COVINGTON LATIN SCHOOL

CLASSICAL LIBERAL ARTS CURRICULUM

The education program of Covington Latin School is shaped by the college-preparatory nature of the school. Since Covington Latin School is not an end in itself but a means to an end - a fulfilling college experience leading to a responsible position in society - the curriculum identifies those areas of knowledge and skill formation (i.e., the "liberal arts") fundamental to that continuing education. Likewise, the courses of study and their sequence aim to encourage the student's exactness in detail, initiative, self-discipline, and maturity. A focus on Classical Education also creates a learning environment rich in the belief that teaching students to speak critically, think critically, read critically, and write critically.

These fundamental areas of education are at the heart of each of the six years in Covington Latin School's program:

1. Theology - revealing to the student the growth of the Catholic faith and the nature of one's relationship to God, the human race, and the rest of creation.

2. English & Speech - providing the essential skills of effective written and oral communication and the knowledge and appreciation of literature and history.

3. Social Science - tracing the development of world civilization and acquiring skills that enable the student to explore the facts and the meanings of human interrelationships.

4. World Language - offering training in foreign languages and cultures that ultimately reflect our language and culture.

6. Mathematics - providing the skills of computation fundamental to scientific knowledge and encouraging the student in correct reasoning processes while emphasizing the structure of mathematics.

7. Science - providing the skills and knowledge needed to understand and perform science in our highly technological society while providing an understanding of the physical universe.

Appropriate elective courses are offered either to supplement the core courses or to provide additional knowledge or skills when the solid foundations of the core are in place.

GRADING SCALE

Weighted

Letter Grade			Regular Courses	Honors	AP/Dual Credit Courses Only
A (1st honors)	93	100	4.0	4.5	5.00
A- (1st honors)	90	92	3.84	4.34	4.84
B+ (2nd honors)	87	89	3.67	4.17	4.67
B (2nd honors)	83	86	3.33	3.83	4.33
B-	80	82	3.0	3.50	4.00
C+	77	79	2.67	3.17	3.67
C	73	76	2.33	2.83	3.33
C-	70	72	2.00	2.50	3.00
D+	67	69	1.67	2.17	2.67
D	63	66	1.33	1.83	2.33
D-	60	62	1.00	1.50	2.00
F	59-0	59-0	0.00	0.00	0.00

ADVANCED PLACEMENT (AP) and HONORS POLICY

To take an AP course, students must have second honors or better cumulative average in that subject area from the 9th-grade year to the current year. Students must also fill out the appropriate paperwork from the guidance office with the correct signatures from parents and previous teachers. AP (including Honors Latin III) and Dual Credit are weighted on the 4.0 scale only with a 1.0 boost. The curriculum of an AP course is rigorous and will require more work than a regular high school course. Students develop critical thinking skills, fluid writing abilities, problem-solving skills, and expertise in learning masses of material. Honors courses receive a .5 boost to the weighted GPA.

DUAL CREDIT COURSES

Dual Credit courses are offered through Thomas More University. Students will earn college credit while also earning credit toward their high school graduation requirements. A wide variety of courses can be taken at CLS and online by a combination of Covington Latin School teachers and online Thomas More University instructors.

HIGH SCHOOL GRADUATION REQUIREMENTS

A student must have 26.5 credit hours to graduate. These credits must include

- 4 credits in Math (Alg 1, Alg 2, Geometry & Trig, Elective)
- 4 credits in English
- 4 credits in Theology
- 3 credits in Science (Biology, Chemistry, Elective)
- 3 credits in History (Intro to the Classics, World History, US History)
- 2 credits in Latin
- .5 credit in Health
- .5 credit in P.E.
- 1 credit in Fine Arts (Form II Fine Arts .5 & Form III Aesthetics .5)
- 1.75 credits in Speech (Historical Speech *(.25 included with Intro to the Classics)*, Intro to Public Speaking (.5), Debate (.5), Original Oratory (.5))
- 3-6 credits in Electives

In addition, students must:

- Present a Senior research paper (Thesis) deemed acceptable by the Form IV English instructor and a persuasive speech on that topic during Original Oratory.
- Attend and participate in the Senior Retreat & complete a required number of service hours as set forth per grade level in the student handbook.
- Complete the Financial Literacy Program.
- Complete the Study Skills Program that is incorporated into 7, 8, & 9th grades.

The Latin School curriculum exceeds the requirements of the Commonwealth of Kentucky as well as our accrediting agency, Cognia.

PREPARATORY CURRICULUM & COURSE SELECTIONS

Students attending Covington Latin School for 7th and 8th grade are a part of the Preparatory program. They will take rigorous courses that prepare them for the challenging honors courses offered in the Covington Latin High School curriculum.

Students have the opportunity to accelerate one to two years above the traditional grade level into our preparatory years. (Example: students may complete fifth grade and enter into CLS as a 7th-grader.) Our curriculum is compounding and taught at a quick pace to cover materials skipped, materials traditionally covered, and then to go more in-depth. All courses in our Prep Years are considered advanced level.

Students entering seventh and eighth grades scoring above the 90th percentile on the Entrance Exam math section will additionally be granted the opportunity to accelerate one year in math.

PREP 7 COURSES

- Preparatory 7 English
- Math:
    - Preparatory 7 Math
    - Pre-Algebra*
- Preparatory 7 Reading
- Earth & Space Science
- Preparatory 7 Theology
- Geography
- Physical Education
- Preparatory Fine Arts

**May elect to test into Pre-Alg.*

PREP 8 COURSES

- Preparatory 8 English
- Math:
    - Pre-Algebra
    - Honors Algebra I*
- Preparatory 8 Reading
- Physical Science
- Preparatory 8 Theology
- US History
- Physical Education
- Preparatory Fine Arts

**May elect to test into Honors Alg. I*

HIGH SCHOOL CURRICULUM & COURSE SELECTIONS

Students completing a degree from Covington Latin School will complete the Honors, College-Preparatory courses listed for each Form. Students in Forms III & IV can choose between various electives and dual enrollment options in addition to the required courses. Elective courses are offered based on student participation/enrollment.

