



# **2023-24 Curriculum Guide**

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## **Our Mission**

The mission of Trinity Preparatory School of Florida is to develop ethical, resilient leaders who thrive in the pursuit of excellence, embrace diversity in thought and perspective, and grow spiritually.

## **Core Values**

In support of our mission, we reaffirm our commitment to these four core values:

### **Trinity Family**

Our community values traditions, respects the dignity of each member of the Trinity family, and is safe, caring, and supportive.

### **Educational Excellence, both Academic and Extracurricular**

We are committed to encouraging passionate engagement and providing challenging programs, exemplary instruction, and meaningful guidance.

### **Leadership and Character Development**

Our school promotes leadership, ethical behavior, and personal responsibility, and reinforces the highest standard of character and honor.

### **Faith and Spirituality**

We affirm the spiritual dimension of life and sustain a community where all are encouraged to explore and deepen their own faith.

## **Our Vision**

The vision of Trinity Preparatory School of Florida is to be a top college prep school in the nation, built on a foundation of tradition and excellence while embracing the promise and challenge of the future.

## **The Trinity Preparatory School Honor Code**

I will maintain my self-respect. I will not lie, cheat, or steal, nor tolerate anyone who does

## Graduation Requirements

To graduate from Trinity Preparatory School, students must earn at least 22 course credits , with minimum requirements in each department listed below.

Students may earn more than 22 credits. A full year course is awarded one credit; a semester-long course is awarded one-half credit. Health and Wellness is a part of the 8th grade curriculum, but is offered to upper school students who did not take the course before enrolling at TPS.

English	4 credits	<ul style="list-style-type: none"> <li>• English 9 or Honors English 9</li> <li>• English 10 or Honors English 10</li> <li>• Honors English 11 or AP English Language</li> <li>• Honors English 12 or AP English Literature</li> </ul>
Social Sciences	4.5 Credits	<ul style="list-style-type: none"> <li>• AP Human Geography; World History to 1550 or Honors World History to 1550</li> <li>• Honors World History 1550 to present or AP World History</li> <li>• Honors American History or AP U.S. History</li> <li>• One additional 0.5 credit of general social science</li> <li>• 0.5 credit of Ethics</li> <li>• 0.5 credit of Economics (Hon Economics, AP Macroeconomics, or AP Microeconomics)</li> </ul>
Science	3 credits	<ul style="list-style-type: none"> <li>• Biology is a graduation requirement</li> </ul>
Mathematics	3 credits	<ul style="list-style-type: none"> <li>• Algebra I, Geometry, and Algebra II are required for graduation</li> </ul>
World Language	2 credits	<ul style="list-style-type: none"> <li>• 2.0 credits in the same language must be taken in consecutive years in grades 9-12</li> </ul>
Physical Education	1 credit	<ul style="list-style-type: none"> <li>• 0.5 credit in Health and Wellness is required to be taken in grades 8-12</li> <li>• 0.5 credit in Personal Fitness is required to be taken in grades 9-12 (the course can be taken the summer before 9th grade)</li> </ul>
Fine Arts	1 credit	
Computer Science	0.5 credit	<ul style="list-style-type: none"> <li>• Classes taken in grades 7-8 can count towards this 0.5 credit</li> </ul>
Electives	3 credits	<ul style="list-style-type: none"> <li>• Elective credits are any credits taken beyond the required graduation credits. For example, if a student takes 3 credits in the Fine Arts department, the first credit counts towards the graduation requirement of 1.0 credit and the remaining 2 credits count as elective credits.</li> </ul>

## Add/Drop Policy

**A student may opt to add or drop a class during the first 10 days of each semester for the following reasons:**

- Academic misplacement due to previous grades or teacher information. Changing course levels must be approved by the department chair. Within a department, a shift from one level to another may occasionally be made after the add/drop period when initiated by the teacher.
- Missing a graduation requirement
- Missing a course prerequisite

**Reasons that a course change would not be granted would be:**

- The desired course/section is full.
- The student has not received the teachers' approval
- The student just doesn't like the teacher
- It puts their course load below the minimum required classes that semester.
- The change was initiated after the 10th day of the semester.

**Please see the Student Handbook for grading policies in regards to course changes.**

## Transcript Request Policy

A student's transcript is the official school record of courses taken, grades earned, cumulative GPA, and weighted GPA. Student records are maintained for the benefit of the student. They are used for promotion, instruction, guidelines, and educational progress of the student. Student transcripts are available to students, their parents/legal guardians when requested, and to local, state, and federal agencies when allowed by law. Student transcripts can only be released with prior written consent from a parent/legal guardian or by the student if they are over the age of 18.

### Types of Transcripts:

**Official:** This document contains the school letterhead, signature of the registrar, and watermark Trinity Preparatory School crest, and is sealed in an envelope with a security stamp. An exception to this form is when an official transcript is sent electronically, in which case the transcript can only be sent to the email address of an institutional official.

**Unofficial:** This document is a copy of a transcript that does not have a watermark and signature, and states "Unofficial" on the document.

## Transcript Request Policy, cont'd

### Requesting a Transcript:

#### **Students who currently attend TPS:**

Current seniors applying to colleges should request their transcripts through SCOIR or their college counselor. Should a transcript be needed for an extra-curricular program, internship, or job, a **Transcript Request Form** must be filled out. Official transcripts will not be handed to current students or parents.

#### **Alumni of TPS:**

To request an official transcript to be sent to a college, university or potential employer, former students are required to fill out a **Transcript Request Form**. The link can be found on the Trinity Preparatory School website or by emailing the Registrar.

#### **Military Recruiters, Attorneys, Employers, and all other agencies:**

To verify dates of enrollment or graduation dates, a release signed by the individual whose information is being requested must be provided.

#### **Schools requesting a student's permanent record (CUM, Transcript, Health, Behavior):**

To request transcripts or records to be sent to a school where a former student has transferred, written consent from a parent/legal guardian or by the student if they are over the age of 18 must be provided. Students/Families must be in good standing with the business office before documents can be sent.

# COMPUTER SCIENCE DEPARTMENT

The goal of the computer science department is to provide each student the opportunity to develop their skills in a variety of areas, including presentation formats, coding, robotics, and multimedia, by offering courses that are current in today's society as well as conveying an understanding of current trends and the ethical use of technology.

The department has a three-tiered approach: programming, multimedia, and robotics. Students can follow one or all three paths.

A sequential development in the programming courses allows students to maintain competency with current programming trends in JAVA and C++. Both paths allow students to enroll in the advanced classes of Honors Computer Programming C++ and AP Computer Science A.

Students interested in robotics have the opportunity to take the middle school FTC Robotics program and the upper school courses of FRC Robotics, which include working with professional engineers.

In media, students can explore anything from the basics of animation to the study of film production. Students learn to use sound, light, and camera, as well as current professional software, and develop basic techniques such as storyboarding to plan and execute projects.

Students in grades 7 through 12 can meet their 0.5 credit graduation requirement with any computer course.

## COMPUTER SCIENCE COURSES

### **7235. Fundamentals of Computer Science**

**Grades: 7-8**

**Year: 0.5 credit**

**Prerequisite: Completion of or current enrollment in Algebra I**

Fundamentals of Computer Science provides students with a foundation in computer history, components and devices, programming, and proper use of computer systems, services, and software. Students will learn skills including documentation, project management, and agile methodologies, along with physical computing, website design, user interface design, through multiple programming environments such as Scratch and App Creator. Students will be encouraged to apply classroom principles to real-world design challenges, integrating work across disciplines.

### **7240. Honors Computer Programming**

**Grades 9-12**

**Year: 1.0 credit**

**Prerequisite: Completion of or current enrollment in Algebra I**

Students are introduced to the basic elements of a programming language, including hardware vs. software choices, variables, constants, selection structures, iteration structures, and file processing. Students learn how to write object-oriented programs individually and in groups. Coding and testing require a high degree of interaction with the computer.

### **7245. Honors Advanced Programming**

**Grades 10-12**

**Year: 1.0 Credit**

**Prerequisite: B+ or better in Honors Computer Programming and permission of the department chair**

This project-based course will have students work on specific goals and outcomes, such as mastering an additional language, developing an app for a client, or other similar programming-based projects. The course will focus on project management, teamwork, and collaboration. Students will be expected to identify potential projects that will be completed over the course of the academic year, achieving specific milestones throughout the project timeline.

**7252. AP Computer Science A****Grades 9-12****Year: 1.0 credit****Prerequisites: B+ in Computer Programming I and II and permission of the instructor**

This advanced elective course includes a study of programming methodology, algorithms, pure object-oriented programming, and computer platforms. Students study, discuss, and practice advanced topics such as searching, sorting, efficiency of run time, and recursion and are given several labs during the year to simulate building a complex real-world solution. They learn to read existing code and make changes to create a more efficient end-user product. Students also compete in programming tournaments.

**7261. Honors Advanced Competitive Programming****Grades 10-12****Year: 1.0 credit****Prerequisite: B+ or better in Honors Computer Programming and permission of the department chair**

This is an advanced-study course designed to improve students' ability to compete in programming tournaments. Topics include graph theory, geometric algorithms, combinatorics, and string manipulation. There will be constant practice for programming competition, both internal and on college campuses.

**7325. Fundamentals of Robotics****Grades 7-8****Semester: 0.5 credit**

Fundamentals of Robotics provides students with a foundation in robotics history, components and devices, programming, design, operation, and proper use of robotics and autonomous systems. Students will learn skills including documentation, project management, and agile methodologies, along with design of mechanical components, user and operation of sensors, and robotic programming environments. The course will be based on the TI Innovation Hub and Rover. Students will be encouraged to apply classroom principles to real-world design challenges, integrating work across disciplines.

**7326. Robotics****Grades 9-12****Semester: 0.5 credit**

Robotics provides students with the opportunity to learn the engineering design process, computational thinking, project management, documentation, and workforce skills to build a robot. Students are introduced to the robot's systems and the essential math and science needed to build the robot. Skills developed include the design of different types of manipulators, how to create programs with sensors, closed-loop feedback, and machine learning, as well as drive chassis and remote operation. Projects will be based on the current FTC competition from FIRST. Students will also have the opportunity to apply their skills to aerial and water based robots.

**7327. Competitive Robotics****Grades 9-12****Semester: 0.5 credit**

Competitive Robotics is intended for students who wish to continue to pursue coursework in robotics with a specific emphasis on competition events such as FIRST, MATE, or RDL. Students apply knowledge learned as they troubleshoot and improve their robot designs, learning to overcome failures and refine a design that will make them increasingly competitive.

**7170. Fundamentals of Innovation & Design****Grades 6-8****Semester: 0.5 credit**

Fundamentals of Innovation and Design provides students with a foundation in design thinking and innovation and an introduction to engineering principles. Students will learn skills including documentation, project management, and agile methodologies, along with principles of various engineering disciplines, science explorations, and mathematical concepts. The course will provide a series of explorations into a variety of subjects, allowing for



student interest and discovery of information that will allow them to have a real-world impact through their coursework.

