

CARDINAL MOONEY CATHOLIC HIGH SCHOOL

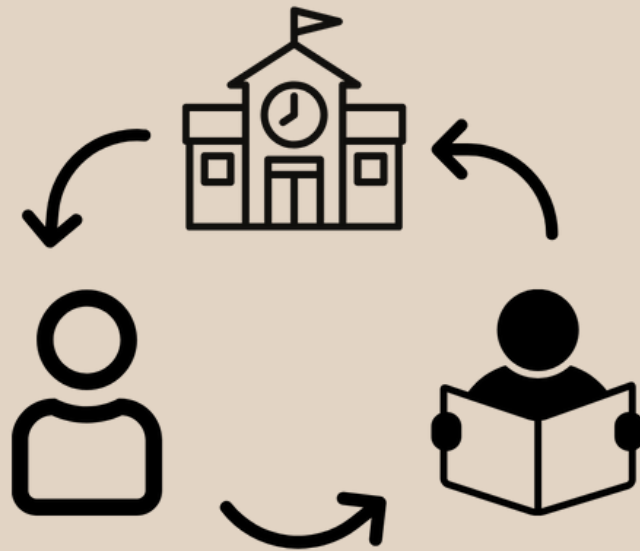


CURRICULUM GUIDE

2022-2023

THREE PARTY PARTNERSHIP FOR EXCELLENCE

THE STUDENT, THE PARENTS, THE SCHOOL



The 2022-2023 Curriculum Guide assists the students and their parents in choosing an appropriate course of study for the coming school year. It is advisable to check the graduation requirements as well as the course requirements for each year before making any course selections. Courses are described according to departments.

Unless otherwise noted 1.0 credit courses last the whole year and 0.5 credit courses last only one semester.

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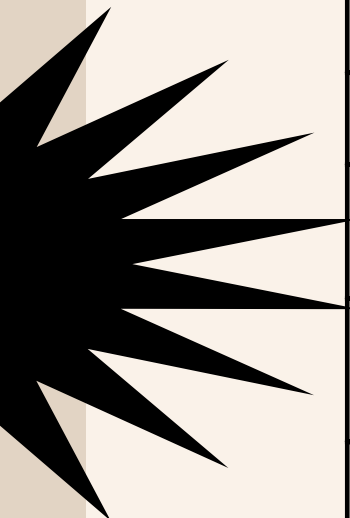
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Meet the Team

Graduation Requirements for the Class of 2023



English	4 Credits
U.S. History	1 Credit
Economics with Financial Literacy	½ Credit
Government	½ Credit
World History	1 Credit
World Languages (Same language, consecutive years)	2 Credits
Mathematics (Mathematics in Senior Year)	4 Credits
Science (Biology, Chemistry, one other)	3 Credits
Art (Includes Performing Arts)	1 Credit
Theology	4 Credits
Hope (Physical Education/Health)	1 Credit
Electives	2 Credits
Total	24 Credits



COURSE PLAN

Freshmen Year

Theology
 English
 Hope (Physical Education/Health)
 World History (may be taken
 during sophomore year)
 Mathematics
 Biology
 World Language

Sophomore Year

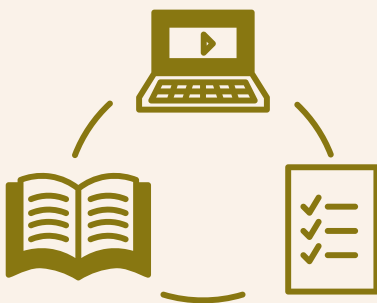
Theology
 English
 Mathematics
 Chemistry (or physical science)
 World Language
 Electives

Junior Year

Theology
 English
 US History
 Mathematics
 Science
 Electives

Senior Year

Theology
 English
 Economics with Financial Literacy
 Government
 Mathematics
 Electives



HONORS & ADVANCED PLACEMENT (AP)

In order for a student to be admitted to an Advanced Placement or honors level course, the student must meet the requirements stated in the course description. If the student is close but does not meet the criteria, it is recommended that the student speaks with their counselor. AP courses require taking the AP exam and paying the AP testing fee.



HOMEWORK POLICY

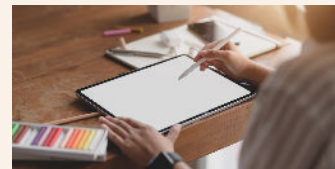
Time spent doing homework can differ substantially from student to student. Study skills, habits, time budgeting, reading level, speed, and innate intelligence can affect a particular student's study time. It is recommended that Cardinal Mooney Students spend an average of twenty to thirty-five minutes per night per class on each academic subject for a total homework time of two to three hours.

Homework for honors and Advanced Placement courses can be forty-five or sixty minutes per class.

CATHOLIC EDUCATION

Catholic education is founded on educating the whole child – **mind, body, and spirit**. Each child is formed in an ideal academic environment that instills the highest-quality learning experience while ensuring that education is rooted in Christ. From early childhood to adulthood, social and emotional development is at the forefront of the school learning environment. The Catholic Church calls on Catholic schools to partner with parents in the education of the young, to assist in providing a solid foundation in Christ and help the child's growth to become good Catholic citizens of the world.




0101300 Two-Dimensional Studio Art 1
1.0 Credit

Students experiment with the media and techniques used to create a variety of two-dimensional (2-D) artworks through the development of skills in drawing, painting, printmaking, collage, and/or design. Students practice, sketch, and manipulate the structural elements of art to improve mark-making and/or the organizational principles of design in composition from observation, research, and/or imagination. Through the critique process, students evaluate and respond to their own work and that of their peers. This course incorporates hands-on activities and the consumption of art materials.

Course fulfills Visual and Performing Arts requirement

0101310 Two-Dimensional Studio Art 2
1.0 Credit

Prerequisite: *Two- Dimensional Studio Art 1 and teacher recommendation*

Students develop and refine technical skills and create 2-D compositions with a variety of media in drawing, painting, printmaking, collage, and/or design. Student artists sketch, manipulate, and refine the structural elements of art to improve mark-making and/or the organizational principles of design in composition from observation, research, and/or imagination. Through the critique process, students evaluate and respond to their own work and that of their peers. This course incorporates hands-on activities.

Course fulfills Visual and Performing Arts requirement.

0109320 Two-Dimensional Studio Art 3 Honors
1.0 Credit

Prerequisite: *2 credits in Art and Teacher Recommendation*

Students demonstrate proficiency in the conceptual development of content in drawing, painting, printmaking, collage, and/or design to create self-directed or collaborative 2-D artwork suitable for inclusion in a portfolio. Students produce works that show evidence of developing craftsmanship and quality in the composition. Through the critique process, students evaluate and respond to their own work and that of their peers. Through a focused investigation of traditional techniques, historical and cultural models, and individual expressive goals, students begin to develop a personal art style. This course incorporates hands-on activities.

Course fulfills Visual and Performing Arts requirement

00109320 Portfolio Development: Two-Dimensional Design**1.0 Credit****Prerequisite:** *2 credits in Art and Teacher Recommendation*

Students work in a self-directed environment to develop a portfolio showing a body of their work that visually explores a particular artistic concern, articulated and supported by a written artist's statement. Artists may work in but are not limited to content in drawing, painting, printmaking, mixed media, traditional photography, digital photography, new media, and emerging technologies that demonstrate understanding of design principles as applied to a 2-dimensional surface. Students regularly reflect on aesthetics and art issues individually and as a group and manipulate the structural elements of art and organizational principles of design to create 2-dimensional works of art that are progressively more innovative and representative of the student's artistic and cognitive growth. Students' portfolios show personal vision and artistic growth over time, mastery of visual art skills and techniques, and evidence of sophisticated analytical and problem-solving skills based on their structural, historical, and cultural knowledge. This course incorporates hands-on activities.

Course fulfills Visual and Performing Arts requirement.

0109355 Advanced Placement Studio Art Two-Dimensional Design Innovation**1.0 Credit****Prerequisite:** *2 credits in Art and Teacher Recommendation; Portfolio submission.*

This course is designed to develop your 2-D skills through materials and processes such as graphic design, photography, collage, printmaking, fashion illustration, collage, and others. You will create artwork reflecting your own ideas and skills and what you have learned. A fee is charged for the AP Exam

Course fulfills Visual and Performing Arts requirement

0108370 Digital Art Imaging 1**1.0 Credit**

Students explore the fundamental concepts, terminology, techniques, and applications of digital imaging to create original work. Students produce digital still images through the single or combined use of computers, digital cameras, scanners, photo-editing software, drawing and painting software, graphic tablets, printers, new media, and emerging technologies. Through the critique process, students evaluate and respond to their own work and that of their peers to measure artistic growth. This course incorporates hands-on activities and the use of technology.