FORM I COURSES

- Honors English I
- Honors Biology
- Math:
  - Honors Algebra I
  - Honors Algebra II**
- Honors Latin I
- Introduction to the Classics + Study Skills + Historical Speech
- Theology I
- Honors Health
- Physical Education

FORM II COURSES

- Honors English II
- Honors Chemistry
- Math:
  - Honors Algebra II
  - Honors Geometry**
- Honors Latin II
- History:
  - Honors World History
  - AP World History*
- Theology II
- Introduction to Public Speaking (½) (.25 credits)
- Fine Arts

(½) = 1-semester course
**Must meet prerequisites*
***Accelerated Math Track Only*

FORM III COURSES

- English:
  - Honors English III
  - AP/DC Language & Composition
- Math:
  - Honors Geometry + Trigonometry
  - Honors Pre-Calculus**
  - Honors Statistics**
  - AP Calculus AB**
- Theology III
- History:
  - Honors US History
  - AP US History
- Debate (½)
- Aesthetics: Art & Music Theory (½)
- 2 Electives

**Accelerated Math Track students may take 4th math credit in either Form III or IV and will have an additional elective course selection *(can include 5th math course)*.

FORM IV COURSES

- English:
  - Honors English IV
  - AP/DC Literature & Composition
- Math:
  - Honors Pre-Calculus
  - Honors Elementary Statistics
  - AP Calculus AB
- Theology IV
- Speech IV - Original Oratory (½)
- College Guidance (½)
- Financial Literacy (½)
- 3.5 Electives

*One Elective Credit must include a full year of Science in either Form III or IV.

ELECTIVES (Form III & IV)

- Science:
  - Honors Environmental Science (½)
  - Honors Anatomy & Physiology (½)
  - Honors Physics
  - AP Chemistry
  - AP Biology
  - AP Physics
- Social Studies & Humanities:
  - Honors US Government (½)
  - Honors Contemporary World Issues (½)
  - Honors Economics (½)
  - Honors Ancient Philosophy (½)
  - AP US Government
  - AP Human Geography
  - Intro to Business (Dual Credit) (½)
  - Intro to Psychology (Dual Credit) (½)
  - Intro to Philosophy (Dual Credit) (½)
  - Intro to Education (Dual Credit) (½)
- World Language
  - Honors Latin III and AP Latin IV
  - Honors Greek I and II
  - Honors German I and II
  - *Online Language Options (Dual Credit)*
- Fine Arts:
  - AP Studio Art
  - Ceramics (½)
  - Printmaking (½)
  - Theater Arts (Drama) (½)
  - Shakespeare Speech (½)
  - Mass Media (½)
  - Film Studies (½)
  - Choir
- Computer Science
  - Honors Robotics (½)
  - Intro to Computer Programming (½)
  - Intro to Web Design (½)
  - Computer Aided Design (½)

(½) = 1 Semester Course, .5 credits - unless noted.
DC = Dual/College Credit

COURSES BY DEPARTMENT

COMPUTER SCIENCE DEPARTMENT

INTRODUCTION TO COMPUTER PROGRAMING **.5 credit** **Grade: 11**

Introduction to computer programming is designed for students with little or no programming experience. It provides students with an understanding of how to use computation to solve problems. It emphasizes the principles of software development, style, and testing. It aims to help students feel confident in their ability to write small programs that allow them to solve basic problems. Topics covered include one- and two-dimensional arrays, the package concept in Java relating to strings, math operations, and random numbers. This course uses the Java programming language.

INTRODUCTION TO WEB DESIGN **.5 credit** **Grade: 11**

Students will design, draw, and build web pages from scratch using hypertext markup language (HTML). They will learn to understand the purpose of the website, navigation techniques, and who will use the website. Students will show an understanding of the computing environment, creativity, marketing strategies, and e-commerce when planning the website.

COMPUTER AIDED DESIGN **.5 credit** **Grade: 11,12**

The Intro to CAD course is designed to provide an opportunity to develop a basic background or career-related skill in CAD (Computer Aided Design). The students will be introduced to the areas of mechanical drafting, which will include single and three-view drawings, isometric, oblique, and sectional drawings. The students will also learn fundamentals of architectural drafting through drawing floor, elevation, plot, and electrical plans. The third element will be technical illustrating, which will involve drawing illustrations of a technical object.

HONORS ROBOTICS **.5 credit** **Grade: 11, 12**

The objective of this course is to introduce students to the field of Robotics. This course covers a variety of multidisciplinary topics necessary to understand the fundamentals of designing, building, and programming robots. Students will work hands-on in teams to design, build, and program a bot.

ENGLISH DEPARTMENT

PREPARATORY 7 ENGLISH **1 credit** **Grade: 7**

In 7th-grade language arts, students should increase their ability to analyze and synthesize information, strengthen their reading skills, and improve their writing proficiency. Students will be able to develop complex writing skills, constructively critique their own and others' writing, apply punctuation, grammar, and syntax skills, recognize and apply appropriate vocabulary, and write more in-depth research papers.

PREPARATORY 7 READING **1 credit** **Grade: 7**

Prep 7 Reading explores a variety of literature. Students will analyze the written text and develop critical thinking skills. Students will demonstrate their knowledge of literature through written and spoken assessments. Students will understand and analyze a variety of literature, including short stories, poetry, plays, legends, and novels. Students will make personal connections with literature.