### **7175. Innovation & Design Concepts**

**Grades 9-12**

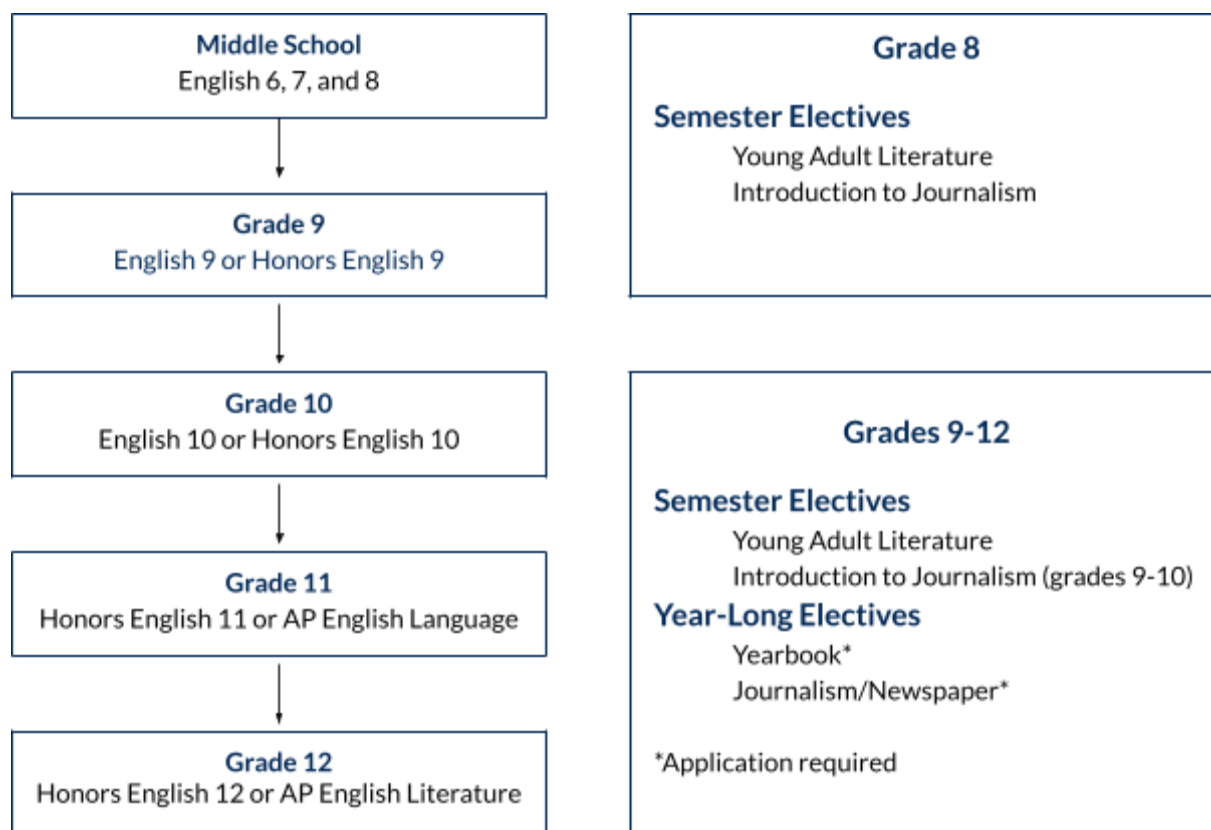
**Semester: 0.5 credit**

Innovation and Design provides students with a foundation in design thinking and innovation and an introduction to engineering principles. Students will learn skills including documentation, project management, and agile methodologies, along with principles of various engineering disciplines, science explorations, and mathematical concepts. Projects, discussions, and presentations in the class allow students to have innovative solutions to real-world problems. Students are expected to integrate academics and technical skills to lead collaborative problem-solving projects .

# ENGLISH DEPARTMENT

English courses have three main objectives: to develop the capacity for both expository and imaginative writing, to increase students' understanding of literature, and to encourage critical reading, thinking, and analysis. English is required of all students each year.

The curriculum is developmental and sequential, allowing students to progress from simple sentence structure and syntax in middle school to a complex and articulate use of language in upper school. Students are introduced to much of the world's great literature, with selections chosen from all genres and many nations. Research techniques are adapted to each grade level, and students learn the skills of library research and literary criticism.



## ENGLISH COURSES

### **1110. English 6**

English 6 incorporates the study of literature, vocabulary, grammar, and writing. Reading comprehension skills are developed through short stories, poetry, essays, and novels. Critical reading and thinking skills are refined through class discussions related to the basic elements of literature. Vocabulary skills are expanded through the study of words in literature as well as those commonly seen on college admissions assessments. Basic grammar, upon which subsequent English classes build, is introduced, including sentence structure, usage, punctuation, and parts of speech. The writing component of the class is an important one, providing numerous opportunities for students to develop both composition and keyboarding skills. Sequential process is stressed and approached in a step-by-step manner as students become familiar with literary analysis and persuasive writing. Students also write in the interdisciplinary content areas of science and history, applying skills learned in English class.

### **1120. English 7**

English 7 explores the art of communication and the relationship between thinking and expression. Analytical thinking is cultivated in reading, writing, and speaking while exploring the basic elements of literature (narrative structure, theme, characterization, symbolism, point of view, etc.) through a study of selected fiction, non-fiction, sequential art, and poetry. Response to literature includes comprehension and analysis as well as connection to personal experience and contemporary issues. Emphasis is placed on using higher-level vocabulary, taken directly from the current text of study, in speech and writing. Students develop their creative and formal writing skills in a collaborative setting, with an emphasis on developing pre-writing, drafting, and editing as part of the writing process. Grammar topics include parts of speech, parts of a sentence, sentence structure, punctuation, proper usage, and application.

### **1130. English 8**

English 8 deepens and further develops the students' critical vocabulary as they study the elements of literature, with emphasis on plot structure, point of view, symbolism, and allegory. Major literary selections include novels, short stories, poetry, and a Shakespeare play. Writing assignments include expository essays, response papers, and creative writing. Critical and analytical essays involve multi-step development of a thesis, supported by examples, details, and reasoning. Themes include social justice, identity, prejudice, and the courage to make moral choices.

### **1210. English 9**

**Year: 1.0 credit**

English 9 will explore the conventions of different genres, using both canonical and modern texts. The course focuses on journeys and heroes, examining what it means to be a hero in different times and cultures, and the conventions that provide the foundation for heroic poems, plays, and stories. It considers authorial intention in regard to content and conventions when exploring different styles of writing. Mirroring many elements of the Honors English 9 curriculum, English 9 involves close reading, writing, vocabulary, grammar, and research in preparation for English 10 and Honors English 10.

### **1211. Honors English 9**

**Year: 1.0 credit**

Honors English 9 explores literary works from ancient civilizations and modern cultures. Major genres include epic poetry, drama, the essay, the novel, and the short story. Students learn close reading and notetaking techniques and further develop their critical-thinking skills through in-class discussions and writing assignments. Through an emphasis on the writing process, students strengthen their understanding of grammar and sharpen their analytical skills. They also develop an ability to give and receive constructive feedback, and they learn how to revise their writing to increase its effectiveness. Student-produced writing includes collaborative writing, creative writing, literary analysis, personal and reflective writing, and research papers.

### **1220. English 10**

**Year: 1.0 credit**

English 10 explores different literary genres from the 17th through the 20th centuries through a wide range of essays, poetry, novels, plays, and films. This study prioritizes close critical reading and effective writing through analytical, personal, and creative assignments. In addition to reading and writing, students also practice oral presentations and classroom discussion. English 10 prepares students for Honors English 11. Students who may be interested in taking AP English Language and Composition in their junior year should consider taking Honors English 10.

### **1221. Honors English 10**

**Year: 1.0 credit**

Honors English 10 covers major English-language literature from Britain and America. Through a variety of texts from the past, as well as the works of contemporary writers, students learn to identify and analyze major social movements and literature. The class is focused on critical thinking, literary analysis, and writing in a variety of styles. Collaborative, project-based learning teaches students reading, analysis, organization, revision, and self-evaluation--necessary skills for future English courses, college, and the workplace.

### **1231. Honors English 11**

**Year: 1.0 credit**

Concentrating on the 20th century, Honors English 11 complements history studies. Exploration of Modernist literature is enriched by supplementary studies of art, music, theatre, film, and major inventions of the past 125 years. Broadened cultural literacy is an expected outcome. The literature reflects stylistic and subjective changes in the wake of Modernism. Writing opportunities are varied, ranging from creative expositions to informal criticism of shorter works to formal essays relating to the longer works. Students write personal essays in preparation for the college application and an informative research paper in preparation for further research during their senior year.

### **1232. AP English Language and Composition**

**Grade 11**

**Year 1.0 credit**

**Prerequisite: B+ or higher in Honors English 10. Students who took English 10 and would like to be considered for AP Language must have earned an A in English 10 and have the approval of the department chair.**

AP English Language and Composition introduces students to the rigors of college-level work in writing and analysis. It engages students to become sensitive, savvy readers and involves the study of texts from a variety of periods, disciplines, and rhetorical contexts. It also helps students develop their writing skills and teaches them to respond to a wide range of writing situations and purposes. AP Language devotes much of its curriculum to the discussion of the craft of writing and rhetorical analysis. In terms of literature, the 20th century is emphasized, but the focus is not exclusively on this period. In the second semester, students are introduced to the analysis of visual texts.

### **1241. Honors English 12**

**Year: 1.0 credit**

Honors English 12 builds a bridge between high school and college. In the fall semester, the class studies the genres of flash fiction and comedy, focusing mainly on the works of contemporary short-story writers and Shakespeare. In the spring, students explore additional genres of literature, including autobiography, tragedy, the novel, and detective fiction. They continue to develop research skills and write a major research paper. Analytical reading and writing remain an integral part of the curriculum, but students are also asked to expand their repertoire of writing modes and develop their writing skills by paying particular attention to style, diction, and grammar. Presentations and a dramatic performance provide students with opportunities to strengthen their public-speaking skills.

## **1242. AP English Literature and Composition**

**Grade 12**

**Year: 1.0 credit**

**Prerequisite: B+ or higher in 11th grade English or AP Language**

The fall semester begins with discussion and writing about two novels assigned as summer reading, followed by an in-depth study of major authors (like Shakespeare) and a related research project. The course also includes a survey of critical approaches, works of short fiction and selected poetry, interactive class blogs, and short critical papers. During the spring semester, students explore mostly 20th and 21st century works, reading, thinking, and writing critically as they prepare and practice for the AP exam. This college-level course involves challenging material and assignments.

## **1310. Introduction to Journalism**

**Grades 8-10**

**Semester: 0.5 credit**

This course introduces students to the fundamental skills of journalism. Students gain a broader understanding of the writing process as it pertains to journalism. Topics to be addressed include media literacy, gathering/interviewing, newswriting, and editing and revision. The students also study the First Amendment, media law, and ethics. After an introduction to the elements of journalism, the course builds toward training the students to contribute to the school newsmagazine, The Trinity Voice. Students first add content in the form of posts to the school newspaper website, followed by creating an entire page from content to layout to graphics/photos for a print issue of the paper. This course serves to expose students to the rigors of the Journalism/Newspaper course, which produces the student-led publication, The Trinity Voice.

## **1320. Journalism**

**Grades 9-12**

**Year: 1.0 credit**

**Prerequisites: Introduction to Journalism (exceptions may be made for students in rising grades 11-12); A or B in all previous English classes; and demonstrated ability to work independently. All students must submit an application, and the approval of the newspaper adviser is required.**

Students learn the techniques and obligations of journalism. With emphasis on principles of journalism, ethics, standards, and styles, students learn how to plan assignments, meet deadlines, and accept and/or give editing advice. Members of the class publish the school newsmagazine, The Trinity Voice, and as a result also get experience in student leadership and management.

## **1410. Yearbook**

**Grades 9-12**

**Year: 1.0 credit**

**Prerequisite: students must submit an application in the spring of their 8th grade year and be approved by the yearbook adviser.**

The yearbook staff plans, produces, and distributes a well-designed and accurate yearbook to the Trinity Prep community. Students learn skills that are in high demand in the workplace: writing, analysis, organization, communication, photography, desktop publishing, computer graphics, and leadership.

## **1510. Young Adult Literature**

**Grades 8-12**

**Semester: 0.5 credit**

Students will have an opportunity to read and critique young adult literature. They will be required to read one title as a class and then choose from a variety of genres in the spectrum of young adult literature to read, using blogs, Twitter, and YouTube to explore and expound on the books. Additionally, students will have the chance to interact with authors online and in person through the Visiting Writer Series. Students may take this course more than once.

# FINE ARTS DEPARTMENT

"In the beginning God created the heavens and the earth...and on the sixth day he made man after his own image."  
Genesis

"To be creative is to be human."

The fine arts department approaches each student with the belief that everyone has a fundamental and insatiable urge to create. In order to guide the student to a full expression of that urge, we offer opportunities for exploration of the arts disciplines and their potential to communicate the truth of the human spirit. Through ongoing study and application of their craft, students can begin to develop their artistic skills as they seek to elevate their capacity for creative expression.

Due to the diversity of disciplines in the fine arts department, students should consult with the instructors of the course(s) they are considering. Many courses require the instructor's permission.