Course fulfills Visual and Performing Arts requirement

0108380 Digital Art Imaging 2**1.0 Credit****Prerequisite:** *2D Studio and/or Digital Art 1 and teacher recommendation*

Students explore and develop concepts, terminology, techniques, and applications to design, create, print, and display original two-dimensional graphics and fine works of art. As they become more adept at using the tools and techniques available to them, students design digital still images through the single or combined use of computers, digital cameras, scanners, photo-editing software, drawing and painting software, graphic tablets, printers, new media, and emerging technologies. Through the critique process, students evaluate and respond to their own designs and images, and those of their peers to measure artistic growth with increasing sophistication. This course incorporates hands-on activities and the use of technology.

Course fulfills Visual and Performing Arts requirement.

0108390 Digital Art Imaging 3 Honors**1.0 Credit****Prerequisite:** *Digital Art II and teacher recommendation*

Students explore advanced topics through project-based work, becoming more self-directed in their acquisition and use of concepts, terminology, techniques, and applications to design, create, print, and display original two-dimensional graphic and fine works of art in print and web formats. As they become more adept at using the tools and techniques available to them, students design and produce digital still images through the single or combined use of computers, digital cameras, scanners, photo editing software, drawing and painting software, graphic tablets, printers, new media, and emerging technologies. Through the critique process, students evaluate and respond to their own designs and images and those of their peers to measure artistic growth with increasing sophistication and independence to promote risk-taking in the completion of conceptually based, self-directed work. This course incorporates hands-on activities and the use of technology.

*Course fulfills Visual and Performing Arts requirement***0104300 Advanced Placement Drawing****1.0 Credit****Prerequisite:** 2 credits of Art, teacher recommendation and portfolio submission.

AP Drawing is an introductory college-level drawing course. Students refine and apply drawing skills to ideas they develop throughout the course. The AP Drawing Course is made up of three big ideas: (1) Investigate materials, process, and ideas; (2) Create art and design; (3) Present art and design. A fee is charged for the AP Exam.

*Course fulfills Visual and Performing Arts requirement***0108310 Digital Photography****1.0 Credit**

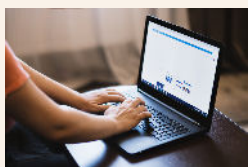
Students will explore the aesthetic foundations of digital photography techniques. This course may include, but is not limited to, color and/or black and white photography via digital media. Students will become familiar with compositional foundations, printing an image for display, and evaluating a successful print. Student photographers will use digital cameras, computer applications, filters, various papers, and digital output. Craftsmanship and quality are reflected in the surface of the prints and the care of the materials. Photographers use an art criticism process to evaluate, explain, and measure artistic growth in personal or group works.

*Course fulfills Visual and Performing Arts requirement.***9410110 Foundations of Robotics****1.0 Credit**

This course provides students with a foundation in content and skills associated with robotics and automation, including artificial intelligence, electronics, physics, and principles of engineering.

9410120 Robotic Design Essentials**1.0 Credit****Prerequisite:** *Foundations of Robotics*

This course provides students with content and skills essential to the design and operation of robotics, including artificial intelligence, sensors, electronic devices, engineering technologies, motion physics, electrical motors, programming, simulation, and critical thinking skills.



COMPUTER APPLICATIONS

8208100 Game/Simulation/Animation Visual Design

1 Credit

The content includes but is not limited to practical experiences in game/simulation conceptualization, design, storyboarding, development methodologies, 2D/3D animation design and production, and implementation issues. Specialized skills involving graphic animation software are used to provide a variety of two and three-dimensional components. *Course fulfills Arts requirement.*

8207310 Digital Information Technology

1 Credit

This course is designed to provide a basic overview of current business information systems and trends, and to introduce students to fundamental skills required for today's business and academic environments. Emphasis is placed on developing fundamental computer skills. The intention of this course is to prepare students to be successful both personally and professionally in an information-based society. Digital Information Technology includes exploration and use of: databases, the internet, spreadsheets, presentation applications management of personal information and email, word processing and document manipulation, HTML, web page design, and the integration of these programs. *Course fulfills Arts requirement.*

9007500 Web Application Development & Programming

1 Credit

This courses that provides coherent and rigorous content aligned with challenging academic standards and relevant technical knowledge and skills needed to prepare for further education and careers in the Information Technology career cluster; provides technical skill proficiency, and includes competency-based applied learning that contributes to the academic knowledge, higher-order reasoning and problem-solving skills, work attitudes, general employability skills, technical skills, and occupation-specific skills. The content includes but is not limited to the fundamentals of programming and software development; procedural and object-oriented programming; creating web-based applications, including testing, monitoring, debugging, documenting, and maintaining applications.

9001100 Web Development

1 Credit

This course introduces basic Web page development techniques. Topics include HTML, scripting languages, and commercial software packages used in the development of Web pages. At the conclusion of this course, students will be able to use specified markup languages to develop basic Web pages. *Course fulfills Arts requirement.*



1001310 English 1**1 Credit**

This course defines what students should understand and be able to do by the end of 9th grade. Knowledge acquisition should be the primary purpose of any reading approach as the systematic building of a wide range of knowledge across domains is a prerequisite to higher literacy. At this grade level, students are working with universal themes and archetypes. They are also continuing to build their facility with rhetoric, the craft of using language in writing and speaking, using classic literature, essays, and speeches as mentor texts.

1001320 English Honors 1**1 Credit**

Prerequisite: Placement-based HSPT score.

Honors and Advanced Level Course Note: Advanced courses require a greater demand on students through increased academic rigor. Academic rigor is obtained through the application, analysis, evaluation, and creation of complex ideas that are often abstract and multi-faceted. Students are challenged to think and collaborate critically on the content they are learning. Honors level rigor will be achieved by increasing text complexity through text selection, focus on high-level qualitative measures, and complexity of task. Instruction will be structured to give students a deeper understanding of conceptual themes and organization within and across disciplines. Academic rigor is more than simply assigning to students a greater quantity of work.

1001340 English 2**1 Credit**

Prerequisite: Successful completion of English I

This course defines what students should understand and be able to do by the end of 10th grade. Knowledge acquisition should be the primary purpose of any reading approach as the systematic building of a wide range of knowledge across domains is a prerequisite to higher literacy. At this grade level, students are working with universal themes and archetypes. They are also continuing to build their facility with rhetoric, the craft of using language in writing and speaking, using classic literature, essays, and speeches as mentor texts.

1001350 English Honors 2**1 Credit**

Prerequisites: 80% in English I Honors (or 90% in English I)

This course defines what students in an honors class setting should understand and be able to do by the end of 10th grade. Knowledge acquisition should be the primary purpose of any reading approach as the systematic building of a wide range of knowledge across domains is a prerequisite to higher literacy. At this grade level, students are working with universal themes and archetypes. They are also continuing to build their facility with rhetoric, the craft of using language in writing and speaking, using classic literature, essays, and speeches as mentor texts.

1001370 English 3**1 Credit**

Prerequisite: Successful completion of English II

This course defines what students should understand and be able to do by the end of 11th grade. Knowledge acquisition should be the primary purpose of any reading approach as the systematic building of a wide range of knowledge across domains is a prerequisite to higher literacy. At this grade level, students are working with universal themes and archetypes. They are also continuing to build their facility with rhetoric, the craft of using language in writing and speaking, using classic literature, essays, and speeches as mentor texts.

1001380 English Honors 3

1 Credit

Prerequisites: 80% in English II Honors (or 90% in English II)

In preparation for college and career readiness, this course provides grade 11 students with high complexity texts and advanced integrated language arts study in reading, writing, speaking, listening, and language. Teaching from well-written, grade-level instructional materials enhance students' content-area knowledge and strengthen their ability to comprehend longer, complex reading passages on any topic. Using the following instructional practices also helps student learning.

1001400 English 4

1 Credit

Prerequisites: Successful completion of English III.

This course defines what students should understand and be able to do by the end of 12th grade. Knowledge acquisition should be the primary purpose of any reading approach as the systematic building of a wide range of knowledge across domains is a prerequisite to higher literacy. At this grade level, students are working with universal themes and archetypes. They are also continuing to build their facility with rhetoric, the craft of using language in writing and speaking, using classic literature, essays, and speeches as mentor texts.

