-Business/Marketing/Management

Accounting I
AP Psychology
AP Computer Applications
IB Business Management SL
IB Literature HL
Intro to Law
Statistics & Probability
Web Design & Coding

Pre-Engineering

AP Calculus AB
IB Mathematics SL
IB Physics SL/HL
Organic Chemistry
Pre-Calculus

Pre-Forensic Science

Anatomy/Physiology
AP Psychology
IB Biology HL
Statistics & Probability

Pre-Graphic Design and

Pre-Digital Art

Art I, II, III, IV
Digital Art
Digital Photography
Graphic Design
IB Visual Arts SL/HL
Web Design & Coding

Pre-Law

21st Century Global Studies
AP Government & Politics
AP Human Geography
AP Psychology
AP US History
IB Literature HL
IB History of the Americas HL
Intro to Law
Speech & Drama

Statistics & Probability

Pre-Pharmacy

Anatomy
AP Psychology
AP Chemistry II
IB Biology HL
Organic Chemistry

Pre-Physical Therapy

Anatomy/Physiology
AP Psychology
IB Biology HL
Movement Science

Pre-Veterinary/Pre-Medicine/

Pre-Dentistry

Anatomy/Physiology
AP Psychology
IB Biology HL
IB Physics SL/HL
Organic Chemistry

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 and parent meeting in January where information about the application and eligibility process will be provided. The NDA Intent to Participate form is due at the time of registration. Students and parents are responsible for creating an account through the Ohio Department of Education to request and complete a CCP funding application by April 1st, 2025. 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** 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. CCP courses cannot be used in place of regularly scheduled periods.

College Credit Plus participation and course selections are not guaranteed. For more information and possible pathways, please access the NDA CCP forms available at www.nda.org.



CCP Courses NDA Students Have Taken

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

COURSES LISTED BY SUBJECT

Business

Accounting I
IB Business Management SL/HL
Intro to Law

English

AP English Literature & Composition
Creative Writing
Culture & Literature
(Available 2025-2026)
Exploring Shakespear through Film
& Text *(Available 2026-2027)*
Languages Arts 7
Language Arts 8
English I (College Prep)
English I (Honors)
English II (College Prep)
English II (Honors)
English III (College Prep)
English III (Honors)
English IV (College Prep)
IB Literature HL
Integrated English I

IB Diploma

Creativity, Action, & Service (CAS)
Extended Essay (EE)
Theory of Knowledge (TOK)

Journalism

Exploratory Journalism
Journalism I
Journalism II, III (Broadcast)
Journalism II, III (Newspaper)
Journalism II, III (Yearbook)

Leadership Development

Link Crew
Web Leader

Mathematics

AP Calculus (AB)
IB Mathematics Applications &
Interpretations SL
IB Mathematics Analysis &
Approaches SL
IB Mathematical Analysis &
Approaches HL (Online course)
Math Foundations
Math 7
Math 8
Math I (College Prep)
Math I (Honors)
Math II (College Prep)
Math II (Honors)
Math III (College Prep)
Math III (Honors)
Math IV (College Prep)
Pre-Calculus (Honors)
Statistics & Probability
(College Prep)

Modern & Classical Languages

French I (College Prep)
French I (Honors)
French II (College Prep)
French II (Honors)
French III (Honors)
IB French SL
IB Latin SL
IB Spanish SL
Latin I (College Prep)
Latin I (Honors)
Latin II (College Prep)
Latin II (Honors)
Spanish I (College Prep)
Spanish I (Honors)
Spanish II (College Prep)
Spanish II (Honors)
Spanish III (College Prep)
Spanish III (Honors)
Spanish IV (College Prep)

Music

Advanced Voice Class
Chorus I, II, III, IV
Honors Choir
Honors Music Theory
IB Music SL/HL
JA Choir
JA Band 7/8
JA Advanced Band 7/8
Music Technology
(Also listed under Technology)
Orchestra (Honors)
Orchestra I, II, III, IV
Piano & Guitar Class
Voice Class

COURSES LISTED BY SUBJECT

Performing Arts

- Advanced Drama
- Dance I- Beginner/Intermediate
- Dance II- Intermediate/Advanced
- Exploratory Speech & Drama
- IB Theatre SL
- Introduction to Dance
- Play Production
- Speech & Drama I
- Speech & Drama I-A (S1)
- Speech & Drama I-B (S2)

Physical Education & Health

- Health
- Foundations of Movement
- Personal Training & Nutrition
- Recreational Activities
- NDJA Physical Education

Science

- Anatomy/Physiology (College Prep)
- Anatomy/Physiology (Honors)
- AP Chemistry II (*Available 2026-2027*)
- AP Environmental Science
- Biology I (College Prep)
- Biology I (Honors)
- Chemistry I (College Prep)
- Chemistry I (Honors)
- Environmental Science (College Prep)
- IB Biology HL
- IB Physics HL
- IB Physics SL
- Introduction to Molecular Genetics (Honors) (*Available 2025-2026*)
- Organic Chemistry (Honors) (*Available 2025-2026*)
- Physics (Honors)
- Science 7
- Science 8

Social Studies

- 21st Century Global Issues
- Ancient Civilizations 7
- AP Human Geography
- AP Psychology
- AP United States Government and Politics
- Economics
- IB History of the Americas HL
- Psychology
- Sociology
- U.S. History 8
- U.S. History (College Prep)
- U.S. Government
- Women's Studies
- World History (College Prep)
- World History (Honors)

Technology

- AP Computer Science
- Computer Applications
- Digital Art
- Music Technology
(Also listed under Music)
- Web Design & Coding

Test Prep

- ACT/SAT Prep
- Study Skills

Theology

- Catholic Leadership Seminar (Honors)
- Faith Basics
- Faith in Action
- Faith and Reason (Honors)
- Theology I
- Theology II
- Theology III
- World Religions
- 7th Grade Theology
- 8th Grade Theology

Visual Art

- Advanced Intro to Visual Arts
- Art I
- Art II
- Art III (Honors)
- Art IV (Honors)
- Ceramics
- Digital Art
- Digital Photography
- IB Visual Art SL/HL
- Introduction to Visual Arts

Creating *Women of Vision*



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