## ART COURSES

### **6100. Art/Theatre 6**

**Grade 6**

**Semester**

Students take art for nine weeks and theatre for nine weeks. In art class, students create artwork using a variety of different materials. Ceramics, printmaking, drawing and painting, and sculpture are introduced. In theatre class, students learn basic theatre terms and explore storytelling through pantomime, monologues, improvisation, theatre games, and scene work.

### **6111. Art 6**

**Grade 6**

**Semester**

Students create artwork using a variety of different materials. Ceramics, printmaking, drawing and painting, and sculpture are introduced.

### **6112. Art 7**

**Grade 7**

**Semester**

In this course, students explore with many tools and materials used in artistic expression. Within a cultural and historical framework, they sculpt, draw, paint, and work with clay.

### **6113. Art 8**

**Grade 8**

**Semester**

Students explore more advanced techniques and materials used in artistic expression. Within a cultural and historical framework, they sculpt, draw, paint, and work with clay.

### **6131. Middle School Printmaking**

**Grades 7-8**

**Semester**

This course explores the art of producing multiple images of a drawing or design, familiarizing students with the print as a series of original or identical images which are produced from a plate or block. Students use studio processes

such as monotype, relief, drypoint, and screen printing. They will be acquainted with the history of printmaking and view work by contemporary artists as they develop an experimental approach to thematic projects.

#### **6211. Ceramics**

**Grade 8**

**Semester**

Ceramics students learn traditional skills, including hand-building, wheel-throwing, surface decoration, glazing, and firing. Students work on individual and group projects while studying historical and contemporary examples of pottery from various cultures. Class size is limited to 10.

#### **6120. Visual Foundations**

**Grades 9-12**

**Semester: 0.5 Credit**

This course explores art history while discovering the methods and materials of drawing, painting, and three-dimensional art. Students become familiar with a variety of materials and techniques. Visual Foundations is a prerequisite for students who plan to continue to the advanced-level courses of Painting, Drawing, Sculpture, Pottery, 2-D Design, or Printmaking.

#### **6141. Drawing I**

**Grades 9-12**

**Semester: 0.5 Credit**

**Prerequisite: Visual Foundations**

This course teaches the basics of drawing and the art of seeing. It covers a variety of methods of drawing objects realistically, using different art techniques: pencil, pen and ink, charcoal, pastels, watercolor, and more. This course also gives an overview of major historical art movements.

#### **6142. Drawing II**

**Grades 10-12**

**Semester: 0.5 Credit**

**Prerequisite: Drawing I or permission of the instructor**

Intermediate to advanced-level drawing assignments in charcoal, pencil, ink, pastels, and mixed media are included, with a primary focus on the study of the human form. Emphasis is placed on learning and mastering facial features and portraiture. This course also gives an overview of the most influential 20th and 21st century artists.

#### **6151. Painting I**

**Grades 9-12**

**Semester: 0.5 Credit**

**Prerequisite: Visual Foundations**

Study of color is emphasized in this course through learning traditional and experimental acrylic and oil painting techniques. Subjects vary, from observational studies of still life objects and landscape to abstract compositions. This course also gives an overview of major historical art movements.

#### **6152. Painting II**

**Grades 10-12**

**Semester: 0.5 Credit**

**Prerequisite: Painting I or permission of the instructor**

Advanced-level painting is assigned, with primary focus on practicing oil painting techniques as well as studying and mastering facial features and portraiture. This course also gives an overview of the most influential 20th and 21st century artists.

**6161. 2-D Design I****Grades 9-12****Semester: 0.5 Credits****Prerequisite: Visual Foundation**

This course is an introduction to basic design elements and principles and their applications on two-dimensional surfaces. Traditional art media as well as modern technology, such as digital camera, scanner, copier, and digital image manipulation software, are used.

**6162. 2-D Design II****Grades 10-12****Semester: 0.5 Credit****Prerequisite: 2-D Design I**

This course focuses on solving advanced-level design problems and researching elements and principles of design in depth. Historical and contemporary trends of design are reviewed. Students use traditional art media as well as digital image manipulation software.

**6132. Printmaking****Grades 9-12****Semester: 0.5 Credit****Prerequisite: Visual Foundations**

This course explores the art of producing multiple images of a drawing or design, familiarizing students with the print as a series of original or identical images which are produced from a plate or block. Students use studio processes such as monotype, relief, drypoint, and screen printing. They will be acquainted with the history of printmaking and view work by contemporary artists as they develop an experimental approach to thematic projects.

**6133. Advanced Printmaking****Grades 10-12****Semester: 0.5 Credit****Prerequisite: Printmaking**

Students create monotypes, linoleum prints, multi-block prints, etchings, lithographs, and silkscreen. Exploration of mixed-media techniques is encouraged.

**6221. Sculpture I****Grades 9-12****Semester: 0.5 Credit****Prerequisite: Visual Foundations**

This course includes beginning to intermediate-level sculpture assignments, using wood, wire, clay, plaster, and stone mixtures.

**6222. Sculpture II****Grades 10-12****Semester: 0.5 Credit****Prerequisite: Sculpture I**

Advanced-level sculpture assignments, using a variety of materials with a strong focus on design and 3D printing, are included.

**6231. Pottery I****Semester: 0.5 Credit****Prerequisite: Grades 10-12 or completion of Visual Foundations**

This course teaches the fundamentals of hand-building, wheel-throwing, and glaze techniques.



**6232. Pottery II****Grades 10-12****Semester: 0.5 Credit****Prerequisite: Pottery I**

Advanced-level assignments in hand-building, wheel-throwing, and glaze techniques are included.

**6233. Advanced Pottery****Grades 10-12****Semester: 0.5 Credit****Prerequisites: Pottery I and II**

This course is designed for students who have experience on the potter's wheel. Students expand wheel-throwing and hand-building skills by working in series and sets, refining finishing skills and exploring firing techniques.

**6163. Honors Portfolio Development 2-D****Grades 10-12****Semester: 0.5 Credit****6241. Honors Portfolio Development 3-D****Grades 10-12****Semester: 0.5 Credit****Prerequisites: Four semesters of art classes, which can include one semester of photography, and permission of the instructor**

These courses are designed for the serious art student who wishes to create a portfolio for college or to develop one section of the AP Studio Art portfolio without submitting it to the College Board for grading. In this course, offered at the same time as AP Studio Art 2-D and 3-D, students create works that demonstrate broad experience and accomplishment or works organized around a compelling visual concept. This course can be taken more than once.

**6164. AP Studio Art 2-D****Grades 11-12****Year: 1.0 Credits****6242. AP Studio Art 3-D****Grades 11-12****Year: 1.0 Credits****Prerequisites: Four semesters of art classes, which can include one semester of photography, and permission of the instructor. One semester of drawing is recommended.**

These courses require advanced skills and a strong work ethic. Assignments include a combination of specific design assignments and self-directed projects. Submission of a portfolio of thirty or more works of art is required for completion of an AP portfolio. For a detailed description of the course, students should speak with the instructor.

## CREATIVE WRITING COURSES

### **6911. Creative Writing**

**Grades 9-12**

**Semester: 0.5 Credit**

Introduction to Creative Writing focuses on helping student writers explore a variety of creative writing styles and prompts to widen their reading horizons and help them discover their favorite genres to write creatively. The basic elements of each genre, the approach to the craft of writing, and the art of revision are central to the course. The class is tailored to the interests of the individuals in it and is a malleable creative space where students can ask, discuss, observe, and experiment. Students work on prompts, read a variety of types of literature, and learn the basics of a creative writing workshop model, which allows students the opportunity to hear their work discussed critically and puts them in charge of making revisions. This course sets the stage for students interested in taking the advanced course, where they can devote more concentrated attention to a specific genre.

### **6913. Honors Advanced Creative Writing**

**Grades 9-12**

**Semester: 0.5 Credit**

**Prerequisite:** Students must submit an application in the spring before they would like to take the class. The application can be obtained from the instructor.

Advanced Creative Writing is for students with demonstrated interest and practice in creative writing. The focus of the class is in-depth writing and revision, workshop tactics, preparing work for competition and publication, and learning about the editing and publication process for literary writing. Those who take the class will be offered the opportunity to specialize in a genre of interest if they choose. Students in the course will undertake a variety of creative writing projects as individuals and as a team. Creative Writing is not a required prerequisite, but is recommended for those new to creative writing. Students who take the class multiple times are given additional challenges and leadership opportunities that enhance their experience in the discipline.

## FORENSICS COURSES

### **6810. Middle School Forensics: Speech and Debate**

**Grade 8**

**Semester**

This introductory course teaches the basics of public speaking with a focus on the expressive performance of literature, basic debate rhetoric and argumentation, and effective public address. Students learn skills to help manage nervousness, create compelling speeches, and present ideas with passion to an audience. They explore literature and speeches by established authors as well as writing their own scenes, speeches, and debate cases. Students learn a variety of debate styles, self-assessment, and effective peer critique through creative assignments and in-class presentations. The skills learned in this class can help build confidence speaking in front of a group and can be applied to interviews and in-class oral presentations. Additionally, Middle School Forensics provides an excellent knowledge base for students interested in the competitive forensics program in the upper school.

### **6811. Oral Interpretation of Literature**

**Grades 9-12**

**Fall Semester - 0.5 Credit**

This course introduces the skills of literary analysis for the purpose of oral interpretive performance. The course will balance written analytical skills with vocal development and practical performance techniques. Students will explore analysis and performance aspects of prose, poetry, dramatic literature, and print/broadcast media. The close study of literature for performative reasons will be utilized to encourage and motivate students to enjoy and be satisfied by performance. The skills acquired in this class will provide a strong foundation for critical argument of literature as well as enhancing presentation skills.

**6812. Public Discourse and Engagement****Grades 9-12****Spring Semester - 0.5 Credit**

This course introduces communication principles which emphasize the skills of public speaking, debate, discourse, and civic engagement for the purpose of preparing students for the challenges ahead. This course will specifically teach cross applicable skills in communication, from elevator pitches to civic engagement on issues that matter to students.

**6823. Honors Forensics III****Grades 10-12****Year: 1.0 Credit****Prerequisite: Forensics I or II**

Students learn the techniques necessary to win at the national level in forensics competition. They may choose areas of expertise to explore in depth; independent study is encouraged. Competition at the local, regional, and national levels is required.

**6824. Honors Forensics IV****Grades 11-12****Year: 1.0 Credit****Prerequisite: Forensics III**

A continuation of the independent study program, this course requires students to participate in national-level competition and to enter multiple events.

**6825. Honors Forensics V****Grade 12****Year: 1.0 Credit****Prerequisite: Honors Forensics IV**

A continuation of the independent study program, this course requires students to participate in national-level and multiple-event competition.

## MUSIC COURSES

**6920. Middle School Piano Lab 1/2****Grades 7-8****Semester**

This course is open to students who have little or no experience playing the piano. If they have taken piano in the past and would like to start at an advanced level, an audition is required for appropriate placement. Each student is placed on an appropriate track for their current skill and theory level. The emphasis of this class is to develop solid fundamentals in solo and ensemble piano performance technique and reading music notation. Students explore the literature for piano solo and duet while advancing their fundamental understanding of technique, sight-reading, performance skill, and music theory through a planned sequence of materials and repertoire. It is not required that students have a piano/keyboard at home, though it is helpful for practice as needed.

**6921. Upper School Piano Lab 1/2****Grades 9-12****Semester: 0.5 Credit**

This course is open to students who have little or no experience playing the piano. If they have taken piano in the past and would like to start at an advanced level, an audition is required for appropriate placement. Each student is placed on an appropriate track for their current skill and theory level. The emphasis of this class is to develop solid fundamentals in solo and ensemble piano performance technique and reading music notation. Students explore the

literature for piano solo and duet while advancing their fundamental understanding of technique, sight-reading, performance skill, and music theory through a planned sequence of materials and repertoire. It is not required that students have a piano/keyboard at home, though it is helpful for practice as needed.

### **6505. Introduction to Orchestra**

**Grade 6**

**Semester**

This semester course aligns with the first semester of the full-year Beginning Orchestra course. Introduction to Orchestra is designed for middle school students who have little or no experience playing a string instrument. Students learn the fundamentals of violin, viola, cello, or bass as well as basic note-reading and musicianship. In addition, students enrolled in Introduction to Orchestra may learn the fundamentals of playing classical guitar along with their study of a classical string instrument. Students who wish to continue playing a string instrument will continue in Beginning Orchestra for the second semester or take Beginning Orchestra the following year.