PREPARATORY 8 ENGLISH **1 credit** **Grade: 8**

In this course students will learn about grammar and writing in the English language. Students will learn the basic parts of a sentence, how to diagram them, and how to use this knowledge to become better writers. Specifically, students will learn to write essays, stories, and finally use all the skills learned throughout the year to write a research paper. Throughout the year, students will also strengthen their vocabulary to create more interesting sentences and grow the complexity of ideas. Students will also practice speaking and presentation skills.

PREPARATORY 8 READING **1 credit** **Grade: 8**

Prep 8 Reading explores a variety of literature. Students will analyze the written text and develop critical thinking skills. Students will demonstrate their knowledge of literature through written and spoken assessments. They will also make personal connections with literature. Students will understand and analyze a variety of literature, including short stories, poetry, plays, and novels. Students will make personal connections with literature.

HONORS ENGLISH I - COMPOSITION **1 credit** **Grade: 9**

English I is designed as a composition course, emphasizing skills in mechanics and grammar as well as construction. Composition will center on narrative writing and literary response, and creative writing. Students will be introduced to the major genres of literature and learn to be active readers as we study them.

HONORS ENGLISH II - WORLD LITERATURE AND GLOBAL PERSPECTIVES

1 credit **Grade: 10**

Honors American Literature is a survey of American literature from its beginnings through the mid-20th century, focusing on representative works in poetry, fiction, essay, drama

and/or oral traditions studied in the context of the multicultural American experience. The course introduces recurrent themes in the scope of American literature and culture. Students read, analyze, and respond critically to texts in class discussions, examinations, and essays. Students will continue to develop skills and confidence with various types of writing assignments, including literary analysis, persuasion, and personal narrative. At the end of the year, students will compile a portfolio demonstrating their growth as writers and their mastery of various writing skills, such as research papers, literary analysis, and analytical writing. Students will continue to develop skills and confidence as readers and will become familiar with some of the major authors, texts, and themes of American Literature; they will also be able to make connections and comparisons between literary works by different authors and from different eras, and they will be able to recognize recurring themes in literature.

HONORS ENGLISH III - AMERICAN LITERATURE

1 credit **Grade: 11**

A survey of American literature from its beginnings through the mid-19th century, focusing on representative works in poetry, fiction, the essay, drama, and/or oral traditions studied in the context of the multicultural American experience. The course introduces recurrent themes in the scope of American literature and culture. Students read, analyze, and respond critically to texts in class discussions, examinations, and essays.

HONORS ENGLISH IV: BRITISH LITERATURE

1 credit **Grade: 12**

Honors English IV builds on the reading and writing skills gained in one's previous English classes at Latin School. It is designed to help students become lifelong readers with the skills to understand, interpret, and evaluate literature through the study of classic English works from ancient times to the twentieth century. The course involves reading, writing, thinking, and imagining: a cycle of individual reading and study, and group discussion that culminates in various modes of writing. Structure, characterization, style and theme will be explored in our selected works of literature. Reading will lead to writing.

AP LANGUAGE & COMPOSITION **1 credit** **Grade: 11**

Prerequisite: Grade of 85+ in previous English; Teacher Recommendation

This course cultivates reading and writing skills that students need for college success and for intellectually responsible civic engagement. The course guides students in becoming curious, critical, and responsive readers of diverse texts and becoming flexible, reflective writers of texts addressed to diverse audiences. The reading and writing students do in the course should deepen and expand their understanding of how written language functions rhetorically: to communicate writers' intentions and elicit readers' responses in particular situations. With the completion of the AP Exam, this course counts as an AP course and dual credit for those enrolled in the Thomas More Dual Credit program.

Dual Credit: Thomas More University

AP LITERATURE & COMPOSITION **1 credit** **Grade: 12**

Prerequisite: Grade of 85+ in previous English; Teacher Recommendation

This course focuses on reading, analyzing, and writing about imaginative literature (fiction, poetry, drama) from various periods. Students engage in close reading and critical analysis of imaginative literature to deepen their understanding of the ways writers use language to provide both meaning and pleasure. As they read, students consider a work's structure, style, and themes, as well as its use of figurative language, imagery, and symbolism. Writing assignments include expository, analytical, and argumentative essays that require students to analyze and interpret literary works. With the completion of the AP Exam, this course counts as an AP course and dual credit for those enrolled in the Thomas More Dual Credit program.

Dual Credit: Thomas More University

FINE ARTS & SPEECH DEPARTMENT

PREPARATORY FINE ARTS **.5 credit** **Grade: 7, 8**

Visual art promotes critical thinking skills, knowledge, and human development, as well as a strong sense of self-worth. In order to help the students understand the expressive potential of artist intention, cultural ideas past and present will be questioned. Learning occurs best when students are enjoying what they are doing. Required for 7th and 8th grades.

FINE ARTS I **.5 credit** **Grade: 10**

Comprehensive courses enable students to explore one or several art forms (e.g., drawing, painting, two- and three-dimensional design, and sculpture) and to create individual works of art. Initial courses emphasize observations, interpretation of the visual environment, visual communication, imagination, and symbolism. Courses cover the language, materials, media, and processes of a particular art form and the design elements used.

AESTHETICS - ART & MUSIC THEORY **.5 credit** **Grade: 11**

Aesthetics, the philosophy of Art and Beauty, provides students with a foundation to be patrons of the musical and visual arts for the rest of their lives by igniting an appreciation for the philosophy, theory, beauty, and historical and cultural context behind significant works of music and art.

CERAMICS **.5 credit** **Grade: 11, 12**

The Ceramics and Sculpture prompts students to develop a basic mastery in working with three-dimensional forms and materials. An important foundation for this course is knowledge of the art elements and design principles, which will be reviewed through each project. Students learn to observe carefully and interpret what they see around them, the importance of art in human history, and how to work with a variety of modes of expression and materials.