1001410 English Honors 4

1 Credit

Prerequisite: 80% in English III Honors (or 90% in English III)

This course defines what students should understand and be able to do by the end of the grade level. Knowledge acquisition should be the primary purpose of any reading approach. The systematic building of a wide range of knowledge across domains is a prerequisite to higher literacy. At this grade level, students are building their facility with rhetoric, the craft of using language in writing and speaking, using classic literature, essays, and speeches as mentor texts.

1001425 Advanced Placement English Language and Composition Innovation

1 Credit

Prerequisites: 80% in English III Honors or 90% in English II Honors

AP English Language and Composition aims to support students to become proficient readers who can read and analyze arguments and compositions with multiple rhetorical contexts, as well as proficient writers who can write articles for different purposes.

1001430 Advanced Placement English Literature and Composition

1 Credit

Prerequisites: 80% in English III Honors or 90% English II Honors

AP English Literature and Composition is an introductory college-level literary analysis course. Students cultivate their understanding of literature through reading and analyzing texts as they explore concepts like character, setting, structure, perspective, figurative language, and literary analysis in the context of literary works.



1006300 Journalism 1/Yearbook

1 Credit

Prerequisite: Students are required to submit an application for this class

In this cross-curricular, project-based class, students work collaboratively by using technology such as digital cameras, photo editing software, and online design software to digitally produce a yearbook. Students use writing skills, communication skills, and creativity to tell the story of the school community. Students think critically to meet deadlines, track goals and utilize multimedia to market and disseminate information that models an actual business. Students must submit an application for this class. An application does not guarantee selection.

1006010 Journalism 2/Yearbook

1 Credit

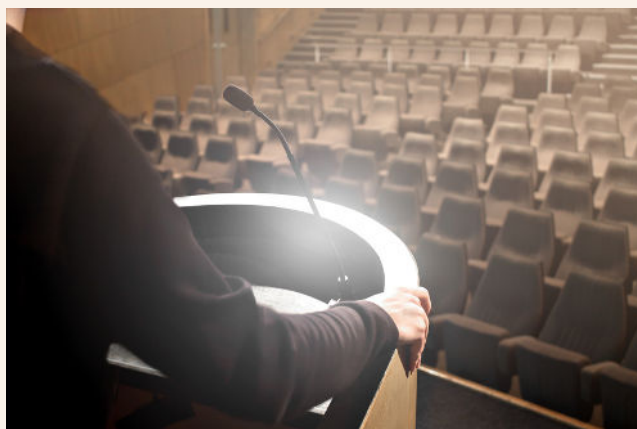
Prerequisites: Successful completion of Yearbook I

In this cross-curricular, project-based class, students work collaboratively by using technology such as digital cameras, photo editing software and online design software to digitally produce a yearbook. Students use writing skills, communication skills and creativity to tell the story of the school community. Students think critically to meet deadlines, track goals and utilize multimedia to market and disseminate information that models an actual business.

11007300 Speech 1

0.5 Credit

This course is designed to build student facility in structuring various types of speeches, researching information, audience analysis, presentation of speeches, and building self-confidence in public speaking situations. Students will critique speeches, paying attention to content, organization, language, and delivery style. They will produce and present well-structured, developed speeches.



0708340 Spanish 1 1 Credit

Spanish 1 introduces students to the target language and its culture. The student will develop communicative skills in all three modes of communication and cross-cultural understanding. Emphasis is placed on proficient communication in the language. An introduction to reading and writing is also included as well as culture, connections, comparisons, and communities.

0708350 Spanish 2 1 Credit

Prerequisites: Successful completion of Spanish I

Spanish 2 reinforces the fundamental skills acquired by the students in Spanish 1. The course develops listening, speaking, reading, writing skills, and cultural awareness. Specific content to be covered is a continuation of listening and oral skills acquired in Spanish 1. Reading and writing receive more emphasis, while verbal communication remains the primary objective.

0708810 Spanish 2 Honors 1 Credit

Prerequisite: 80% in Spanish I

Spanish 2 Honors provides mastery and expansion of skills acquired by the students in Spanish 1. Specific content includes but is not limited to increases in vocabulary and conversational skills through discussions of selected readings. Contemporary vocabulary stresses activities that are important to the everyday life.

0708360 Spanish 3 Honors 1 Credit

Prerequisite: 80% in Spanish II Honors or 90% in Spanish II

Spanish 3 provides mastery and expansion of skills acquired by the students in Spanish 2. Specific content includes, but is not limited to, expansions of vocabulary and conversational skills through discussions of selected readings. Contemporary vocabulary stresses activities that are important to the everyday life.

0708370 Spanish 4 Honors 1 Credit

Prerequisite: 80% in Spanish III Honors

Spanish 4 expands the skills acquired by the students in Spanish 3. Specific content includes, but is not limited to, more advanced language structures and idiomatic expressions, emphasizing conversational skills. There is additional growth in vocabulary for practical purposes, including writing. Reading selections vary and take from the target language, newspapers, magazines, and literary works.

0708400 Advanced Placement Spanish Language & Culture 1 Credit

Prerequisite: 90% in Spanish III Honors

AP Spanish Language and Culture is equivalent to an intermediate-level college course in Spanish. Students cultivate their understanding of the Spanish language and culture by applying interpersonal, interpretive, and presentational modes of communication in real-life situations as they explore concepts related to family and communities, personal and public identities, beauty and aesthetics, science and technology, contemporary life, and global challenges. A fee is charged for the AP Exam.

1200310 Algebra 1 (with Math Lab)

1 Credit

In Algebra 1, instructional time will emphasize five areas: (1) performing operations with polynomials and radicals, and extending the Laws of Exponents to include rational exponents; (2) extending understanding of functions to linear, quadratic, and exponential functions and using them to model and analyze real-world relationships; (3) solving quadratic equations in one variable and systems of linear equations and inequalities in two variables; (4) building functions, identifying their key features and representing them in various ways and (5) representing and interpreting categorical and numerical data with one and two variables. The “Math Lab” component will be an additional period of mathematics daily to allow students to practice and extend their knowledge of the material taught in the regular class period.

1200310 Algebra 1

1 Credit

In Algebra 1, instructional time will emphasize five areas: (1) performing operations with polynomials and radicals and extending the Laws of Exponents to include rational exponents; (2) extending understanding of functions to linear, quadratic, and exponential functions and using them to model and analyze real-world relationships; (3) solving quadratic equations in one variable and systems of linear equations and inequalities in two variables; (4) building functions, identifying their key features and representing them in various ways and (5) representing and interpreting categorical and numerical data with one and two variables.

1200380 Algebra 1-B

0.5 Credit

In Algebra 1-B, instructional time will emphasize four areas: (1) performing operations with polynomials and radicals and extending the Laws of Exponents to include rational exponents; (2) extending understanding of functions to quadratic and exponential functions and using them to model and analyze real-world relationships; (3) solving quadratic equations in one variable and (4) building functions, identifying their key features and representing them in various ways.

1200320 Algebra 1 Honors

1 Credit

Prerequisites: Placement-based HSPT score.

The fundamental purpose of this course is to formalize and extend the mathematics that students learn in the middle grades. The critical areas, called units, deepen and develop an understanding of linear and exponential relationships by contrasting them with each other and by applying linear models to data that exhibit a linear trend. Students engage in methods for analyzing, solving, and using quadratic functions.

106310 Geometry

1 Credit

Prerequisite: Successful completion of Algebra I

In Geometry, instructional time will emphasize five areas: (1) proving and applying relationships and theorems involving two-dimensional figures using Euclidean geometry and coordinate geometry; (2) establishing congruence and similarity using criteria from Euclidean geometry and using rigid transformations; (3) extending knowledge of geometric measurement to two-dimensional figures and three-dimensional figures; (4) creating and applying equations of circles in the coordinate plane and (5) developing an understanding of right triangle trigonometry.

206320 Geometry Honors

1 Credit

Prerequisite: 80% in Algebra I Honors (or 90% in Algebra I)

In Geometry Honors, instructional time will emphasize five areas: (1) proving and applying relationships and theorems involving two-dimensional figures using Euclidean geometry and coordinate geometry; (2) establishing congruence and similarity using criteria from Euclidean geometry and using rigid transformations; (3) extending knowledge of geometric measurement to two-dimensional figures and three-dimensional figures; (4) creating and applying equations of circles in the coordinate plane and (5) developing an understanding of right triangle trigonometry.

200330 Algebra 2

1 Credit

Prerequisite: Successful completion of Geometry

In Algebra 2, instructional time will emphasize five areas: (1) extending arithmetic operations with algebraic expressions to include radical and rational expressions and polynomial division; (2) graphing and analyzing functions including polynomials, absolute value, radical, rational, exponential, and logarithmic; (3) building functions using compositions, inverses, and transformations; (4) extending systems of equations and inequalities to include non-linear expressions and (5) developing an understanding of the complex number system, including complex numbers as roots of polynomial equations.