### **6510. Beginning Orchestra**

**All Grades**

**Year: 1.0 Credit**

This is a course for students who have little or no experience in playing a string instrument. Students learn the fundamentals of violin, viola, cello, or bass as well as basic note-reading and musicianship. In addition, students enrolled in Beginning Orchestra may learn the fundamentals of playing classical guitar along with their study of a classical string instrument.

### **6520. Intermediate Orchestra**

**All Grades**

**Year: 1.0 Credit**

**Prerequisite: Teacher permission upon audition**

Students who have some basic knowledge of a string instrument and have successfully auditioned can take this course. Students explore the literature written for string orchestra while advancing their fundamental techniques on their instruments. The intermediate orchestra players have opportunities to perform as mentors with a beginning group, as well as performing with the advanced orchestra class.

### **6530. Blue and Gold Orchestra**

**All Grades**

**Year: 1.0 Credit**

**Prerequisite: Teacher permission upon audition**

Blue and Gold Orchestra is for the intermediate to advanced string player. Students will continue to explore the literature written for string orchestra while perfecting their technique on individual instruments. The intermediate to advanced string players will get opportunities to perform as mentors alongside a beginning group and work with the advanced students to help promote their development.

### **6541. Honors Advanced Orchestra**

**All Grades**

**Year: 1.0 Credit**

**Prerequisite: Teacher permission upon audition**

Students must successfully audition and demonstrate a developing knowledge of shifting, vibrato, and bow strokes. Students continue to explore the literature written for string orchestra while developing their individual skills. The advanced orchestra players have opportunities to perform as mentors with a beginning group as well as performing with the chamber orchestra. Students explore chamber ensembles and are encouraged in solo playing.

### **6551. Honors Trinity Chamber Orchestra**

**All Grades**

**Year: 1.0 Credit**

**Prerequisite: Teacher permission upon audition**

This course is for the most advanced orchestra players. Students are placed in this highly selective course by audition and must demonstrate a variety of advanced bow strokes and tone colors as well as a full working knowledge of upper positions. Scales and a solo piece are required for placement. Students explore a variety of literature written for this kind of ensemble as well as for smaller chamber ensembles. This group is often featured in the school and community. These students are encouraged to mentor the beginning and intermediate groups.

### **6405. Introduction to Winds**

**Grade 6**

**Semester**

This semester course aligns with the first semester of the full-year Beginning Winds course. Introduction to Winds is designed for students who have little or no experience playing a wind instrument. Students will learn the fundamentals of playing flute, clarinet, trumpet, or trombone while learning basic note-reading and musicianship. Students who wish to continue playing a wind instrument will continue in Beginning Winds for the second semester or take Beginning Winds the following year.

### **6410. Beginning Winds**

**All Grades**

**Year: 1.0 Credit**

This ensemble is open to students who have little or no prior experience playing a wind instrument. With the aid of the instructor, students choose an instrument during the first two weeks of instruction. The emphasis of this class is to develop solid fundamentals; i.e., posture, embouchure, hand positions, breathing, and listening skills. Concepts of rhythm, music theory, sight-reading, and ear training are discussed and demonstrated on a daily basis. A planned sequence of appropriate pedagogical material and repertoire is explored through daily rehearsal and performance.

### **6420. Blue and Gold Band**

**All Grades**

**Year: 1.0 Credit**

**Prerequisite: Teacher permission upon audition**

This ensemble is designed for intermediate percussionists and winds who have experience on their instrument. Percussionists in this ensemble will be receiving instruction in a fully orchestrated band setting that will prepare them for more advanced ensembles in the future. Fundamental concepts of rhythm, music theory, sight-reading, and ear training are discussed and demonstrated on a daily basis. Concepts of ensemble balance and blend are introduced. This ensemble performs several times throughout the year.

### **6431. Honors Trinity Wind Ensemble**

**All Grades**

**Year: 1.0 Credit**

**Prerequisite: Teacher permission upon auditions**

This ensemble is designed for the musician (both wind and percussion) who has demonstrated a solid command of the fundamentals on their instrument. Percussionists in this ensemble will receive a blend of focused percussion studies as well as percussion experience in a full concert band ensemble. Fundamental concepts of rhythm, music theory, sight-reading, and ear training continue to be discussed and developed on a daily basis. Private lessons are strongly encouraged, and opportunities for solo and chamber performance are provided outside the class.

### **6441. Honors Jazz Band**

**All Grades**

**Year: 0.5 Credit**

**Prerequisite: Teacher permission upon auditions**

This ensemble is designed for middle and upper school students who want to examine the distinct styles of jazz. Fundamental concepts of rhythm, music theory, sight-reading, and ear training will be discussed and developed.

Students will be exposed to swing, be-bop, blues, and jazz rock forms as well as principles leading to good improvisational skills. This class meets before school and is a full year commitment.

#### **6400. Introduction to Percussion**

**Grade 6**

**Prerequisites:** Piano skills and permission of the instructor

This semester course aligns with the first semester of the full-year of Beginning Percussion. This ensemble is designed for the student who wants to explore percussion instruments. Concepts of rhythm, music theory, sight-reading, and ear training are discussed and developed on a daily basis. Private lessons are strongly encouraged, and opportunities for solo and chamber performance are provided outside class time.

#### **6430. Beginning Percussion**

**All Grades**

**Prerequisites:** Piano skills and permission of the instructor

**Year: 1.0 Credit**

This ensemble is open to students who have little or no prior experience playing a percussion instrument. With the aid of the instructor, students choose an instrument during the first two weeks of instruction. The emphasis of this class is to develop solid fundamentals; i.e., posture, hand positions, breathing, and listening skills. Concepts of rhythm, music theory, sight-reading, and ear training are discussed and demonstrated on a daily basis. A planned sequence of appropriate pedagogical material and repertoire is explored through daily rehearsal and performance.

#### **6461. Honors Advanced Percussion**

**Prerequisites:** Piano skills and permission of the instructor

This ensemble is designed for the percussionist who has demonstrated a solid command of the fundamentals. Concepts of rhythm, music theory, sight-reading, and ear training are discussed and developed on a daily basis. Private lessons are strongly encouraged, and opportunities for solo and chamber performance are provided outside class time.

#### **6932. AP Music Theory**

**Year: 1.0 Credit**

**Prerequisite:** Score of 70% on the qualifying exam or Trinity Prep music teacher recommendation

This course is designed for the serious musician who intends to pursue music at the college level. Skills learned include realizing figured bass, harmonizing melodies, sight-singing, and four-part chorale writing. For a detailed description of the course, students should speak with the instructor.

#### **6942. Advanced Music Theory and Composition II**

**Year: 1.0 Credit**

**Prerequisite:** Completion of AP Music Theory

This course is designed to develop young composers. Students continue writing music for a variety of instruments and voices and explore not only common-practice theory, but contemporary elements as well. Students are required to demonstrate a mastery of transposition, analysis, aural recognition of intervals, and harmonic progressions. This course is offered concurrently with AP Music Theory and provides instrumental and vocal resources for new compositions. Theoretical review and perimetric formal analysis are demonstrated in a sequential series of compositions and performances.

#### **6610. Introduction to Chorus**

**Grade 6**

**Semester**

This is a course for students who have little or no experience in choral performance. Students will learn the fundamentals of using the voice as an instrument in a choral setting while learning basic note-reading and musicianship. The basics of live performance skills will be practiced and refined. Students who wish to advance to the next level will take Select Chorus next year.

#### **6620. Select Chorus**

**Grades 6-8****Year; Semester option for Spring only****Prerequisite: Teacher permission upon audition**

This is a mixed-voice ensemble. The repertoire for this choir is eclectic and varied. Vocal and choral foundations, including music notation reading and solfege singing, are taught and practiced. It is possible to take this course for one semester, but year-long participation is strongly encouraged. Students have the option to audition to participate in Florida All-State Choirs, perform with community Honors Choirs as opportunities arise, and perform in all Trinity choral department productions on campus and in the community.

**6640.Upper School Vocal Ensemble****Grades 9-12****Year: 1.0 Credit; Semester option spring semester only**

This is a mixed-voice ensemble. The repertoire for this choir is eclectic, intermediate to advanced level, and varied. Vocal and choral foundations, including reading music notation, solfege singing, and improvisation, will be taught and practiced. It is possible to take this course for one semester, but year-long participation is strongly encouraged. Singers will have the opportunity to audition for participation in Florida All-State Choirs and to perform with community Honor Choirs, master classes, and charity events.

**6650. Vocal Society****Grades 9-12****Year: 1.0 Credit****Prerequisite: Teacher permission upon audition**

This is an advanced performance ensemble. It includes an “a cappella” component, in which vocal percussion is performed at a competitive level. Singers will have the opportunity to audition for participation in Florida All-State Choirs and to perform with community Honor Choirs, master classes, and charity events. This group will participate in competitions, in addition to performing leadership roles in all choral productions on campus.

## **PHOTOGRAPHY COURSES**

**6311. Photography I****Grades 10-12****Semester: 0.5 Credit**

Students become proficient in capturing, uploading, manipulating, and printing color as well as black-and-white digital photographs. Emphasis is placed on the rigid rules of an exacting craft as well as on the imaginative freedom inherent in an expressive creative visual medium. Students learn the intricacies of digital camera capture, computer processing in Adobe Lightroom, working in the digital darkroom, and output to a printer. Subjects covered include camera care and operation, principles of composition, proper exposure and capture size, cropping, and image evaluation. In addition, students explore the history of photography and are exposed to a variety of assignments to improve their skills with the camera and on the computer. A D-SLR or Mirrorless camera is strongly recommended.

**6312. Photography II****Grades 10-12****Semester: 0.5 Credit****Prerequisite: Photography I**

Students build on the skills they learned in Photography I, working on camera techniques of enhanced interpretation, lighting evaluation, advanced computer skills for manipulation in Adobe Photoshop, and various output techniques. In addition, students are exposed to studio lighting, developing their skills in lighting techniques including portraiture, fashion, still life, and product photography. This course focuses students' concentration on seeing photographically, making a good photograph better, and utilizing solid techniques for creating outstanding images. A D-SLR or Mirrorless camera is strongly recommended.

### **6313. Honors Photography Portfolio Development**

**Grades 11-12**

**Semester: 0.5 Credit**

**Prerequisites: Photography I and II**

This course is intended for students who are seriously interested in improving their photography skills and gaining professional experience. Students who take this course will be challenged creatively to explore their own style and to develop a strong body of work. Students will be required to create a basic Web portfolio, such as a website, a professional Instagram portfolio page, or a blog/vlog page. At the end of the semester, students will exhibit their work in a local gallery as part of their portfolio exposition.

### **6314. AP Studio Art 2D: Photography**

**Grade 12**

**Year: 1.0 Credit**

**Prerequisites: Photography I and II and permission of the instructor**

This course is for students who are serious about exploring photography on a higher level, based on a Breadth portfolio. This course requires students to be motivated and organized, performing tasks with a strong work ethic. The work for this course includes a combination of creative assignments, self-directed projects, weekly photographic presentations, and group critiques. Students who take this course will be required to produce and submit a Breadth portfolio of thirty or more high-resolution photographic images that are College Board- acceptable. Students will be required to have a solo exhibition at the end of the course.

## **THEATRE COURSES**

### **6711. Theatre 7**

**Grade 7**

**Semester**

Students learn and develop the skills they need to perform in front of an audience. Theatre vocabulary is expanded, good voice and diction work established, and awareness and appreciation of the collaborative nature that exists in the theatre developed. Students rehearse and perform monologues and scenes. Students are required to attend and report on live theatre performances.

### **6712. Theatre 8**

**Grade 8**

**Semester**

This course serves to equip students with the knowledge, skills, and familiarity with theatrical production and performance to carry them into high school. Students review stage areas, stage terms, and blocking techniques. An overview of theatre history is covered. Students learn basic performance skills, including diction, breath control, balance and body control, beginning audition skills, character development, and student scene work. Students end the semester by reading and producing scene work from plays by Neil Simon and Shakespeare.