AP STUDIO ART **1 credit** **Grade: 11, 12**

AP 2D Design and AP Drawing are designed for students who are seriously interested in the practical experience of art. AP Studio Art is not based on a written exam; instead, students submit portfolios for evaluation at the end of the school year. The portfolio must reflect the student's ability to utilize the elements of art and principles of design, use a variety of media, and demonstrate a sophisticated level of creativity. Students will independently investigate an area of concentration in their artwork, which will be composed of research, exploration, practice and development of an idea. Students will not only create the required work, but they must also strive to make their art as interesting, creative and unique as possible.

PRINTMAKING **.5 credit** **Grade: 11, 12**

This course is designed to give students a first exposure to the studio and to the exploration of printmaking. Through personal instruction and demonstrations, students will learn a range of printmaking methods and approaches to making visual work through these methods. CLS Students will make a range of original prints and will be prepared for entering into further study in printmaking.

HISTORICAL SPEECH **.25 credit** **Grade: 9**

This class is a part of Introduction to the Classics and not only delves into ancient history but also offers a formal introduction to the art of public speaking. Participants will immerse themselves in the study of historical and classical speeches, honing essential skills in eloquence and presentation. Elevate your abilities in rhetoric and master the nuanced techniques that have resonated throughout history, fostering a profound appreciation for effective communication.

INTRODUCTION TO PUBLIC SPEAKING **.5 credit** **Grade: 10**

In this course, students will review the basics of Public Speaking: Gestures, Eye Contact, Memorization, Volume, Accentuation, and Confidence. Students will be introduced to the fundamentals of Debate, and how to form and analyze an argument and counter-argument, and to do so with good Public Speaking etiquette. They will also be introduced to the Art of Storytelling, Creating and portraying multiple characters and voices, and character physicality.

DEBATE **.5 credit** **Grade: 11**

This semester course elective will follow the progression through appropriate argumentation, utilizing the Lincoln Douglass model of argumentation. Throughout the course, students will dissect arguments and topics and then present their findings to the class through respectful debate.

ORIGINAL ORATORY **.5 credit** **Grade: 12**

This course focuses on original oratory and student-led speechwriting. Students will be coached in good interview skills and preparation. The culmination of the speech curriculum at CLS is an original student-written and performed oratory based on their Senior Thesis.

THEATER ARTS **.5 credit** **Grade: 11, 12**

Throughout this semester course, students work with a director who teaches the basic criteria for the interpretation of characters in a play based on the clues contained in the context of the script. Additionally, the concepts of voice, accentuation, memorization, and confidence as presented in earlier grades, will be reinforced. The course is a workshop course and will consist principally of the presentation of one play at the end of the semester and a project in which students develop their own artistic interpretation of their favorite pieces of source material.

SHAKESPEARE SPEECH **.5 credit** **Grade: 12**

In this course, students are introduced to basic dramatic and acting techniques through the works of the great English Playwright William Shakespeare. Students will learn how to coherently analyze and portray a Sonnet, Monologue, and a Cold Reading. Through a series of practices and performances, students are introduced to physical, vocal and characterization techniques, as well as historical context and performance practice.

INSTRUMENTAL MUSIC (BAND) **.5 credit** **Grade: 7-12**

The CLS Orchestra is open to instrumentalists who attend CLS regardless of experience level, although experience is recommended. Students will develop skills in instrumental music related to performing, analyzing, creating, and responding to music.
**This class meets before or after school or during enrichment period.*

CHOIR **.5 credit** **Grade: 7-12**

The CLS choir exists primarily to glorify God by assisting at Covington Latin School's weekly all-school mass in the Cathedral Basilica of the Assumption. Group singing promotes mental well-being as well as improved breath support and mental clarity. This course will also educate students in basic sung music theory, as well as in good choral performance practice in a practical, hands-on environment. In addition to weekly performances at Mass, the Choir also performs at three concerts throughout the year. **This class meets before or after school or during enrichment period.*

MASS MEDIA **.5 credit** **Grade: 11, 12**

Mass Media is a course that offers a comprehensive exploration of mass media, including print, broadcast, digital, and social media. Students will gain a deeper understanding of the role media plays in shaping public opinion, culture, and individual perspectives. Throughout the course, students will actively engage in hands-on projects, discussions, and critical analyses of real-world media examples. By the end of the semester, students will not only be well-versed in the principles of mass media but also equipped with the skills to navigate and contribute responsibly to the media landscape.

FILM STUDIES **.5 credit** **Grade: 11,12**

Film Studies is a comprehensive film studies class that covers various aspects of filmmaking, from the silent era to contemporary cinema. This course combines theoretical knowledge with practical insights, fostering a deeper understanding of film as an art form and a cultural phenomenon.Throughout the course, students will have the opportunity to watch and analyze a diverse selection of films, engage in discussions, and participate in creative projects. By the end of the semester, students will not only possess a comprehensive understanding of film as an art form but also the ability to critically analyze and appreciate cinematic language.

MATHEMATICS DEPARTMENT

PREPARATORY 7 MATH **1 credit** **Grade: 7**

This course will utilize the interactive, online, and teacher-led curriculum. Prep 7 math centers on understanding and applying proportional relationships. Students start by studying scale drawings, which sets up the introduction of proportional relationships. Students apply proportional relationships to solve problems involving fractional quantities and percent change. Students extend what they learned in math to compute positive and negative numbers, which leads to work on expressions, equations, and inequalities. The year ends with geometry, probability, and statistics as students study angles, triangles and prisms, and probability and sampling.

PRE-ALGEBRA **1 credit** **Grade: 7, 8**

Prerequisite: Preparatory Math 7 or Student Test Scores & Recommendation

Pre-Agebra is a foundation course that will guide you through the world of integers, single and multi-step equations, inequalities, geometry concepts, linear equations, and more. This course is to prepare students for the study of Algebra at the honors level, using online, interactive, teacher-led curriculum.