1200340 Algebra 2 Honors

1 Credit

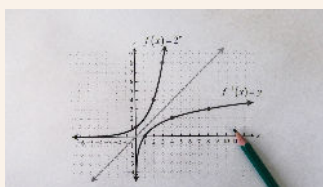
Prerequisite: 80% in Geometry Honors (or 90% in Geometry)

In Algebra 2 Honors, instructional time will emphasize six areas: (1) developing an understanding of the complex number system, including complex numbers as roots of polynomial equations; (2) extending arithmetic operations with algebraic expressions to include polynomial division, radical and rational expressions; (3) graphing and analyzing functions including polynomials, absolute value, radical, rational, exponential and logarithmic; (4) extending systems of equations and inequalities to include non-linear expressions; (5) building functions using compositions, inverses and transformations and (6) developing an understanding of probability concepts.

1200387 Mathematics for Data and Financial Literacy

1 Credit

In Mathematics for Data and Financial Literacy, instructional time will emphasize five areas: (1) extending knowledge of ratios, proportions, and functions to data and financial contexts; (2) developing an understanding of basic economic and accounting principles; (3) determining advantages and disadvantages of credit accounts, short and long-term loans; (4) developing an understanding of planning for the future through investments, insurance, and retirement plans and (5) extending knowledge of data analysis to create and evaluate reports and to make predictions.



1210305 Mathematics for College Statistics 1 Credit

In Mathematics for College Statistics, instructional time will emphasize four areas: (1) analyzing and applying linear and exponential functions within the context of statistics; (2) extending understanding of probability using data and various representations, including two-way tables and Venn Diagrams; (3) representing and interpreting univariate and bivariate categorical and numerical data and (4) determining the appropriateness of different types of statistical studies.

1202340 Pre-Calculus Honors 1 Credit

Prerequisite: 80% in Algebra II Honors (or 90% in Algebra II)

In Pre-Calculus Honors, instructional time will emphasize six areas: (1) extending right triangle trigonometry to unit circle trigonometry and trigonometric functions; (2) extending understanding of functions to trigonometric; (3) developing an understanding of conic sections; (4) representing and performing operations with complex numbers and vectors in the coordinate plane; (5) extending understanding of relations in the plane using parametric representations, including polar coordinates and (6) analyzing arithmetic and geometric sequences and series.

1202300 Calculus Honors 1 Credit

Prerequisite: 80% in Pre-Calculus or 90% in College Algebra

In Calculus Honors, instructional time will emphasize four areas: (1) developing an understanding of limits and continuity of functions; (2) finding derivatives and applying them to motions, slopes, related rates and optimizations; (3) applying limits and derivatives to graph and analyze functions and (4) evaluating integrals and applying them to areas, volumes, average values and differential equations.

1202310 Advanced Placement Calculus AB 1 Credit

Prerequisite: 90% in Pre-Calculus

AP Calculus AB is an introductory college-level calculus course. Students cultivate their understanding of differential and integral calculus through engaging with real-world problems represented graphically, numerically, analytically, and verbally and using definitions and theorems to build arguments and justify conclusions as they explore concepts like change, limits, and the analysis of functions.

A fee is charged for the AP exam.

210320 Advanced Placement Statistics 1 Credit

Prerequisite: 80% in Algebra II Honors (or 90% in Algebra II)

AP Statistics is an introductory college-level statistics course that introduces students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students cultivate their understanding of statistics using technology, investigations, problem-solving, and writing as they explore concepts like variation and distribution; patterns and uncertainty; data-based predictions, decisions, and conclusions.

A fee is charged for the AP exam.

1302320**Band 3****1 Credit**

This year-long, formative class, designed for students ready to build on skills and knowledge previously acquired in a middle or high school instrumental ensemble, promotes the enjoyment and appreciation of music through performance of high-quality, intermediate-level wind and percussion literature. Rehearsals focus on development of critical listening/aural skills, individual musicianship, instrumental technique, refinement of ensemble skills, and aesthetic engagement culminating in periodic public performances.

Course fulfills Visual and Performing Arts requirements.

302330**Band 4****1 Credit**

Prerequisite: Successful completion of Band 3

This year-long, intermediate-level course, designed for students who demonstrate proficiency in woodwind, brass, and/or percussion techniques, music literacy, critical listening/aural skills, and ensemble performance skills, promote greater engagement with and appreciation for music through performance and other experiences with a broad spectrum of music, as well as creativity through composition and/or arranging. Study includes the cultivation of well-developed instrumental ensemble techniques and skills, music literacy and theory, and deeper aesthetic engagement with a wide variety of high-quality repertoire. *Course fulfills Visual and Performing Arts requirements.*

1302340**Band 5 Honors****1 Credit**

Prerequisite: Successful completion of Band 4

This year-long, advanced course, designed for wind and percussion students with extensive experience in solo performance and larger performing ensembles, promotes significant depth of engagement and lifelong appreciation of music through performance and other experiences with sophisticated instrumental music, as well as creativity through composition and/or arranging. The course includes the development of advanced instrumental ensemble techniques and skills, extended music literacy and theory, and deep aesthetic engagement with a broad spectrum of high-quality repertoire, ranging from early music to contemporary. Musical independence and leadership are particularly encouraged in this setting. *Course fulfills Visual and Performing Arts requirements.*

1302350**Band 6 Honors****1 Credit**

Prerequisite: Successful completion of Band 5

This year-long, highly advanced course, designed for students with substantial experience in solo performance and larger performing ensembles, promotes significant engagement with and appreciation for music through the performance of sophisticated wind and percussion literature. Study focuses on the mastery of highly advanced music skills, techniques, and processes, as well as creativity through composition and/or arranging and the use of current technology to enhance creativity and performance effectiveness. This course also provides significant opportunities for student leadership through peer mentoring, solo work, and participation as a performer or coach in a small or large ensemble. *Course fulfills Visual and Performing Arts requirements.*

1301320 Guitar 1 1 Credit

Students with little or no experience develop basic guitar skills and knowledge, including simple and full-strum chords, bass lines and lead sheets, barre and power chords, foundational music literacy and theory, major scales, simple finger-picking patterns, and ensemble skills for a variety of music. Beginning guitarists explore the careers and music of significant performers in a variety of styles. Public performances may serve as a culmination of specific instructional goals. Students may be required to attend and/or participate in rehearsals and performances outside the school day to support, extend, and assess learning in the classroom. This course may also require students to obtain a musical instrument (e.g., borrow, rent, purchase) from an outside source.

301330 Guitar 2 1 Credit

Prerequisite: Successful completion of Guitar 1

Students with previous guitar experience build on their skills and knowledge, adding chords, new strumming and finger-picking patterns, movable major and minor scales, basic music theory, more complex bass lines and lead sheets, and ensemble skills for a variety of music. Beginning guitarists explore the careers and music of significant performers. Public performances may serve as a culmination of specific instructional goals. Students may be required to attend and/or participate in rehearsals and performances outside the school day to support, extend, and assess learning in the classroom. This course may also require students to obtain a musical instrument (e.g. borrow, rent, purchase) from an outside source).. *Course fulfills Visual and Performing Arts requirements.*

1301360 Keyboard 1 1 Credit

Students build fundamental piano techniques while learning to read music, acquire and apply knowledge of basic music theory, and explore the role of keyboard music in history and culture. Beginning pianists develop skills in analytical listening and explore musical creativity in the form of basic improvisation and basic composition. Public performances may serve as a culmination of specific instructional goals. Students may be required to attend and/or participate in rehearsals and performances outside the school day to support, extend, and assess learning in the classroom. *Course fulfills Visual and Performing Arts requirements.*

1301370 Keyboard 2 1 Credit

Prerequisite: Successful completion of Keyboard 1

Students build on previous piano techniques and skills through reading music, acquiring and applying knowledge of music theory, and exploring the role of keyboard music in history and culture. Students learn repertoire from various styles and time periods, exploring keyboards' historical influence on music performance and composition. Students explore the basic tools of music technology (i.e., MIDI keyboards). Public performances may serve as a culmination of specific instructional goals. Students may be required to attend and/or participate in rehearsals and performances outside the school day to support, extend, and assess learning in the classroom. *Course fulfills Visual and Performing Arts requirements.*

1301380 Keyboard 3**1 Credit***Prerequisite: Successful completion of Keyboard 2*

Students further develop advanced knowledge of piano techniques, musical literacy, solo and ensemble performance skills, and related musical knowledge, using a variety of advanced piano literature. Students explore the historical influence keyboards have had on music performance and composition, and apply criteria to assess their own and others' piano performances. Students extend their knowledge of music technology (i.e., MIDI keyboards) and its connection to the computer and other sound-generating devices. Public performances may serve as a culmination of specific instructional goals. Students may be required to attend and/or participate in rehearsals and performances outside the school day to support, extend, and assess learning in the classroom.