### **6720. Introduction to Musical Theatre**

**Grade 6**

**Semester**

This class will consist of two sections of introductory-level performance, one of choral music and one of musical-theatre dance. The students' work will be combined and will be part of a showcase during the semester.

### **6731. Middle School Dance**

**Grades 7-8**

**Semester**



This course is open to students with little or no dance training. Students explore the various dance styles: ballet, modern, jazz, and musical theatre. Students develop a dance vocabulary, build an understanding of different dance techniques, and improve coordination, flexibility, and self-confidence.

#### **6732. Beginning/Intermediate Dance**

**Grades 9-12**

**Semester: 0.5 Credit**

This course is open to students with little or no dance training. Students explore the various dance styles: ballet, modern, jazz, and musical theatre. Students develop a dance vocabulary, build an understanding of different dance techniques, and improve coordination, flexibility, and self-confidence.

#### **6741. Acting I**

**Grades 9-12**

**Fall Semester only: 0.5 Credit**

Students explore the intellectual, emotional, physical, and psychological demands of performance. They explore the history of modern acting methods and master the fundamentals of physical performance, including breath control, vocal technique, diction, connecting with fellow actors, balance, and body awareness and control. Students learn the steps to building and creating a character and utilize them through scene study.

#### **6742. Acting II**

**Grades 11-12**

**Spring Semester only: 0.5 Credit**

**Prerequisites: Acting I**

**Course intended for grade 11 or 12 or with permission of the instructor.**

Acting II students spend time in scene study, script analysis, and character development.

#### **6744. Advanced Acting and Audition Prep**

**Grades 11-12**

**Fall Semester only: 0.5 Credit**

**Prerequisite: Acting I and II or permission of instructor**

Dramatic and comedic monologues and, for those interested in musical theatre, song selections are chosen, studied, and polished for the individual student. Pieces for the thespian festival are generated, as well as material for college auditions. Opportunities for student leadership positions can be available in directing a scene or choreographing a musical number.

#### **6743. Musical Theatre Performance**

**Grades 9-12**

**Spring Semester only: 0.5 Credit**

**Prerequisites: Acting I and permission of the instructor**

This course is performance based, with an emphasis on putting together a show to be performed at the end of the semester. This class gives each student an opportunity to develop a character, learn choreography and songs, and perform in front of an audience. Personal performance goals must be set at the beginning of the semester and revisited at the end of the semester.

#### **6750. Stagecraft**

**Grades 9-12**

**Semester: 0.5 Credit**

In this class, students are exposed to the fundamentals of technical theatre. Students learn set construction, tool use and safety, and set-painting techniques. Ideas are generated and executed for the set design of the semester productions.

**7140. Film Production****Grades 10-12****Semester: 0.5 Credit**

This is an introductory course to film that provides a broad overview of the history, aesthetics, and technical aspects of the medium. This course is designed for students interested in film production or acting. The technical track emphasizes teamwork and the technical and creative skills needed to produce student films, some of which may be selected for the Trinity Film Festival. The performance track covers acting techniques rooted in theatre but applicable to film. Students practice auditioning for films and provide the talent for the films produced in class. All students work collaboratively on writing and creating the scripts and storyboards for the student films.

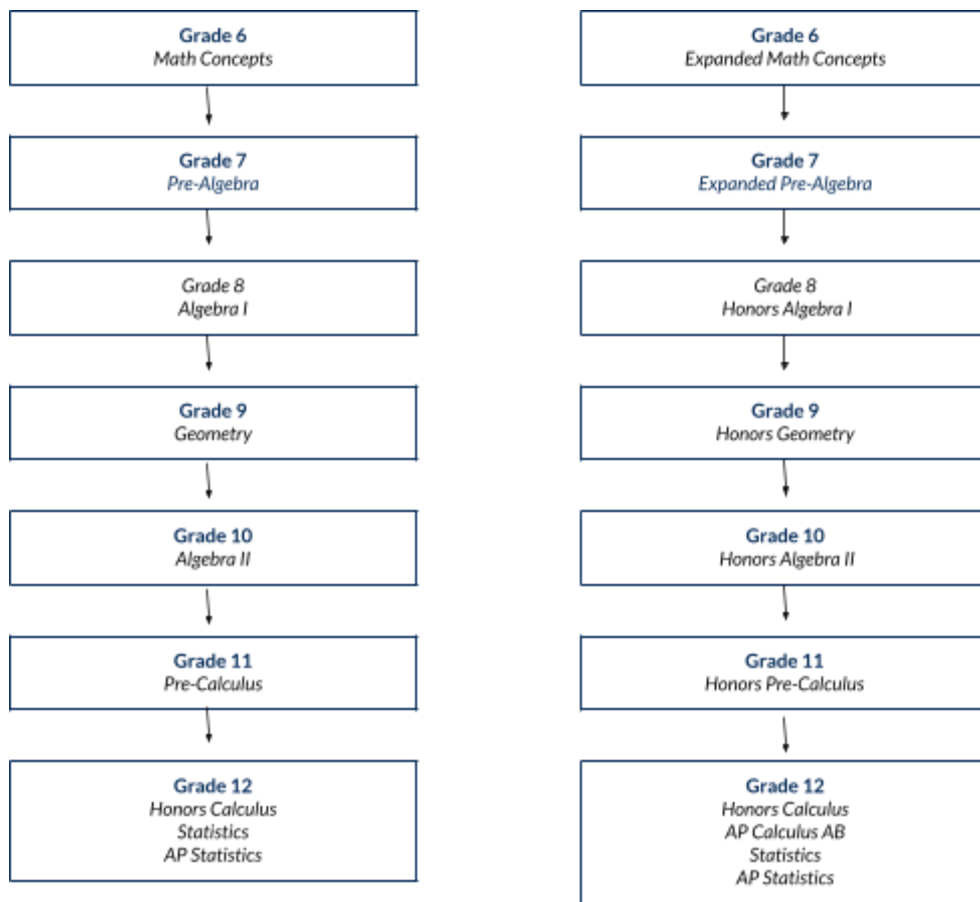
# MATHEMATICS DEPARTMENT

Trinity Prep's mathematics program aims to provide students whose abilities range from average to gifted with the quantitative, critical-thinking, and creative problem-solving skills necessary for success at college and in the real world. As a minimum, college-bound students should take all courses necessary to complete Pre-Calculus before graduation. The courses offered range from Math Concepts in grade 6 through AP Calculus BC, AP Statistics, Advanced Multivariable Calculus and Advanced Linear Algebra, and Advanced Data Science. Students who complete the Trinity Prep sequence before their senior year may take more advanced classes at local colleges or through the Malone School Online Network.

Sequencing begins with Math Concepts, and every effort is made to place students appropriately so they may experience success in their classes. The criteria used for placement include prior records, standardized test scores, and/or placement exams, as well as teacher recommendations. Honors courses are recommended for students who possess great strength in mathematics and who can work independently on challenging problems.

Our middle school curriculum is accelerated so that students in 8th grade take Algebra I or Honors Algebra I. Students must take three years of mathematics in the upper school to meet graduation requirements; four years of math in the upper school are recommended and sought by highly selective colleges. The two basic course sequences listed below provide guidelines for course selection. Crossovers are possible in appropriate or exceptional cases and may be made at the beginning of a school year or at other convenient times with departmental approval.

## TYPICAL MATH TRACKS



# MATH COURSES

## **4110.Math Concepts**

### **Grade 6**

Students entering Math Concepts enhance their foundation in mathematics, using the four operations.. These operations, using whole numbers, fractions, decimals, ratios, percents, and integers, are covered throughout the year. Fundamental concepts of number theory, equations, algebraic expressions, measurement, statistics and data analysis, and the geometry of plane figures are included. Students strengthen their computational skills while developing their ability to follow procedures and solve problems to provide a solid foundation for further study in mathematics.

## **4120. Expanded Math Concepts**

### **Grade 6**

**Prerequisite: A passing score on Trinity's Expanded Math Concepts placement exam**

This course is intended for students who have solid study habits, excellent computational skills, and genuine problem-solving ability. It includes all the topics covered in Math Concepts but progresses at a faster pace. Additional topics in elementary algebra, geometry, and statistics are covered as well.

## **4210. Pre-Algebra**

### **Grade 7**

Students learn the skills necessary for success in Algebra I. Topics include elementary algebraic equations, inequalities, and polynomials and graphing, as well as review and maintenance of basic math skills, including computation with whole numbers, decimals, integers and rational numbers, solving equations, ratio and proportion, and working with percents. Additionally, students are introduced to informal geometry, probability, statistics, and problem solving.

## **4211. Expanded Pre-Algebra**

**Prerequisites: A+ in Math Concepts, a B+ or higher in Expanded Math Concepts, or a passing score on Trinity's Expanded Pre-Algebra placement exam for new students**

Students learn the skills necessary for success in Honors Algebra I and are expected to excel in computational skills, to be particularly industrious, and, above all, to understand and use mathematical theory. Topics include the use and properties of number systems, ratio, proportions, equation and inequality solving in one variable, polynomials, exponents, graphing, linear functions, problem solving, informal geometry, and probability and statistics.

## **4219. Algebra IA**

## **4229. Algebra IB**

**Prerequisite: C+ or below in Pre-Algebra**

- Algebra IA and Algebra IB are to be taken in consecutive years in place of the Algebra I course. These two courses provide a firm foundation for more advanced mathematics courses and are intended for the student who benefits from an in-depth, slower-paced class environment to allow for full comprehension.
- Algebra IA provides a review of the skills taught in Pre-Algebra and focuses on linear algebra, including graphing first-degree equations/inequalities and systems of linear equations/inequalities. All these concepts are taught with a real-life approach and application.
- Algebra IB provides a review of the linear algebra concepts studied in Algebra IA and then continues with studies of polynomials, rational expressions, exponential functions, trigonometric ratios, and connections to geometry. All these concepts are taught with a real-life approach and application.

## **4230. Algebra I**

**Year: 1.0 Credit**

**Prerequisite: B-or higher in Pre-Algebra or a passing score on the Algebra I placement test for new students.**

This course provides the foundation for more advanced mathematics courses. Topics include sets, variables, structure and properties of the real number system, solving and graphing first-degree equations/inequalities,

systems of linear equations/inequalities, integral exponents, operations with polynomials, factoring, operations with rational algebraic expressions, relations and functions, quadratic equations, radical expressions, irrational numbers, and word problems.

#### **4231. Honors Algebra I**

**Year: 1.0 Credit**

**Prerequisites: A+ in Pre-Algebra or B+ in Expanded Pre-Algebra; or a passing score on the Honors Algebra I placement test for new students.**

This course provides a rigorous in-depth study of algebra, emphasizing deductive reasoning skills. It is a foundation for more advanced mathematics courses, allowing students to develop the skills needed to solve mathematical problems. Topics include, but are not limited to, operations and properties used in the real number system; algebraic and graphic solutions to first-degree equations and inequalities in one and two variables; relations and functions; direct and inverse variation; operations with polynomials, including all forms of factoring; rational and irrational algebraic expressions; quadratic equations; quadratic inequalities; integral and fractional exponents; radical expressions; irrational numbers; and word problems.

#### **4240. Algebra II**

**Year: 1.0 Credit**

**Prerequisites: Algebra I, or Algebra IA and Algebra IB, and Geometry**

This course continues the study of the structure of algebra and the foundation for applying the skills to other mathematical and scientific fields. Topics include extending the study of the structure and properties of the real number system, complex numbers, relations, functions and graphs, polynomial functions, quadratic equations and inequalities, real exponents, word problems, polynomials and rational expressions, and logarithms. Conic sections are introduced if time permits.

#### **4241. Honors Algebra II**

**Year: 1.0 Credit**

**Prerequisite: B+ in Honors Algebra I and Honors Geometry; a passing score on the Honors Algebra II placement test for new students; or A+ in Geometry and current mathematics teacher recommendation**

This advanced course presents an in-depth study with emphasis on theory and development of formulas, as well as their applications. Topics include, but are not limited to, algebraic structure, first-degree equations in one and two variables solved algebraically and graphically, systems of equations and inequalities, functions and relations, polynomials and rational expressions, exponents and radicals, logarithms, complex numbers, conic sections, sequences and series, permutations, combinations, and probability.