HONORS ALGEBRA I **1 credit** **Grade: 8, 9**

Prerequisite: Pre-Algebra or Student Test Scores & Recommendation

Students will use the online, interactive, teacher-led curriculum, Desmos, to explore a variety of function types. Building on the introduction to Algebra experienced in earlier grades, students will learn to set up and solve a variety of equations, understand function notation, apply quadratic and exponential functions to problem situations, and work cooperatively with others to explore and expand problem-solving abilities. The connection between the four main representations of functions: graphs, tables, words, and equations will be emphasized.

HONORS ALGEBRA II **1 credit** **Grade: 9, 10**

Prerequisite: Honors Algebra I

The purpose of this course is to give students a strong foundation in working with functions. Students are exposed to advanced topics in algebra, trigonometry, analytical geometry, probability, and statistics. Students will review concepts from Algebra I and then study various functions, including quadratic, polynomial, root, rational, absolute value, greatest integer, inverse, logarithmic, exponential, and trigonometric. Matrices, summation, sequences, and statistics are also studied during the year. Topics especially relating to Trigonometry will prepare the students for taking AP Calculus during their Form IV
year. For other students, this course will serve as an in-depth introduction to topics

that will be fully developed in PreCalculus. Students will become proficient with using graphing calculators to graph and analyze characteristics of various functions.

HONORS GEOMETRY & TRIGONOMETRY **1 credit** **Grade:10,11**

Prerequisite: Honors Algebra II

The purpose of this course is to give the students a solid foundation in geometry. Skills developed in Algebra I and Algebra II are integrated throughout this course, although geometry will constitute the main emphasis and subject matter. This course begins with basic geometric concepts and builds on this. Students will be exposed to logic, geometric reflections utilizing congruence, polygons and symmetry, triangle congruence, indirect and coordinate proofs, direct and indirect reasoning, similarity, and work with circles. Additionally, the coordinate geometry follows from the algebra and the transformation geometry introduces the idea of functions in an applied setting.

HONORS PRE-CALCULUS **1 credit** **Grade: 11, 12**

Prerequisite: Honors Geometry & Trigonometry

This course covers advanced algebra and trigonometry with an emphasis on functions. The course is designed to prepare a student for college calculus. Many of these topics have been presented in previous math courses. However, this course will cover them in greater detail and depth and will stress the application of the concepts to real life. Some topics never covered previously, such as polar coordinates and conic sections, will be helpful for future college calculus courses. Technology is used regularly in this course through the use of graphing calculators to perform precalculus-related functions.

AP CALCULUS **1 credit** **Grade: 11, 12**

Prerequisite: Honors Geometry & Trigonometry Grade 85+; Teacher Recommendation

AP Calculus AB covers the material in the first semester of a college calculus course. The course is fast-paced and intensive and requires a solid commitment of time from each student. The course addresses the topics that are on the AP Calculus AB Exam.

HONORS ELEMENTARY STATISTICS **1 credit** **Grade: 12**

This course aims to provide students with a basic understanding of elementary statistics at a college level. As the world progressively depends more on the importance of data analysis, this course helps assist students in understanding and interpreting data in a variety of media. The course will place heavy emphasis on understanding Microsoft Excel and digital worksheets to sort, manipulate, and analyze datasets to make logical conclusions. As a result, the equations and theory behind elementary statistics as well as the understanding on a digital platform, will be delivered together. The course follows a similar curriculum to first-level college statistics courses.

SCIENCE DEPARTMENT

EARTH & SPACE SCIENCE **1 credit** **Grade: 7**

This is a survey course in general earth science. Topics include the origin of the earth and geologic time, plate tectonics, earthquakes, oceanography, meteorology, the solar system, space exploration, astronomy, and climate change. Students will develop an appreciation of how science impacts daily life. Frequent demonstrations will make science concepts memorable.

PHYSICAL SCIENCE **1 credit** **Grade: 8**

The course will lead students through introductions of the basic concepts of Chemistry and Physics, in a study of matter and energy. This will be accomplished via learning the Scientific Method, investigations into the phenomena of chemistry and physics and the development of laboratory skills. Lecture format, video presentations and hands-on laboratory work will be used to achieve these skills. Demonstrations will make the concepts memorable. While the basic concepts of these areas will be stressed, further applications to everyday life will be highlighted.

HONORS BIOLOGY **1 credit** **Grade: 9**

In this course, students study living organisms and life processes from the smallest cells to the largest ecosystems. Honors Biology includes biweekly labs with an emphasis on critical thinking and problem-solving skills. The course framework includes units in biochemistry, cytology, energetics, genetics, evolution, ecology, and taxonomy.

HONORS CHEMISTRY **1 credit** **Grade: 10**

This class will study the composition, structures, and properties of substances and the transformations that they undergo. The scientific method will be discussed along with writing chemical formulas and balancing chemical reactions. The energy involved in chemical reactions will be studied. Finally, electron configurations and Lewis structures will be explained as well.

HONORS PHYSICS **1 credit** **Grade: 11,12**

This course is designed to introduce the student to the major ideas in the science of physics from its beginning in the 7th century B.C. Greece to the present, including Einstein's relativity. Students will understand basic physics concepts with an emphasis on Newtonian mechanics and be able to solve related problems with algebra. They will study the contributions of physicists from Aristotle to Einstein. They will do relevant labs and problem solving and learn how physics applies in the contemporary world. Demonstrations will make clear the connection between science and "everyday" life.

HONORS ANATOMY & PHYSIOLOGY **.5 credit** **Grade: 11, 12**

Anatomy and Physiology is a laboratory science course that includes an in-depth study of the body systems that maintain homeostasis from anatomical, physiological, and histological perspectives. Subject matter includes protection, support and movement, integration and regulation, transportation, absorption and excretion, reproduction, and growth and development.