*Course fulfills Visual and Performing Arts requirement.***1301390 Keyboard 4 Honors****1 Credit***Prerequisite: Successful completion of Keyboard 3*

Students develop highly advanced piano techniques, music literacy, solo performance skills, and related musical knowledge through a variety of advanced piano literature. Students work toward greater musical independence through accompanying other musicians, performing solos, and/or creating original music compositions. In keeping with the rigor expected in an Honors course, students undertake an independent study that includes a synthesis of learning and experience. Public performances may serve as a culmination of specific instructional goals. Students may be required to attend and/or participate in rehearsals and performances outside the school day to support, extend, and assess learning in the classroom. *Course fulfills Visual and Performing Arts requirements.*

1302380 Orchestra 3**1 Credit**

Students build on previous orchestral experience through the study and performance of high-quality orchestra literature. Rehearsals focus on the strengthening of critical listening skills, musicianship, string techniques, ensemble skills, and aesthetic awareness in the context of relevant history and cultures. Public performances may serve as a culmination of specific instructional goals. Students may be required to attend and/or participate in rehearsals and performances outside the school day to support, extend, and assess learning in the classroom. Students in this class may need to obtain (e.g., borrow, rent, purchase) an instrument from an outside source.

*Course fulfills Visual and Performing Arts requirements.***1302390 Orchestra 4****1 Credit***Prerequisite: Successful completion of Orchestra 3*

Students with intermediate-level proficiency in string techniques, music literacy, critical listening skills, and musicianship study, rehearse, and perform high-quality orchestra literature. Student musicians strengthen their reflective, analytical, and problem-solving skills to self-diagnose solutions to performance challenges based on their structural, historical, and cultural understanding of the music. Public performances may serve as a culmination of specific instructional goals. Students may be required to attend and/or participate in rehearsals and performances outside the school day to support, extend, and assess learning in the classroom. Students in this class may need to obtain (e.g., borrow, rent, purchase) an instrument from an outside source.

Course fulfills Visual and Performing Arts requirements.

1302400 Orchestra 5 Honors

1 Credit

Prerequisite: Successful completion of Orchestra 4

Students with considerable orchestral experience advance their string and ensemble performance techniques, music literacy, music theory, and aesthetic engagement through high-quality orchestra literature. Student musicians use reflection and problem-solving skills to improve performance significantly based on the music's structural, cultural, and historical understanding. Public performances may serve as a culmination of specific instructional goals. Students may be required to attend and/or participate in rehearsals and performances outside the school day to support, extend, and assess learning in the classroom. Students in this class may need to obtain (e.g., borrow, rent, purchase) an instrument from an outside source. *Course fulfills Visual and Performing Arts requirements.*

1302410 Orchestra 6 Honors

1 Credit

Prerequisite: Successful completion of Orchestra 5

Students with substantial orchestral experience focus on mastery of advanced music skills, techniques, and processes through study, rehearsal, and performance of high-quality orchestra literature. Advanced string players self-diagnose and consider multiple solutions to artistic challenges based on background knowledge of the repertoire, and explore creativity through composition, arranging, and/or use of technology. Public performances may serve as a culmination of specific instructional goals. Students may be required to attend and/or participate in rehearsals and performances outside the school day to support, extend, and assess learning in the classroom. Students in this class may need to obtain (e.g., borrow, rent, purchase) an instrument from an outside source. *Course fulfills Visual and Performing Arts requirements.*

1302420 Instrumental Techniques 1

1 Credit

Students in this entry-level class focus on the development of musical and technical skills on a specific instrument through etudes, scales, and selected music literature. Through problem-solving, critical thinking, and reflection, students develop the physical and cognitive skills to be more disciplined performers. Public performances may serve as a culmination of specific instructional goals. Students may be required to attend and/or participate in rehearsals and performances outside the school day to support, extend, and assess learning in the classroom. This course may also require students to obtain a musical instrument (e.g., borrow, rent, purchase) from an outside source. *Course fulfills Visual and Performing Arts requirements.*

1300300 Music Theory 1

1 Credit

Students learn how music is constructed and developed and acquire a basic understanding of the structural, technical, and historical elements of music. Student theorists develop basic ear-training, keyboard, and functional singing skills and engage in the creative process through individual and collaborative projects. Public performances may serve as a resource for specific instructional goals. Students may be required to attend one or more performances outside the school day to support, extend, and assess learning in the classroom. *Course fulfills Visual and Performing Arts requirements.*

1300330 Advanced Placement Music Theory 1 Credit

AP Music Theory is an introductory college-level music theory course. Students cultivate their understanding of music theory through analyzing performed and notated music as they explore concepts like pitch, rhythm, form, and musical design. *A fee is charged for the AP Exam*

0107410 Art of Cinema 0.5 Credit

This course is designed to encourage the appreciation of films. Students will study film history, and aspects of film production, business, and genres. This course has a writing component. *Course fulfills Visual and Performing Arts requirements.*

0400700 Musical Theatre 1 1 Credit

Students' course work focuses on, but is not limited to, acting, vocal performance, dance, non-dance movement, and staging, which transfer readily to performances in musicals and other venues. Students survey the evolution of music in theatre from ancient Greece to modern Broadway through a humanities approach and representative literature. Music theatre students explore the unique staging and technical demands of musicals in contrast to non-musical plays. Public performances may serve as a culmination of specific instructional goals. Students may be required to attend and/or participate in rehearsals and performances outside the school day to support, extend, and assess learning in the classroom. *Course fulfills Visual and Performing Arts requirements.*

0400710 Musical Theatre 2 1 Credit

Prerequisite: Successful completion of Musical Theatre 1

Students learn from the styles and techniques used by well-known singer-actor dancers and choreographers to build a performance portfolio for auditions and/or interviews. Students examine the contributions of major writers, composers, lyricists, and choreographers of musical theatre and learn to analyze the structures, stories, and settings of musical theatre exemplars to understand how those components serve the story and concept. Students extend their dance and movement techniques required to sing and dance at the same time. Public performances may serve as a culmination of specific instructional goals. Students may be required to attend and/or participate in rehearsals and performances outside the school day to support, extend, and assess learning in the classroom. *Course fulfills Visual and Performing Arts requirements.*

0400330 Musical Theatre 3 Honors 1 Credit

Prerequisite: 90% in Musical Theatre 2)

This course is designed for students with significant experience in theatre, and promotes depth of engagement and lifelong appreciation for theatre through a broad spectrum of teacher-assigned and self-directed study and performance. Students regularly reflect on aesthetics and issues related to and addressed through theatre, and create within various aspects of theatre in ways that are progressively more innovative. In keeping with the rigor expected in an accelerated setting, students assemble a portfolio that showcases a significant body of work representing personal vision and artistic growth over time; mastery of theatre skills and techniques in one or more areas; and evidence of significant oral and written analytical and problem-solving skills based on their structural, historical, and cultural knowledge. *Course fulfills Visual and Performing Arts requirement.*

0400340 Theatre 4 Honors

1 Credit

Prerequisite: 90% in Musical 3 Honors

This course is designed for students with extensive experience in theatre, and promotes significant depth of engagement and lifelong appreciation for theatre through a broad spectrum of primarily self-directed study and performance. In keeping with the rigor expected in an accelerated setting, students assemble a portfolio that showcases a significant body of work representing personal vision and artistic growth over time; mastery of theatre skills and techniques in one or more areas; and evidence of sophisticated oral and written analytical and problem-solving skills based on their structural, historical, and cultural knowledge.

0107410 Art of Cinema

0.5 Credit

This course is designed to encourage the appreciation of films. Students will study film history, and aspects of film production, business, and genres. This course has a writing component. *Course fulfills Visual and Performing Arts requirement.*



INTERNATIONAL
THESPIAN SOCIETY

HONORING STUDENT ACHIEVEMENT IN THEATRE

3026010	HOPE-Physical Education/LMS	1 Credit
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The purpose of this course is to develop and enhance healthy behaviors that influence lifestyle choices and student health and fitness. Wellness promotion for self and others will be emphasized along with responsible decision-making and planning for a healthy lifestyle. Students will realize the full benefit of this course when it is taught with an integrated approach.