#### **4310. Geometry**

**Year: 1.0 Credit**

**Prerequisite: Algebra I or Algebra IA and IB**

Students learn about sets of points in the plane and space, gain understanding of the deductive method of thinking, develop creative thinking involving relationships and proofs, and develop skills in applying the deductive method to mathematical situations. Topics include the Euclidean geometry of lines, planes, angles, triangles, polygons, circles, area, volume, similarity, congruence, geometric inequalities, constructions, tessellations in the plane, and logic.

#### **4311. Honors Geometry**

**Year: 1.0 Credit**

**Prerequisite: B+ or above in Honors Algebra I, a 95 in Algebra I, or a passing score on the Honors Geometry placement test for new students**

Students begin the first semester with a rigorous in-depth study of geometry, emphasizing basic concepts and properties; methods of proof; angle relationships; triangles, quadrilaterals, and other polygons; perpendicularity and parallelism in the plane and in space; congruence of geometrical figures; and midsegment relationships in triangles, trapezoids, and quadrilaterals. Topics in the second semester include, but are not restricted to, transformation geometry, areas and volumes, circles and spheres, proportionality relationships in polygons, similarity of polygons, more advanced work on the Pythagorean Theorem, geometric probability, and an introduction to trigonometry.

Geometric constructions and relevant aspects of algebra will be integrated into the curriculum throughout the course.

#### **4410. Pre-Calculus**

**Year: 1.0 Credit**

**Prerequisite: B- or above in Geometry and Algebra II; B- or above in College Algebra**

This course is focused on an in-depth study of various classes of functions, including polynomial, rational, exponential, logarithmic, and trigonometric functions. In each case, the nature of graphs and their use as mathematical models for solving real-world quantitative problems are explored.

#### **4411. Honors Pre-Calculus**

**Year: 1.0 Credit**

**Prerequisite: B+ or above in Honors Geometry and Honors Algebra II; A+ in Algebra II with permission of the department chair**

This course is focused on preparation of prerequisite skills and subject matter required for success in future enrollment in Advanced Placement Calculus. Topics include polynomial, rational, exponential, logarithmic, and trigonometric functions, limits, conic sections, vectors, sequences and series, and an introduction to calculus.

#### **4250. College Algebra**

**Year: 1.0 Credit**

**Grades 11-12**

**Prerequisites: completion of Geometry and Algebra II or any higher-level course in the regular math track and permission of the department chair**

This course reviews basic algebra and progresses through more advanced topics, including polynomial and rational functions, systems of equations and inequalities, and probability theory. Some basic trigonometry may be covered as well.

#### **4511. Honors Calculus**

**Year: 1.0 Credit**

**Prerequisite: C or above in Honors Pre-Calculus or B or above in Pre-Calculus**

This course provides an introduction to topics covered in a college-level calculus class. These include a review of the properties of functions studied in Pre-Calculus, limits and continuity, the derivatives and antiderivatives/integrals of functions, and their applications to real-world problems encountered in business and the physical, biological, and human sciences.

#### **4522. AP Calculus AB**

**Year: 1.0 Credit**

**Prerequisite: B+ in Honors Pre-Calculus or A+ in Pre-Calculus and permission of the department chair**

AP Calculus AB is primarily concerned with developing the students' understanding of the concepts of calculus and providing experiences with its methods and applications. It is a course designed by The College Board and is intended to be challenging and demanding. The four major topics of this course are limits, differential calculus, integral calculus, and their applications.

#### **4532. AP Calculus BC**

**Year: 1.0 Credit**

**Prerequisite: A minimum score of 3 on the AP Calculus AB exam**

This course continues the study of calculus begun in AP Calculus AB and includes a review of all the topics of AP Calculus AB. The five major topics of this course are limits, differential calculus, integral calculus, polynomial approximations and series, and their applications. Parametric, polar, and vector functions will be studied in this course.

#### **4542. Advanced Multivariable Calculus**

**Year: 1.0 Credit**

**Prerequisite: AP Calculus BC**

This course explores the geometry of higher-dimensional Euclidean space. Topics to be covered include vectors, vector functions, partial derivatives, multiple integrals, line integrals, vector fields, Green's Theorem, and Stokes's Theorem. A robust unit on differential equations is included to allow students to review the topics of single-variable calculus. Additional topics will be included as time permits.

#### **4712. Advanced Linear Algebra**

**Year: 1.0 Credit**

**Prerequisites: 1) Completion of AP Calculus AB or higher mathematics course; OR 2) may be taken concurrently with AP Calculus BC, Advanced Multivariable Calculus or Advanced Data Science with permission of the department chair**

Advanced Linear Algebra introduces students to abstract mathematical concepts by way of matrix theory and vector spaces. This course focuses on systems of linear equations, matrices, vector spaces, inner product spaces, orthogonality, eigenvalues, and eigenvectors. Applications to chemistry, coding theory, cryptography, economics, genetics, geometry, graph theory, linear programming, and Markov chains are included. Additional applications and topics will be included as time permits.

#### **4610. Statistics**

**Grade 12 only**

**Year: 1.0 Credit**

**Prerequisite: completion of Geometry, Algebra II, College Algebra, and/or Pre-Calculus and permission of the department chair.**

Statistics is an introductory course in algebra-based statistics. Topics to be covered are data collection methods, graphical and numerical methods for describing data, describing bivariate data (linear regression), probability, discrete and continuous random variables and probability distributions (binomial, geometric and normal), sampling variability and sampling distributions (means and proportions), confidence intervals (one and two sample means and proportions), hypothesis testing (one and two sample means and proportions), analysis of categorical data (chi-square goodness of fit tests, homogeneity and independence) and inference (confidence intervals and hypothesis tests) about the slope of a line. Additional topics may be added as time permits.

#### **4612. AP Statistics**

**Grades 11-12**

**Year: 1.0 Credit**

**Prerequisite: minimum of B- in Honors Pre-Calculus or B in Pre-Calculus**

This course covers the AP Statistics syllabus, which is equivalent to a one-semester introductory non-calculus-based college course in statistics. Students are exposed to four broad conceptual themes: 1) exploring data (observing patterns and departures from patterns); 2) planning a study (deciding what and how to measure); 3) anticipating patterns (producing models using probability theory and simulation); and 4) statistical inference (confirming or disconfirming models through inferential and diagnostic methods).

#### **4713. Advance Data Science**

**Grades 11-12**

**Year: 1.0 Credit**

**Prerequisite: 1) Completion of AP Calculus AB or higher mathematics course; OR 2) may be taken concurrently with AP Calculus BC, Advanced Multivariable Calculus or Advanced Linear Algebra with permission of the department chair**

Advanced Data Science is both a mathematics course and a computer science course. The fundamentals of data science will be taught, using the programming language R. Students will be expected to have strong analytical skills and problem-solving abilities but will not need previous programming experience for this course. Topics will include data exploration and visualization, data wrangling, programming, statistical modeling, and probabilistic simulations. Additional topics will be covered if time permits.

# PHYSICAL EDUCATION DEPARTMENT

Trinity Prep's physical education program is based on the standards developed by the National Association of Sports and Physical Education (NASPE) and Sunshine State Standards (SSS). One semester of P. E. is required in the 6th and 7th grades but a second semester of P.E. can be an option. Students in grade 8 participate daily in P.E. for one semester and take Health and Wellness the other semester. Students are assessed in the following areas: effort and preparedness, skill development, written assignments and projects, and content knowledge of units. The curriculum includes the following units of activity, but is not limited to, team sports, individual and dual sports, recreational and camp games, swimming, and yoga.

## PHYSICAL EDUCATION COURSES

**9906/9916. PE6G and 6B (Grade 6-yearlong)**

**9907/9917. PE7G and 7B (Grade 7-semester)**

**9908/9918. PE8G and 8B (Grade 8-semester)**

**9909/9919. Personal Fitness**

**Grades 9-12**

**Semester: 0.5 Credit**

Students in 9th grade are encouraged to complete this course in the fall or spring semester. They may complete the course during the summer session prior to their 9th grade year, but space is limited. This course is designed to increase the students' personal fitness level through daily exercise and training, giving them the knowledge and desire to establish personal health and fitness programs, helping them realize that daily physical activity will increase their energy level and productivity, and providing lifetime fitness activities. The goal is to provide participants an overall health and wellness awareness that will lead to behavior change. This course satisfies the graduation requirement.

**9928/9938. Health and Wellness 8G and 8B (Grade 8)**

**9929/9939. Upper School Health and Wellness (Grades 9-12)**

**Semester: 0.5 Credit**

Students learn the skills they need to become health literate, maintain and improve health, prevent disease, and reduce health-related risk behaviors. The curriculum includes units on mental, emotional, social, and family health; growth and development; nutrition; personal health; alcohol, tobacco, and drugs; communicable and chronic diseases; consumer and community health; and injury prevention and safety. Upper school students who have not yet received credit for this course can take it during the fall or spring semester. This course satisfies the graduation requirement.

**9942. PE Elective: Lifetime Fitness**

**Grade 7**

**Semester**

This course is for anyone that desires to participate in regular physical activity. Students will take part in daily fitness activities such as jogging, group fitness classes, introduction to weight training, circuit training, flexibility sessions, and various lifetime sports. This class will instill the behavior of lifelong fitness and wellness.

**9945. PE Elective: Sports and Games**

**Grades 7**

**Semester**

This course is for students in 7th grade who are interested in having a Physical Education class for the entire school year. This class will include but not limited to individual, dual, team sports, and recreational games.

**9948. Yoga & Stress Management**



**Grades 7****Semester**

The goal of this semester-long co-ed course is to have students engage in stress-management activities such as yoga, progressive muscle relaxation, and time management. Students will gain lifelong benefits from practicing skills to help manage stress.

**9951. Conditioning I****Grades 9-12****Fall Semester: 0.5 Credit****Prerequisite: Personal Fitness**

This course is for students who are either staying in shape in season or interested in getting in shape for their upcoming season. The purpose of the course is to introduce students to the basic fundamental principles of weight training and conditioning. Areas covered include, but are not limited to, identifying muscles of the body, stretching and flexibility, improving cardiovascular fitness, proper use of the equipment, and safety precautions while weight training.

**9952. Conditioning II****Grades 9-12****Spring Semester: 0.5 Credit****Prerequisite: Personal Fitness**

The purpose of the course is to expand students' background on the basic fundamental principles of weight training and conditioning; explore the areas of proper nutrition and effects of supplements and drugs; and create an individual fitness program.

**9944. Upper School Yoga and Stress Management****Grades 9-12****Semester: 0.5 Credit****Prerequisite: Personal Fitness; A minimum of 10 students required to run the class**

Students will practice skills associated with various types of yoga, meditation, progressive muscle relaxation, visualization, and mental imagery. Students will learn and gain the benefits of mindfulness as it relates to coping skills and stress management. Students will learn to identify stressors and develop strategies to manage them.

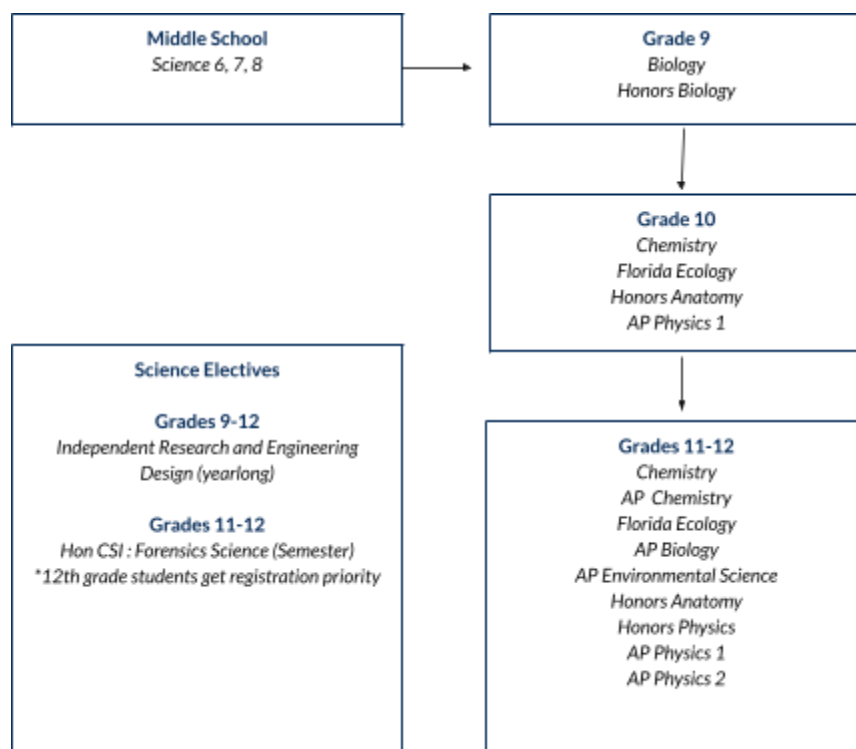
# SCIENCE DEPARTMENT

To be informed citizens today, students must understand the language, dispositions, and methods of science. The science department strives to develop scientific literacy by giving students a thorough understanding of scientific principles and the characteristics, attitudes, and techniques of a scientist from grade 6 through grade 12 in a linear sequence. The courses offered develop a student's inquiring mind, accurate and critical observation, alertness to recognizing the unexpected, willingness to reject old ideas and to accept new ones when sufficient data warrant, resistance to the tendency to make generalizations on the basis of insufficient data, and scientific writing. Laboratory work is central to every course; it is this experimentation which distinguishes science from other disciplines.