ENVIRONMENTAL SCIENCE **.5 credit** **Grade: 11, 12**

Students in this course will scientifically study ecosystems, population dynamics, resource management, and the environmental consequences of natural and anthropogenic processes. Environmental Science is an interdisciplinary course that integrates Biology, Earth Science, Chemistry, Politics, Economics, Ethics and other disciplines. Students will engage in the scientific processes while exploring real world applications of the environment and its past, present and future uses. Students will also engage in reading, writing, exploration, projects, and labs to increase their decision-making and problem-solving skills as well as increase their knowledge of environmental issues.

AP PHYSICS **1 credit** **Grade: 11,12**

Prerequisites: Geometry Grade of 85+; Teacher Recommendation

This course will prepare a student for first-semester college-level physics classes, whether as a major or as a co-requisite for a major in a related discipline (Chemistry, Biology, Math, etc.). Physics deals with matter and energy (every natural, created thing). This course will limit itself to the study of Classical (Newtonian) Mechanics (motion, forces, and energy). A large component of this course will be thinking about the world from a mathematical perspective and gaining facility in doing so. 25% of the class work will be completed in lab or demonstrations.

AP BIOLOGY **1 credit** **Grade: 11,12**

Prerequisites: Biology Grade of 85+; Teacher Recommendation

This AP Biology course is designed to offer students a solid foundation in introductory college-level biology. The course is structured around the "Four Big Ideas,""Enduring Understandings," and "Science Practices." The students will develop an appreciation for the study of life and will identify and understand unifying principles within a diversified biological world. Science is a way of knowing. Therefore, knowing about Biology requires that students learn the process of inquiry and develop critical thinking skills. The course will focus not only on knowing science content but also on learning skills to analyze and interpret data and to communicate information in a meaningful way to others. At the end of the course, students will have an awareness of the integration of other sciences into the study of biology and become knowledgeable and responsible citizens in understanding biological issues that could potentially impact their lives.

AP CHEMISTRY **1 credit** **Grade: 11,12**

Prerequisites: Chemistry & Algebra II Grade of 85+; Teacher Recommendation

Learn about the fundamental concepts of chemistry, including structure and states of matter, intermolecular forces, and reactions. You'll do hands-on lab investigations and use chemical calculations to solve problems. Design experiments and procedures to test a prediction or theory. Create graphs, diagrams, and models that represent chemical phenomena. Explain how the microscopic structure of a substance determines its chemical properties. Balance chemical equations. Make a scientific claim and support it with evidence.

SOCIAL STUDIES & HUMANITIES DEPARTMENT

WORLD GEOGRAPHY **1 credit** **Grade: 7**

World Geography focuses on the distribution, processes, and effects of human populations on the planet. The course begins with an overview and introduction to Physical and Human Geography. Units of study include the following regions: the United States, Canada and Latin America, Africa, Central and Southwest Asia (Middle East), South Asia, East Asia, and the Pacific World. Using content from this course, students will learn organization and study skills that can be integrated across all disciplines.

PREPRATORY US HISTORY **1 credit** **Grade: 8**

United States History is an introductory history course where students will learn to read, think, and write like a historian. This course will examine historical skills by analyzing the early Americas to the present day. Using content from this course, students will learn organization and study skills that can be integrated across all disciplines.

INTRODUCTION TO THE CLASSICS **1 credit** **Grade: 9**

Introduction to the Classics is an introductory history course where students will learn to read, think, and write like a historian. This course will examine historical skills through analyzing Ancient Civilizations, the Middle Ages, the Crusades, early America, and the Renaissance and Exploration. This course will also cover an introduction to public speaking, including learning and presentation skills of historical, classical speeches. Using content from this course, students will learn organization and study skills that can be integrated across all disciplines.

HONORS WORLD HISTORY **1 credit** **Grade: 10**

Honors World History is an intermediate history course where students will learn to read, think, and write like a historian. This course will examine historical skills by analyzing the early modern world from 1200 to the present, with special emphasis on political, economic, and cultural shifts.

AP WORLD HISTORY **1 credit** **Grade: 10**

Prerequisites: Current History Grade of 85+; Teacher Recommendation

AP World History is equivalent to an introductory college survey course that explores the expansive history of the human world. You will learn many facts, but also the critical thinking skills necessary to analyze historical evidence. This course makes the learning of world history an enjoyable experience through the use of multimedia resources, the development of analytical skills, and an open structure of learning in the classroom. Students will be able to show their mastery of the course goals by taking part in the College Board AP Modern World History Exam in May.

HONORS US HISTORY **1 credit** **Grade: 11**

Honors United States History is an intermediate history course where students will continue to read, think, and write like a historian. This course will enrich the student's historical skills by analyzing American history from the 1400s to the present, with special emphasis on political, economic, and cultural shifts.

AP US HISTORY **1 credit** **Grade: 11**

Prerequisites: Current History Grade of 85+; Teacher Recommendation

AP United States History is equivalent to an introductory college survey course that explores the social, political, and economic development of the US. You will learn many facts, but also the critical thinking skills necessary to analyze historical evidence. This course makes the learning of US history an enjoyable experience through the use of multimedia resources, the development of analytical skills, and an open structure of learning in the classroom. Students will be able to show their mastery of the course goals by taking part in the College Board AP United States History Exam in May.

AP HUMAN GEOGRAPHY **.5 credit** **Grade: 9, 10**

This is an Advanced Placement course that explores how humans have understood, used, and changed the surface of Earth since its beginnings. You'll use the tools and thinking processes of geographers to examine patterns of human population, migration, and land use. 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. This is a very rigorous course and will require lots of reading, writing, and critical thinking to prepare students to take the Advanced Placement test for the course in May.