1503350	Team Sports 1	0.5 Credit
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The purpose of this course is to develop the physical skills necessary to be competent in many forms of movement, knowledge of team sports concepts such as offensive and defensive strategies and tactics, and appropriate social behaviors within a team or group setting. The integration of fitness concepts throughout the content is critical to the success of this course.

1503360	Team Sports 2	0.5 Credit
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Prerequisite: Successful completion of Team Sports 1

The purpose of this course is to develop the physical skills necessary to be competent in many forms of movement, knowledge of team sports concepts such as offensive and defensive strategies and tactics, and appropriate social behaviors within a team or group setting. The integration of fitness concepts throughout the content is critical to the success of this course.

1501340	Weight Training 1	0.5 Credit
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The purpose of this course is to develop the physical skills necessary to be competent in many forms of movement as it relates to weight training. The integration of fitness concepts throughout the content is critical to the success of this course.

1501340	Weight Training 2	0.5 Credit
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Prerequisite: Successful completion of Weight Training 1

The purpose of this course is to continue to develop the physical skills necessary to be competent in many forms of movement as it relates to weight training. The integration of fitness concepts throughout the content is critical to the success of this course.

1501360	Weight Training 3	0.5 Credit
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Prerequisite: Successful completion of Weight Training 2

The purpose of this course is to develop mastery of the physical skills necessary to be competent in many forms of movement as it relates to weight training. The integration of fitness concepts throughout the content is critical to the success of this course.

1502490	Care and Prevention of Athletic Injuries	0.5 Credit
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This course is designed to provide entry-level knowledge regarding the prevention and treatment of athletic injuries. This includes recognizing signs and symptoms of injuries that occur during exercise, physical activity, or athletic participation.

2000310 Biology 1

1 Credit

The purpose of this course is to present an understanding of life and life processes. It considers the diversity among living things (animals, plants, protists), the microscopic world, the functioning processes within plants, animals, and humans, and the continuity of the biosphere through reproduction, heredity, and evolution. Laboratory activities are included.

2000320 Biology 1 Honors

1 Credit

Prerequisite: Placement-based HSPT score.

The purpose of this course is to provide students with rigorous exploratory experiences and activities in the fundamental concepts of life. This program expands the biological concepts introduced at the lower grade levels by presenting additional facts, concepts, and generalizations. There is greater stress on the biochemical, physiological, and anatomical areas of life and the evolutionary and ecological concepts. To enhance student learning, an emphasis is placed on test-taking, note-taking, study skills, and scientific writing strategies. Laboratory activities are included.

2000340 Advanced Placement Biology

1 Credit

Prerequisite: 90% Biology (80% in Biology Honors), 90% Chemistry (80% Chemistry Honors), 90% Algebra I (80% Algebra I Honors): Grades 11-12

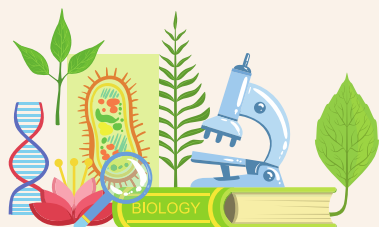
AP Biology is an introductory college-level biology course. Students cultivate their understanding of biology through inquiry-based investigations as they explore topics like evolution, energetics, information storage, transfer, and system interactions. *Fee is charged for the AP Exam.*

2003310 Physical Science

1 Credit

Prerequisite: Grade 10 or Department Approval

The purpose of this course is to introduce students to basic scientific principles, concepts, and methods of Physics and Chemistry. Physics topics include but are not limited to Newton's laws of motion, gravity, mechanical energy, work, power, forces, momentum, and alternative energy sources. Chemistry topics include but are not limited to basic atomic structure, molecules, and molecular bonds, basic chemical reactions, acids, bases, and pH. Laboratory investigations are included.



2003340 Chemistry 1**1 Credit***Prerequisite: 80% Biology, 80% Algebra 1: Grades 10,11,12*

The purpose of this course is to provide a foundation for learning chemistry concepts, including scientific inquiry, interactive experiences, and higher-order thinking. The approach utilized is laboratory-oriented, emphasizing the development of principles through experimental observation. The chemical reaction is the focal point for studying the nature of/and the relationship between matter and energy. Logical analysis and mathematical interpretation of chemical and physical phenomena are also developed.

2003350 Chemistry 1 Honors**1 Credit***Prerequisites: 90% in Biology (80% in Biology Honors), 90% in Algebra I or Algebra II (80% in Algebra I Honors or Algebra II Honors): Grades 10,11*

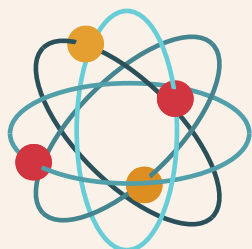
The purpose of this course is to provide a rigorous study of Chemistry for the serious, self-motivated student. Topics include the composition, properties, and changes associated with matter. Laboratory investigations of selected topics will be included as an essential part of the course. Logical analysis and mathematical interpretations of chemical and physical phenomena are developed in the course. This course is designed to prepare students for AP Chemistry.

2003370 Advanced Placement Chemistry**1 Credit***Prerequisites: 80% in Honors Chemistry (90% Chemistry) and AP Teacher Recommendation: Grades 11,12*

AP Chemistry is an introductory college-level chemistry course. Students cultivate their understanding of chemistry through inquiry-based lab investigations as they explore the four Big Ideas: scale, proportion, quantity; structure and properties of substances; transformations; and energy. A fee is charged for the AP exam.

2003380 Physics 1**1 Credit***Prerequisites: 70% Chemistry and 70% in Algebra II: Grades 11,12*

The purpose of the course is to introduce students to the fundamental concepts of physics and the physical world. Topics covered include but are not limited to Newton's Laws of Motion, Gravity, Mechanical and Thermal Energy, Light, Sound, Waves, Electricity, and Magnetism. The students will perform experiments to understand and illustrate the basic concepts considered in addition to exploring theories and solving problems. This course utilizes the application of a mathematical approach and logical analysis. Laboratory investigations are required.



1 Credit**2003421 Advanced Placement Physics 1**

*Prerequisites: 80% in Chemistry Honors (90% Chemistry) AND 80% in Algebra II Honors (90% Algebra II):
Grades 11, 12*

AP Physics 1 is an algebra-based, introductory college-level physics course. Students cultivate their understanding of physics through classroom study, in-class activity, and hands-on, inquiry-based laboratory work to explore concepts like systems, fields, force interactions, change, conservation, and waves. A fee is charged for the AP Exam.

2001380 Advanced Placement Environmental Science**1 Credit**

Prerequisites: 80% in Biology Honors (90% in Biology) AND 80% in Chemistry Honors (90% in Chemistry I):Grades 11,12

The course requires that students identify and analyze natural and human-made environmental problems, evaluate the relative risks associated with these problems, and examine alternative solutions for resolving or preventing them. A fee is charged for the AP Exam.

2000350 Anatomy and Physiology**1 Credit**

Prerequisite: 70% in Biology I or Departmental Approval: Grades 11,12

This course is designed for those students who have taken biology and wish to further their study of biology. The student will study the structure and function of the body's various cells, tissues, and integrated systems. This course is in preparation for advanced biological studies, biomedical nursing, and other science-based careers. Laboratory investigations of selected topics will be included as well as dissections.

2000360 Anatomy and Physiology Honors**1 Credit**

*Prerequisites: 80% in Biology Honors (90% in Biology I) and 80% in Chemistry (90% in Chemistry I) :
Grades 11,12*

This course is designed for those students who have taken biology and who wish to further their study of biology. The student will study the structure and function of the body's various cells, tissues, and integrated systems. This course is in preparation for advanced biological studies, biomedical nursing, and other science-based careers. There is greater stress on the physiological aspects of each system in its relationships with the anatomical structures. Laboratory investigations, dissections, and activities for selected topics are included. This course has a writing emphasis.

2001310 Earth/Space Science**1 Credit**

Departmental Approval: Grades 11,12

The purpose of this course is to introduce students to the topics of astronomy, geology, oceanography, meteorology, paleontology, and alternate energy sources for the future. Laboratory investigations are utilized to enhance student understanding of the dynamic processes related to the earth's past, present, and future.