At a minimum, college-bound students should take biology, chemistry, and physics before graduation, preferably in that sequence. In the upper school, students with a strong science background may want to take two science courses in the same academic year. This is a

viable option for students who have consistently maintained the highest level of academic success, who meet all the additional prerequisites for the course, and who receive a recommendation from the current science teacher. Rising 9th graders may be eligible for dual science enrollment if they have maintained a 4.0 GPA in middle school. Students must consult their current science teacher for assistance in making compatible double-up course choices. Student placement in more than one science course per year is dependent upon availability of space in the class.

Students who do not meet the grade prerequisite for a course may initiate an appeals process, which includes a recommendation from previous science teachers, a department chair meeting with the director of curriculum to evaluate students' overall academic performance, and a final decision made by the department chair and the director of curriculum.



## SCIENCE COURSES

### 5110. Science 6: Earth Space Science Grade 6

This course explores basic principles of Earth and Space science, including an exploration of the solar system and its place in the universe, water and climate, impacts on the environment, and geology. A "hands-on" approach develops the students' powers of observation and critical-thinking skills. Students learn the proper use of basic laboratory equipment and procedures. Special emphasis is placed on the scientific method, collection and analysis of data, and communication of scientific ideas.

### 5120. Science 7: Life Science Grade 7

This course is an introduction to major themes in life science and provides a foundation for upper school coursework in biology. Specifically, students will learn about interactions within ecosystems, the structure and function of organisms, reproduction of organisms, and their change over time. A "hands-on" approach continues to develop the students' powers of observation and critical-thinking skills. Students learn the proper use of additional laboratory equipment and procedures. Special emphasis is placed on the scientific method, experimental design, and the collection and analysis of data.

### **5130. Science 8: Physical Science**

#### **Grade 8**

In this course, students will learn the basic principles of physical science through research and laboratory investigations. Critical thinking, analysis, and process skills of scientific inquiry will be used to solve problems. Students will be introduced to concepts in the different areas of physical science, including, but not limited to, motion, force, energy, simple machines, the atom, the periodic table of elements, chemical compounds, and chemical reactions. Special emphasis will be placed on the proper use of laboratory equipment and procedures so that students are prepared for high school science.

### **5210. Biology**

#### **Grade 9**

**Year: 1.0 credit**

This course explores major themes of biology through rigorous laboratory investigations, problem-based research, conceptual understanding, and writing. Systems and design thinking are developed. Assessment rigor is shifted to focus on lab write-ups, projects, and presentations. Students are provided with academic support to develop skills necessary for success in advanced science coursework. Students discuss contemporary topics as well as the social issues related to biology. Laboratory skills are continually reinforced, with particular emphasis on experimental design and analysis. A grade of B+ or higher in Biology serves as a prerequisite for many upper school science courses.

### **5211. Honors Biology**

#### **Grade 9**

**Year: 1.0 credit**

**Prerequisite: Strong reading skills recommended.**

This course emphasizes the ten major themes of biology: biological systems, cell theory, form and function, inheritance by reproduction, environmental interaction, energy, regulation, evolution and adaptation, bioethics, and science as inquiry. Students discuss contemporary topics as well as the social issues related to biology. Laboratory skills are continually reinforced, with particular emphasis on data accumulation and analysis. A grade of B+ or higher in Honors Biology serves as a prerequisite for many upper school science courses.

### **5222. AP Biology**

#### **Grades 10 -12**

**Year: 1.0 credit**

**Prerequisites: B+ in Biology or Honors Biology, B+ in Honors Chemistry, successful completion of Algebra II, and recommendation from current science instructor or department chair**

AP Biology is the equivalent of a college introductory biology course taken by biology majors during their first year. Students cultivate their understanding of biological science as they explore the following topics: evolution, cellular processes (energy, homeostasis, and communication), genetics, information transfer, ecology, and interactions. The course focuses on enduring conceptual understandings and the content that supports them. Students develop essential reasoning skills with an emphasis on inquiry-based laboratory investigation.

### **5311. Honors Chemistry**

#### **Grades 10-12**

**Year: 1.0 credit**

**Prerequisites: Biology or Honors Biology, successful completion of Algebra I**

Students learn the basic principles of chemistry, including a logical problem-solving approach as applied to chemical theories. Some concepts examined include states of matter, atomic theory and structure, stoichiometry,

thermodynamics, and qualitative analysis. Laboratory experimentation reinforces the theoretical modes studied in the classroom.

### **5322. AP Chemistry**

**Grades 10-12**

**Year: 1.0 credit**

**Prerequisites: B+ in Honors Chemistry, B+ in Algebra II and a recommendation from previous chemistry instructor**

AP Chemistry is the equivalent of a college-level course comprising two semesters of chemistry for chemistry majors, plus the corresponding lab component. Content includes, but is not limited to, the structure of matter, states of matter, chemical reactions, descriptive chemistry, kinetics, equilibrium, thermodynamics, and electrochemistry. Students develop essential reasoning skills with an emphasis on inquiry-based laboratory investigation and will learn how to provide evidence for specific phenomena through mathematics.

### **5510. Florida Ecology**

**Grades 10-12**

**Year: 1.0 credit**

**Prerequisite: Biology or Honors Biology**

The goal of this course is to introduce students to ecological concepts through the study of natural ecosystems and native species of Florida. By the end of the course, students should be conversant in major ecological ideas and able to identify the major ecosystems of Florida and many of the native plant and animal species. Additionally, students learn how to collect, manage, and analyze ecological data.

### **5611. Honors Anatomy and Physiology**

**Grades 10-12**

**Year: 1.0 credit**

**Prerequisites: B+ in Biology or Honors Biology and recommendation of biology instructor**

**Course is not available as an online course**

This advanced course is designed for the self-motivated student who has a strong interest in the biological sciences. A college-level textbook is used. The course includes an in-depth study of the structure and function of the human body. All systems and their interdependence are discussed. Laboratory activities supplement the lecture material, including microscope work and use of working models. A portion of the course is devoted to dissections, including individual organs such as the brain and heart. Students are also responsible for a research project during the year.

### **5522. AP Environmental Science**

**Grades 10-12; Grade 10 requires completion of or co-enrollment with Honors Chemistry**

**Year: 1.0 credit**

**Prerequisites: Biology or Honors Biology, Honors Chemistry or Honors Physics, and Algebra II**

AP Environmental Science introduces the scientific principles necessary to understand human relationships in the natural world. The course has a broad scope covering biology, chemistry, physics, earth science and the social sciences, including economics and politics. Although the course crosses many disciplines, there are four Big Ideas that overarch all of the course material: energy transfer, interactions between earth's systems, interactions between different species and the environment, and sustainability. 25% of the class will consist of hands-on, inquiry based lab activities.

### **5405. Physics of Art & Design**

**Grades 10-12**

**Year: 1.0 credit**

The Physics of Art and Design is an introductory high school physics course. Students will start with an in-depth look at waves and wave properties. Mastery of a topic will be shown via creative design projects rather than traditional mathematically-oriented tests. Students will cover light and optics, color, sound and music, and engineering and design principles where students choose a physics topic to explore.

**5411. Honors Physics****Grades 10-12****Year: 1.0 credit****Prerequisite: Successful completion of Algebra II**

Students learn the fundamental laws of physics. First semester is devoted to the study of kinematics and Newtonian mechanics, and the second semester includes the study of electricity, magnetism, waves, light, and optics. These subjects are presented in a context that is related to everyday, observable phenomena and are accompanied by numerous demonstrations and laboratory exercises.

**5422. AP Physics 1****Grades 10-12****Year: 1.0 credit****Prerequisite: Honors Physics or successful completion of Honors Pre-calculus**

In this college-level course, students build upon their knowledge of the basic natural laws governing the following specific areas: kinematics, Newton's Laws, circular motion, universal gravitation, harmonic motion, momentum, work, energy, rotational motion, electrostatics, DC circuits (resistors only), waves, and sound. Concepts are reinforced with numerous laboratory investigations and experiments. As advised by the College Board, special attention is paid to the "7 Big Ideas" of physics. Students must take the AP Physics 1 exam. As AP Physics 1 is an introductory course, students should plan to take AP Physics 2 the following academic year.

**5432. AP Physics 2****Grades 11-12****Year: 1.0 credit****Prerequisite: Successful completion of AP Physics 1 and concurrent enrollment in AP Calculus AB. AP Physics 1 exam scores will be considered prior to placement in AP Physics 2**

AP Physics 2 is a continuation of the physics concepts taught in AP Physics 1. It is an algebra-based, college-level physics course that explores topics such as fluid statics and dynamics, thermodynamics with kinetic theory, PV diagrams and probability, electrostatics, electrical circuits with capacitors, magnetic fields, electromagnetism, physical geometric optics, and quantum, atomic, and nuclear physics. Through inquiry-based learning, students will develop scientific critical-thinking and reasoning skills.

**5815. Independent Research and Engineering Design****Grades 9-12****Year: 1.0 credit****Prerequisite: An application must be submitted to the instructor prior to placement in the course.**

Student researchers learn traditional experimental approaches to investigation, basic statistical analysis, and research methods. Each student will propose a research question, design and conduct an original experiment, or focus on a specific problem in engineering and present the findings at a research symposium. Throughout this process, students will read scientific literature to identify gaps in the scientific knowledge base and will develop technical writing skills to communicate the result of their findings. Students who register for the course also commit to entering their research in a local science fair and receive teacher support to enter their research in science competitions at the state and local level, in journals, and in online forums, if eligible.

**5811. Honors CSI: Forensic Science****Grade 12****Semester: 0.5 credit****Prerequisites: Completion of Biology or Honors Biology, Honors Chemistry and Algebra II (or current enrollment)**

This course is designed for students interested in learning the disciplines of forensic science and crime-scene investigations. Students are introduced to some of the specialized fields of forensic science. Topics include blood spatter and pattern analysis, death investigation, ballistics, trace evidence, toxicology, entomology, anthropology, and DNA. Students explore the forensic analysis of substances such as fingerprints, soil, hair, bullets, gunpowder, blood, and drugs; they are expected to understand these at an introductory level. This class includes a mixture of laboratory experiments, demonstrations, and speakers who are experts in the field.

## SOCIAL SCIENCE DEPARTMENT

The vision of the social science department is to develop well-educated people who share a body of knowledge, understand common cultural references, preserve a set of values, recognize the role of religion and ethics, and are prepared to participate with confidence in the dynamics of political, economic, and social groups.