HONORS US GOVERNMENT **.5 credit** **Grade: 12**

Students will study the purposes, principles, and practices of the American government as established by the Constitution. Students are expected to understand their rights and responsibilities as citizens and how to exercise these rights and responsibilities in local, state, and national government. The reading of primary source documents is a key feature of United States Government and Civics standards. *This course is not offered every year

AP US GOVERNMENT **1 credit** **Grade: 12**

Study the key concepts and institutions of the political system and culture of the United States. You'll read, analyze, and discuss the U.S. Constitution and other documents, as well as complete a research or applied civics project. Connect political concepts to real-life situations. Explain the impact and implications of certain U.S. Supreme Court decisions. Analyze data to find patterns and trends to draw conclusions. Read and analyze text and visual sources to develop a claim or thesis for an essay topic.

HONORS ECONOMICS **.5 credit** **Grade: 11, 12**

In this course students will learn the basics of what economics is as well as how economics affects their daily lives and the world around them. Students will learn the basics of both micro and macroeconomics as well as the essentials of managing their own money through financial planning, budgeting, and investing. This course will fulfill the Financial Literacy requirement.

HONORS ANCIENT PHILOSOPHY **.5 credit** **Grade: 11, 12**

This course will take the form of a Socratic Seminar. Students will study Plato's Republic and Aristotle's Nicomachean Ethics in a discussion setting, with the teacher present simply to facilitate dialogue. The class will culminate in a term paper. Focus will be placed on the passages and philosophy that have shaped modern Catholic theology.

CONTEMPORARY WORLD ISSUES **.5 credit** **Grade: 11, 12**

The 21st century is characterized by changing circumstances as new economies emerge and new technologies change the way people interact. Issues related to health, economics, security, and the environment are universal. The dynamics of global interactions among nations and regions present issues that affect all humanity. These dynamics include competing beliefs and goals, methods of engagement, and conflict and cooperation. Contemporary issues have political, economic, social, historical, and geographic components. Approaches to addressing global and regional issues reflect historical influences and multiple perspectives. *This course is not offered every year.

PATRISTICS **.5 credit** **Grade: 11, 12**

This course will also consist of discussion and a term paper. Rather than studying classical philosophy, the spring philosophy elective will study the writings of early Church fathers. Selections from St. Augustine of Hippo's Confessions and the Five Theological Orations of St. Gregory Nazianzus will be read and discussed by students. The semester will end with a research paper.

INTRODUCTION TO EDUCATION **.5 credit** **Grade: 12**

Students will study the teacher's role in the education program, experience local public and non-public schools, and analyze the function of schools today. Field experience in diverse settings. The goal for this course is to gain experiences that will help one decide on future career paths, establish working relationships with professionals, learn to reflect/evaluate the use of standards (InTASC/KTPS) Standards and high-leverage practices (HLPs), explore teaching styles, and to investigate different learning environments and their impact on student learning.

Dual Credit: Thomas More University

INTRODUCTION TO PSYCHOLOGY **.5 credit** **Grade: 11, 12**

An introduction to the field of Psychology and to the methods of study used by psychologists. Emphasis is placed on a scientific approach to understanding human behavior. Topics covered include the biological basis of behavior, sensation, perception, learning, memory, personality, abnormal behavior, and social behavior.

Dual Credit: Thomas More University

INTRODUCTION TO PHILOSOPHY **.5 credit** **Grade: 11, 12**

Dual Credit: Thomas More University

INTRODUCTION TO BUSINESS **.5 credit** **Grade: 11,12**

Dual Credit: Thomas More University

THEOLOGY DEPARTMENT

PREPARATORY 7 THEOLOGY **1 credit** **Grade: 7**

Living as a Disciple of Christ: The course will emphasize how to follow Christ, the Incarnate Son of God. What does it mean to follow? Jesus tells us, "I am the way, the truth, and the life" (Jn 14: 5-7). The course will focus on what it means to live as a disciple of Christ.

PREPARATORY 8 THEOLOGY **1 credit** **Grade: 8**

This course covers the importance of personal and spiritual growth, an overview of Church History from the time of Christ to the present, and the influence of the lives of the saints.

THEOLOGY I **1 credit** **Grade: 9**

Students will gain knowledge and appreciation of Sacred Scripture from the Old Testament to the New Covenant in Christ, as well as the early Church. This includes a special focus on the Gospels, where students will meet Jesus Christ and develop a deeper faith in Him. This course introduces students to the Blessed Trinity in and through the fullness of God's revelation of Himself: Jesus Christ. They will study the Incarnation, the union of Christ's two natures, Jesus as the exemplar of humanity, as well as the unique role of Mary, the Mother of God.

THEOLOGY II: THE PASCHAL MYSTERY & THE CHURCH IS CHRIST'S LIVING BODY

1 credit **Grade: 10**

The Paschal Mystery: In this course, students will enter into the Paschal Mystery of Christ - His Passion, Death, Resurrection, and Ascension - and learn about how it is the fulfillment of God's promise of redemption made to us after the Fall. They will also learn how the Church calls us to participate in the Paschal Mystery in our own lives.

The Church is Christ's Living Body: In this course, students will learn the origin, foundation, and manifestation of the Catholic Church, established by Jesus Christ during His earthly life, to continue His saving mission until the end of time. Through their exploration of the Church, students will consider various images of the Church, the four marks of the Church, and the role of the Church in the life of the believer.

THEOLOGY III: THE SACRAMENTS & THE CHURCH

1 credit **Grade: 11**

The Sacraments: We study the seven sacraments instituted by Christ and how He entrusted the sacraments to the Church as a means of grace and how we can better learn about them through God's Word, and Holy Scripture, guided by the Holy Spirit.

The Church: We learn about the History of the Catholic Church from its beginnings with Adam and Eve and their relationship with God through Jesus Christ's salvific mission to build His Church from the apostles through apostolic succession. We will also study, in

depth, the root causes of the Reformation and what it meant to the Catholic Church then, and what led us to what the Catholic Church is today.