2002500 Marine Science 1**1 Credit**

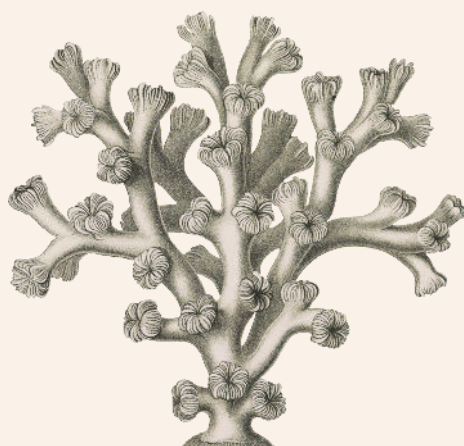
Prerequisite: 70% in Biology I or Departmental Approval: Grades 11,12

The purpose of this course is to provide students with a survey of the marine biome and environmental issues. The course will include the nature of the marine habitat (its chemical, physical, and geological aspects), ecological sea zonation, marine communities, classifications, characteristics of major oceanic phyla/divisions, and our interrelationship with the oceans. Laboratory investigations will include the use of the scientific process, measurement, laboratory apparatus, and safety procedures. Preserved specimens may be a part of this course.

2002510 Marine Science 1 Honors**1 Credit**

Prerequisite: 80% in Biology I Honors or Departmental Approval: Grades 11, 12

The course requires that students identify and analyze natural and human-made environmental problems, evaluate the relative risks associated with these problems, and examine alternative solutions for resolving or preventing them.



2109310 World History 1 Credit

World History consists of the following content area strands: World History, Geography and Humanities. This course is a continued in-depth study of the history of civilizations and societies from the middle school course, and includes the history of civilizations and societies of North and South America. Students will be exposed to historical periods leading to the beginning of the 21st Century. So that students can clearly see the relationship between cause and effect in historical events, students should have the opportunity to review those fundamental ideas and events from ancient and classical civilizations..

2109320 World History Honors 1 Credit

Prerequisite: Placement based HSPT score.

The World History Honors course consists of the following content area strands: World History, Geography and Humanities. This course is a continued in-depth study of the history of civilizations and societies from the middle school course, and includes the history of civilizations and societies of North and South America. Students will be exposed to historical periods leading to the beginning of the 21st Century. So that students can clearly see the relationship between cause and effect in historical events, students should have the opportunity to review those fundamental ideas and events from ancient and classical civilizations

2109420 Advanced Placement World History: Modern 1 Credit

This course is the study of the cultural, economic, political, and social developments that have shaped the world from c. 1200 CE to the present. You will analyze texts, visual sources, and other historical evidence and write essays expressing historical arguments. A fee is charged for AP Exam.

2103400 Advanced Placement Human Geography 1 Credit

Prerequisite: Placement based HSPT score.

AP Human Geography is an introductory college-level human geography course. Students cultivate their understanding of human geography through data and geographic analyses as they explore topics like patterns and spatial organization, human impacts and interactions with their environment, and spatial processes and societal changes. A fee is charged for the AP Exam.

2100310 United States History 1 Credit

The United States History course consists of the following content area strands: United States History, Geography, and Humanities. The primary content emphasis for this course pertains to the study of United States history from Reconstruction to the present day. Students will be exposed to the historical, geographic, political, economic and sociological events which influenced the development of the United States and the resulting impact on world history. So that students can clearly see the relationship between cause and effect in historical events, students should have the opportunity to review those fundamental ideas and events which occurred before the end of Reconstruction.

2100320 United States History Honors**1 Credit***Prerequisite: 80% in English II Honors (or 90% in English II)*

The United States History Honors course consists of the following content area strands: United States History, Geography, and Humanities. The primary content emphasis for this course pertains to the study of United States history from Reconstruction to the present day. Students will be exposed to the historical, geographic, political, economic, and sociological events that influenced the United States' development and the resulting impact on world history. So that students can see the relationship between cause and effect in historical events, students should have the opportunity to review those fundamental ideas and events which occurred before the end of Reconstruction.

2100330 Advanced Placement United States History**1 Credit***Prerequisite: 90% in English II Honors*

AP U.S. History is an introductory college-level U.S. history course. Students cultivate their understanding of U.S. history from c. 1491 CE to the present through analyzing historical sources and learning to make connections and craft historical arguments as they explore concepts like American and national identity; work, exchange, and technology; geography and the environment; migration and settlement; politics and power; America in the world; American and regional culture; and social structures. A fee is charged for the AP exam.

2106310 United States Government**1 Credit**

This course aims to present basic concepts of the American Government. Topics include the nature and origins of government, the foundations of the American political system, the three branches of our government, and the constitutional protections enshrined in our Bill of Rights. It is constitutionally based and includes those relevant developments which become news during its teaching. It continues to emphasize note-taking, as well as the interpretation of graphs and charts that were introduced in earlier social studies courses.

2106320 United States Government Honors**1 Credit***Prerequisite: 80% in US History Honors (or 90% in US History)*

This course introduces students to government institutions and political processes and their historical impact on American society. Content includes, but is not limited to, the functions and purpose of government, the function of the state, the constitutional framework, federalism, separation of powers, functions of the three branches of government at the local, state, and national levels, and the political decision-making process.



2106420 Advanced Placement United States Government and Politics**1 Credit***Prerequisite: 80% in English III OR 80% in AP US History*

AP U.S. Government and Politics provides a college-level, nonpartisan 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 study U.S. foundational documents, Supreme Court decisions, and other texts and visuals to gain an understanding of the relationships and interactions among political institutions, processes, and behavior. They will also engage in disciplinary practices that require them to read and interpret data, make comparisons and applications, and develop evidence-based arguments. In addition, they will complete political science research or applied civics project.

2102335 Economics with Financial Literacy**0.5 Credit**

This course consists of the following content area strands: Economics and Geography. The primary content emphasis for this course pertains to the study of the concepts and processes of the national and international economic systems. Content should include but is not limited to currency, banking, and monetary policy, the fundamental concepts relevant to the major economic systems, the global market and economy, major economic theories and economists, the role and influence of the government and fiscal policies, monetary measurements, tools, and methodology, financial and investment markets, and the business cycle.

2102345 Economics with Financial Literacy Honors**0.5 Credit***Prerequisite: 90% in US History*

The Economics with Financial Literacy Honors course consists of the following content area strands: Economics and Geography. The primary content emphasis for this course pertains to the study of the concepts and processes of the national and international economic systems. Content should include but is not limited to currency, banking, and monetary policy, the fundamental concepts relevant to the major economic systems, the global market and economy, major economic theories and economists, the role and influence of the government and fiscal policies, monetary measurements, tools, and methodology, financial and investment markets, and the business cycle. Honors level courses require a greater demand on students through increased academic rigor.

2102370 Advanced Placement Macroeconomics**0.5 Credit***Prerequisite: 90% in US History Honors (or 80% in AP US History)*

AP Macroeconomics is an introductory college-level macroeconomics course. Students cultivate their understanding of the principles that apply to an economic system by using principles and models to describe economic situations and predict and explain outcomes with graphs, charts, and data as they explore concepts like economic measurements, markets, macroeconomic models, and macroeconomic policies.

2107300 Psychology 1**0.5 Credit**

Through the study of psychology, students understand and appreciate human behavior, behavior interaction, and the progressive development of individuals. The content examined in this first introductory course includes major theories and orientations of psychology, psychological methodology, memory and cognition, human growth and development, personality, abnormal behavior, psychological therapies, stress/coping strategies, and mental health.

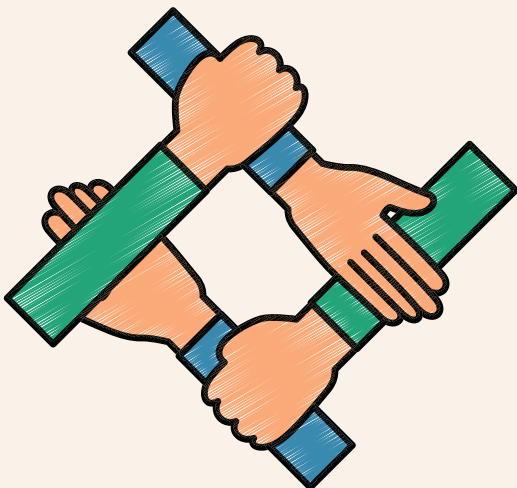
2107350 Advanced Placement Psychology**1.0 Credit**

Prerequisite: Teacher Recommendation

AP Psychology is an introductory college-level psychology course. Students cultivate their understanding of the systematic and scientific study of human behavior and mental processes through inquiry-based investigations as they explore concepts like the biological bases of behavior, sensation and perception, learning and cognition, motivation, developmental psychology, testing and individual differences, treatment of abnormal behavior, and social psychology. A fee is charged for AP test.