THEOLOGY IV: OUR MORAL LIFE IN CHRIST

1 credit **Grade: 12**

Our Moral Life in Christ: We are called to share in the life of Christ. We do this by living our lives according to our faith and using our free will to make good, moral decisions. Morality does not simply refer to our actions that affect other people but also the internal virtues we cultivate and the goals to which we orient our lives. This course is designed to educate students on how they are called to live their moral lives in Christ. This includes defining and understanding what the foundations of morality are according to the Church, as well as the basics of Catholic Social Teaching (CST). It also utilizes C.S. Lewis' Mere Christianity as a tool to enrich the faith of students and help them prepare to live as disciples of Christ in an age of skepticism. The teachings of Christ are presented as the culmination of moral truth and as a guide to happiness. The Old Law, New Law, and virtues are examined in detail, and students are challenged to deepen their understanding of moral life. Freedom is a gift that always comes with the responsibility to act with love and charity.

WELLNESS & PHYSICAL EDUCATION DEPARTMENT

PHYSICAL EDUCATION **.5 credit** **Grade: 7, 8, 9**

This course is designed to enhance the student's knowledge and capabilities in the area of physical education through cardiovascular, strength and flexibility training, team building, and confidence. Games and activities are used to demonstrate their knowledge of these skills.

PREPARATORY HEALTH **.5 credit** **Grade: 8**

This course enables students to acquire the knowledge and skills necessary to promote the lifelong goals of health and wellness. The focus of the course is to empower each student with the capacity to obtain, interpret, and understand basic health information and services and apply that knowledge to make informed health-enhancing decisions in their daily life. Content areas included within the study of health education would include the following: family life, mental and emotional health, injury prevention, nutrition, personal health and fitness, prevention and control of disease, and substance use and abuse. Through the study of these conceptual areas, students will not only comprehend the principles related to health promotion and disease prevention but will also be able to demonstrate their ability to use this knowledge in a healthful manner.

HONORS HEALTH I **.5 credit** **Grade: 9**

This course enables students to acquire the knowledge and skills necessary to promote the lifelong goals of health and wellness. The focus of the course is to empower each student with the capacity to obtain, interpret, and understand basic health information and services and apply that knowledge to make informed health-enhancing decisions in their daily life. Content areas included within the study of health education would include the following: family life, mental and emotional health, injury prevention, nutrition, personal health and fitness, prevention and control of disease, and substance use and abuse. Through the study of these conceptual areas, students will not only comprehend the principles related to health promotion and disease prevention but will also be able to demonstrate their ability to use this knowledge in a healthful manner.

WORLD LANGUAGES DEPARTMENT

HONORS LATIN I **1 credit** **Grade: 9**

This course is an introduction to the Latin language. It stresses the basic language skills of reading and writing. Course contents are basic vocabulary, grammar, readings, questions in Latin, and Latin language concepts. By following the adventures of a "typical" Roman family, Ecce Romani IA & IB open to the student the world of Greece and Rome and their influences in our world today.

HONORS LATIN II **1 credit** **Grade: 10**

In this course students will utilize the skills of reading, writing, and speaking to develop concepts studied in Latin I and confident and capable readers of Latin. Topics of focus include grammar, culture, history, mythology, and translation of texts. As longer and more complex stories are introduced, content will be reviewed and tested for a comprehensive approach to understanding the ancient civilizations of Greece and Rome.

HONORS LATIN III **1 credit** **Grade: 11**

In this course students will utilize the skills of reading, writing, and speaking to develop concepts studied in Latin I and II and confident and capable readers of Latin. Topics of focus include grammar, culture, history, mythology, and translation of texts. As longer and more complex stories are introduced from real historical figures, content will be reviewed and tested for a comprehensive approach to understanding the ancient civilizations of Greece and Rome. This course is aimed to be the first preparation year of students for the AP Latin Exam and completing half of the required materials.

AP LATIN IV **1 credit** **Grade: 12**

Prerequisite: Latin III Grade of 85+; Teacher Recommendation

Latin IV follows the AP syllabus published by The College Board in its course description. The course focuses on Vergil's Aeneid as a study of Latin poetry. As such, a thorough discussion of the epic, the hero, stylistic devices, and literary criticism occurs throughout the year. Cultural, mythological, and historical references to Rome, Augustus, and the Trojan War are also examined. We will start the year with an overview of poetry, as well as a selection of readings by Catullus.

GREEK I **1 credit** **Grade: 11**

Attic Greek I is the study of the Greek language written and studied in ancient Athens. This course is an introduction to that language. A focus will be placed on basic vocabulary and grammatical structures. Readings and questions in Greek will be the basis for study. By following the adventures of a "typical" Athenian family, Athenaze opens to the student the world of Greece and its influences in our own world today.

GREEK II **1 credit** **Grade: 12**

Prerequisite: Greek I

This course continues an overview of the ancient Greek language. It stresses the basic language skills of reading and writing. The course will focus on basic vocabulary, more complex grammar, readings and questions in Greek, and Greek language concepts. It builds off of the concepts and structures learned in Attic Greek I. By following the adventures of a "typical" Athenian family, Athenaze opens to the student the world of Greece and its influences in our own world today.

GERMAN I **1 credit** **Grade: 11**

The purpose of German I is to provide students with a working knowledge of German so that they can communicate on a basic level and have an understanding of the grammar of the language. They will also develop a knowledge of the culture of German-speaking countries.

GERMAN II **1 credit** **Grade: 12**

Prerequisite: German I

This course will continue the progress begun in German I, developing oral and written communication skills, understanding of German grammar, vocabulary, and the culture of German-speaking countries. Students will be introduced to modern German literature.