2108300 Sociology**0.5 Credit**

Through the study of sociology, students acquire an understanding of group interaction and its impact on individuals so that they may have a greater awareness of the beliefs, values, and behavior patterns of others. Students need to recognize how group behavior affects both the individual and society in an increasingly interdependent world.



2104320 Theology 9A (Global Studies 1) 0.5 Credit

The Revelation of Jesus Christ in Scripture

This course aims to give students a general knowledge and appreciation of the Sacred Scriptures. Through their study of the Bible, they will come to encounter the living Word of God, Jesus Christ. In the course, they will learn about the Bible, authored by God through Inspiration, and its value to people worldwide. If they have not been taught this earlier, they will learn how to read the Bible and become familiar with the major sections of the Bible and the books included in each area. The students will pay particular attention to the Gospels, where they may grow to know and love Jesus Christ more personally.

2104320 Theology 9B (Global Studies 2) 0.5 Credit

Who Is Jesus Christ?

This course aims to introduce students to the mystery of Jesus Christ, the living Word of God, and the Second Person of the Blessed Trinity. Students will understand that Jesus Christ is the ultimate Revelation to us from God. In learning about who He is, the students will also know whom He calls them to be.

2105340 Theology 10A (Philosophy 1) 0.5 Credit

The Mission of Jesus Christ (The Paschal Mystery)

This course aims to help students understand all God has done for us through His Son, Jesus Christ. Through this course of study, students will learn that God has planned for us to share eternal happiness with Him for all eternity, which is accomplished through the redemption Christ won for us. Students will learn that they share in this redemption only in and through Jesus Christ. Students will also be introduced to what it means to be a disciple of Christ.

2105915 Theology 10B (Philosophy 2) 0.5 Credit

Jesus Christ's Mission Continues in the Church

This course aims to help the students understand that in and through the Church, they encounter the living Jesus Christ. Students will be introduced to the fact that the Church was founded by Christ through the Apostles and is sustained by Him through the Holy Spirit. In this course, students will learn about the sacred nature of the Church.

2105350 Theology 11A (Ethics) 0.5 Credit

Morality - Life in Jesus Christ

This course aims to help students understand that it is only through Christ that they can fully live out God's plans for their lives. Students are to learn the moral concepts and precepts that govern the lives of Christ's disciples.

2104600 Theology 11B (Multicultural Studies) 0.5 Credit

Morality - Life in Jesus Christ

Living as a Disciple of Jesus Christ in Society

This course aims to introduce students to the Church's social teaching. In this course, students are to learn how Christ's concern for others, especially the poor and needy, is present today in the Church's social teaching and mission.

22105310**World Religions****0.5 Credit**

World Religions course consists of the following content area strands: World History, Geography, and Humanities. The primary content emphasis for this course pertains to studying major world religious traditions of Buddhism, Christianity, Confucianism, Hinduism, Islam, Judaism, Shintoism, and Taoism. Students will identify criteria upon which religious beliefs are based, analyze relationships between religious and social and political institutions, trace the significant developments of the world's living religions, and distinguish the similarities and differences among the world's major religions.

2400300**Christian Lifestyles and Vocations (Leadership Skills Development)****0.5 Credit**

This course aims to help students understand the vocations of life: how Christ calls us to live. In this course, students should learn how all vocations are similar and how they differ. The course should be structured around married life, single life, priestly life, and consecrated life. Students should learn what it means to live life for the benefit of others and the value of considering a vocation in service to the Christian community.

0800330**Ministry and Spirituality (Personal, Social, and Family Relationships)****1 Credit**

This two-semester course will provide an in-depth study of the leadership techniques on decision making, problem-solving, meeting skills, communication, evaluation, team building, group dynamics, and other leadership roles within Christian leadership and peer ministry. The course seeks to provide students with ways to further develop their spiritual lives by training them to serve their peers and community by creating and organizing class retreats. Students will participate in skills such as public speaking, listening, group dynamics, and speech preparation, all necessary to be effective leaders.



STATE COLLEGE OF FLORIDA FLORIDA DUAL ENROLLMENT PROGRAM

Courses will be offered through the State College of Florida Online for the dual enrollment program. Students will earn both high school and college credit for each course. There is no cost.

State College of Florida Admission Requirements: Juniors & Seniors: 3.0 cumulative unweighted high school GPA. The GPA will be re-calculated by SCF only, taking into consideration courses in English, mathematics, science, foreign language, and social studies.

Minimum standardized test scores on one of the following:

PERT: (offered on the SCF campus by appointment) math 123, writing 103, reading 106

SAT: subscores of math 27, writing 24, reading 24

ACT: math 20, writing 17, reading 19

Students will work independently in the Media Center or study hall during one class period each day. The courses are administered by the State College of Florida. Grading is at the discretion of the University and Cardinal Mooney may not intervene. It is the student's responsibility to complete work in a timely manner and maintain good standing in the course. Dual enrollment courses start the student's college transcript, and it is critical that a student does not earn a low grade as it may negatively impact their college acceptance.

Courses are offered for the summer, fall and spring semesters.

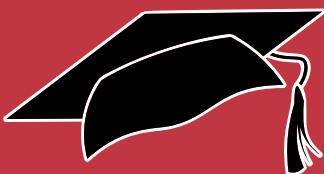
For course information and registration, see Mrs. George in the guidance office.

AP CAPSTONE

AP Capstone™ is a diploma program from the College Board based on two yearlong AP courses: AP Seminar and AP Research.

Participating in AP Capstone can help students:

- Stand out to colleges in the application process.
- Develop key academic skills they'll use in other classes, college, and beyond.
- Become self-confident, independent thinkers and problem solvers.
- Earn college credit: Many colleges offer credit for qualifying scores.



ADVANCED PLACEMENT SEMINAR

AP Seminar is a foundational course that engages students in cross-curricular conversations that explore the complexities of academic and real-world topics and issues by analyzing divergent perspectives. Students learn to investigate a problem or issue, analyze arguments, compare different perspectives, synthesize information from multiple sources, and work alone and in a group to communicate their ideas. A fee is charged for the AP Exam.

ADVANCED PLACEMENT RESEARCH

AP Research, the second course in the AP Capstone experience, allows students to deeply explore an academic topic, problem, issue, or idea of individual interest. Students design, plan, and implement a yearlong investigation to address a research question. Through this inquiry, they further the skills they acquired in the AP Seminar course by learning research methodology, employing ethical research practices, and accessing, analyzing, and synthesizing information. Students reflect on their skill development, document their processes, and curate the artifacts of their scholarly work through a process and reflection portfolio. The course culminates in an academic paper of 4,000–5,000 words (accompanied by a performance, exhibit, or product where applicable) and a presentation with an oral defense. A fee is charged for the AP Exam.

ACADEMIC SUPPORT CLASS

7963080 Learning Strategies

This course aims to provide students with the necessary skills to ensure academic growth and success throughout the school day.

Strategies such as maintaining an agenda, organization, goal setting, teacher/student conferencing, motivation, and self-advocacy are emphasized. High student accountability with performance management and teacher/parent contact are the emphases of this class.

To be eligible for enrollment in the Learning Strategies class, a student must have appropriate and current documentation indicating the need for special consideration. Appropriate and current documentation is defined as a written evaluation within three (3) years from the start of the current school year. It includes diagnostic test results from a licensed psychologist or other certified providers. Additionally, if a student has an Individualized Education Plan (IEP) or a 504 Plan from a previous school, it must be presented before enrollment in the LS Class to receive accommodations. These evaluations/plans should initially be presented to a staff member in the Guidance Center and will be reviewed by the school's LS Staff.

Please note that participation in this class does not reduce the required course material to be learned and assessed through the academic programs offered at CMHS. This course allows for necessary accommodations to ensure that a student is provided the opportunity to demonstrate success. The curriculum at CMHS is NOT modified under any circumstances and remains a college preparatory facility.



MEET THE TEAM



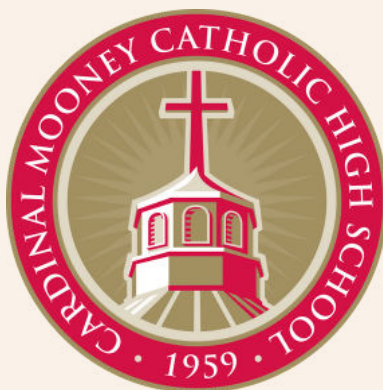
MATT ITTIG

Dean of Curriculum



ANN LAFEMINA

Director of Academic Services & College
Counselor



BIANCE GEORGE

Academic Counselor



LORI LEWIS

Academic Counselor



KELLY GIVENS

Learning Strategies