**Upper school students must complete a minimum of 4.5 credits in social science for graduation.**

3.0 credits taken in grades 9-11:

- Grade 9 World History to 1550, Honors World History to 1550, AP Human Geography
- Grade 10 World History 1550-present, Honors World History 1550-present, AP World History
- Grade 11 Honors American History, AP United States History

0.5 credit taken from one of the Social Science Elective classes

- Psychology
- AP Psychology (1.0 credit)
- Honors Government
- AP U.S. Government and Politics
- AP U.S. Comparative Government
- Topics in Ottoman History
- AP European History (1.0 credit)

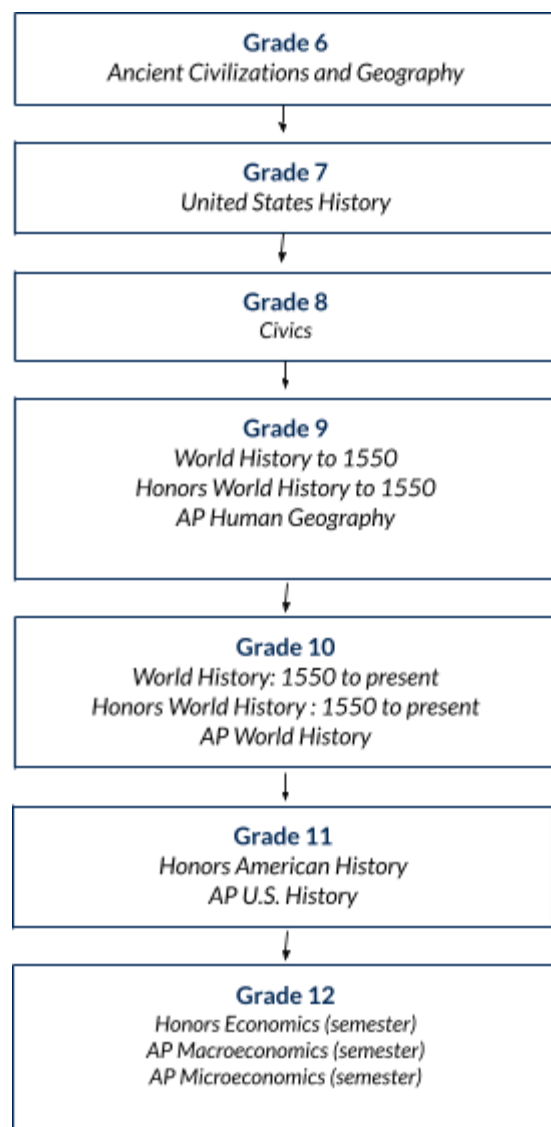
0.5 credit from one of the following options:

- Ethics in Society
- Introduction to the Bible
- World Religions
- Christianity and Film (summer school only)

0.5 credit from the following options (taken in Grade 12)

- AP Macroeconomics
- AP Microeconomics
- Honors Economics

## Social Science Department, cont'd



### Grades 9-12

#### Semester Electives

- Introduction to the Bible

### Grades 10–12

#### Semester Electives

- Ethics in Society
- World Religions
- Psychology
- Topics in Ottoman History

### Grades 11–12

#### Semester Electives

- Honors Government
- AP U.S. Government and Politics
- AP U.S. Comparative Government

#### Year-long Electives

- AP Psychology
- AP European History

## SOCIAL SCIENCE COURSES

### **3110. Ancient Civilizations and Geography**

#### **Grade 6**

This course provides an in-depth study and analysis of the world's ancient civilizations. Students learn about the people and events that helped shape the major Western and non-Western civilizations of the world, beginning with the early Stone Age and ending with the Roman Empire, a time span that covers nearly 7,000 years. Significant emphasis is placed on the everyday lives, problems, and various accomplishments of these civilizations as well as their role in developing social, economic, and political structures that connect the ancient and contemporary worlds.

### **3120. U.S. History**

#### **Grade 7**

This course presents a survey of United States history, from the period of early exploration of North America to the emergence of the modern U.S. Important themes include the development of American national identity and vision from a diverse population, developing and evolving democratic and social institutions, and America's changing role in the global community. Through this course, students become more aware of and better understand the origin and impact of significant historical events, people, and ideas that shape our society.

### **3130. Civics**

#### **Grade 8**

This course is directed toward developing a sound, basic understanding of the theories, structure, and functions of the U.S. political system. Students learn the rights and responsibilities of citizens and the importance of individual civic participation in the democratic process. Topics include analysis of the three branches of government at the local, state, and federal levels; the role of the political parties; and economic fundamentals. Students also learn about foreign affairs and selected social, economic, and political problems.

### **3210. World History to 1550**

#### **Grade 9**

#### **Year: 1.0 Credit**

This study of world history and geography provides an extensive survey of history from ancient civilizations to 1550. This course uses a high school-level textbook and addresses skills required in either AP World History or Honors World History in 10th grade.

### **3211. Honors World History to 1550**

#### **Grade 9**

#### **Year: 1.0 Credit**

This study of world history and geography provides an extensive survey of history from ancient civilizations to 1550. This course uses a college-level textbook and addresses skills in preparation for AP World History in 10th grade.

### **3242. AP Human Geography**

#### **Grade 9**

#### **Year: 1.0 Credit**

**Prerequisites:** A- or higher in 8th grade Civics and approval from the instructor.

AP Human Geography introduces students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of Earth's surface. Students employ spatial concepts and landscape analysis to examine human social organization and its environmental consequences. The course covers topics such as population and migration; culture, including language; religion and ethnicity; political geography; conflict; rural and urban land use; agriculture; and industry.

### **3221. Honors World History 1550-Present**

#### **Grade 10**

#### **Year: 1.0 Credit**



This course covers the major world civilizations, beginning with a study of the factors that brought the world together and the creation of a global community: the Age of Discovery and the Columbian Exchange. The course then shifts towards the great ideas that shaped the modern world: nationalism, liberalism, and the expansion of human rights and liberties through the study of the Revolutionary period to the early modern period. The second semester is devoted to an analysis of the cataclysmic 20th century. Students analyze the root causes of the World Wars, the communist revolutions in Europe and Asia, and the formation of the post-Cold War society. As a final note, students should understand that this is a world history course displaying the development of the contemporary world through the perspective of cultures, including those outside the United States.

### **3222. AP World History**

**Grade 10**

**Year: 1.0 Credit**

**Prerequisites:** A in World History to 1550, or B+ in Honors World History to 1550, B+ in 9th grade English, and permission of the current history teacher. This highly challenging course covers world history from 1200 CE through the beginning of the 21st century. The AP World History course provides a clear framework of four chronological periods, viewed through the lens of related key concepts and course themes, accompanied by a set of skills that clearly define what it means to think historically.

### **3311. Honors American History**

**Grade 11**

**Year: 1.0 Credit**

The theme of this course is how modern-day America has been affected by events leading up to and through the Civil War. The opening six weeks of the course cover federalism, expansion, and the Civil War, which is treated as a key turning point in the development of the country. The rest of the year looks at how this early time period influenced the development of modern America. The reading in the course focuses primarily on one text, supplemented with additional readings. The course ends with a unit on globalization, 9/11, and the current war on terror.

### **3312. AP United States History**

**Grade 11**

**Year: 1.0 Credit**

**Prerequisites:** B+ or higher in previous year's social science course and permission of the current history teacher.

This course can be taken in place of Honors American History by students who want the additional challenge of college-level work. The course is an in-depth study of the entire scope of U.S. history, with emphasis on critical thinking and evaluative writing. Text material is college level, and students are encouraged to read outside sources of historical interpretation.

### **3412. AP European History**

**Grades 11-12**

**Year: 1.0 Credit**

**Prerequisites:** B+ or higher in previous social science course, and permission of the current history teacher.

While a global approach to the study of history is important, the world we live in today has been significantly shaped—for better and for worse—by the inhabitants of Europe. This survey course exposes students to the history of Europe since 1450. A variety of perspectives—political, diplomatic, economic, social, intellectual, and cultural—are explored so that students can enhance their understanding of Europe's impact on all aspects of the modern world. While much of the course is devoted to these perspectives, there is also an emphasis on analysis of primary documents, identification and evaluation of historical interpretation, and the development of writing and critical-thinking skills vital to success on the Advanced Placement examination.

### **3357. Topics in Ottoman History**

**Grades 10-12**

**Semester: 0.5 Credit**

The purpose of this course is to introduce students to the fascinating world of the Ottoman Empire and its history and culture while exposing them to Ottoman food, music, architecture, religion, politics, poetry, and art. This course will cover the rise of the Ottoman Empire from its humble Normandy beginnings through the conquest of

Constantinople, the Imperial Age of Istanbul, the Sultanate of Women, and its decline and collapse. It will require nightly reading assignments, several papers, and a historical-fiction writing piece that will allow students to explore their creative sides.

### **3611. Honors Government**

**Grades 11-12**

**Semester: 0.5 Credit**

Students in this course examine the structure and function of our government with regard to the current political system, public policies, and the impacts of those policies. In addition to the text, the students use newspaper articles, editorials, speeches, political debates, Supreme Court cases, and political films to explore the contemporary scope of government in the United States.

### **3612. AP U.S. Government and Politics**

**Grades 11-12**

**Semester: 0.5 Credit**

**Prerequisites: B+ in previous year's history course and approval of the current Social Science instructor.**

This is a course focusing on the unique forms and processes in the American political system. Students delve into American political topics such as political behavior, civil rights and liberties, and policy development while simultaneously gaining an in-depth understanding of the modern political institutions that govern public reaction to these topics. The course features a text with supplements from a variety of primary sources, academic journals, and news outlets, and includes a variety of projects, case studies, and hands-on activities. Students interested in law and American politics are encouraged to consider this course as it is designed to teach the fundamental principles of the American political system and provide a basis for more advanced political science studies in college.

### **3633. AP U.S. Comparative Government (year - grades 11-12)**

**Grades 11-12**

**Semester: 0.5 Credit**

**Prerequisites: B+ in previous year's history course and approval of the current Social Science instructor.**

Students in this class will study the rich diversity of political life outside the United States. The course uses a comparative approach to examine the political structures; policies; and the political, economic, and social challenges among six selected countries: Great Britain, Mexico, Russia, Iran, China, and Nigeria. Additionally, students examine how different governments solve similar problems by comparing the effectiveness of approaches to many global issues.

### **3810. Psychology**

**Grades 10-12**

**Semester: 0.5 Credit**

Students examine the history of psychology from ancient to modern times. Early philosophers and schools of psychology are studied. Major psychological theorists' lives, theoretical concepts, and important research are discussed. Topics include development, personality, abnormal psychology and treatment of psychological disorders, social psychology, cognition and language, learning and memory, intelligence and its measurement, sensation and perception, and motivation and emotion. Introduction to experimental methods and influential experiments in the history of psychology are also covered.

### **3812. AP Psychology**

**Grades 11-12; 12th grade receives registration priority**

**Year: 1.0 Credit**

**Prerequisite: B+ or higher in previous year's social science course, or permission of the AP Psychology teacher.**

This advanced course introduces students to the systematic and scientific study of the behavior and mental processes of human beings and other animals. Students are exposed to the psychological facts, principles, and phenomena associated with each of the major subfields in psychology and learn about the methods psychologists use in their science and practice. Main topics include methods, history, biological bases of behavior, sensation and perception, motivation and emotion, developmental psychology, personality, testing, abnormal psychology, treatment, and social psychology.

## Economic Courses

### **3511. Honors Economics**

**Grades 11-12; 12th grade receives registration priority**

**Semester: 0.5 Credit**

This course covers basic economic concepts and is an introduction to both microeconomics, the study of the nature and functions of individual decision makers in the modern economic system, and macroeconomics, the economic system as a whole. Students participate in the Florida Stock Market Challenge as a term project for this course. This class fulfills the 0.5 Economics credit for graduation.

### **3516. AP Macroeconomics**

**Grades 11-12; 12th grade receives registration priority**

**Semester: 0.5 Credit**

**Prerequisites: B+ or higher in previous year's social science course, completion of or concurrent enrollment in Precalculus, and permission of the current history teacher.**

Students will receive a thorough understanding of the principles of economics that apply to an economic system as a whole. Macroeconomics places particular emphasis on the study of national income and price-level determination. It also develops students' familiarity with economic performance measures, the financial sector, stabilization policies (fiscal and monetary) and long-term consequences, macroeconomic theory, economic growth, and international trade. This class fulfills the 0.5 Economics credit for graduation.

### **3515. AP Microeconomics**

**Grades 11-12; 12th grade receives registration priority**

**Semester: 0.5 Credit**

**Prerequisites: B+ or higher in previous year's social science course, completion of or concurrent enrollment in Precalculus, and completion of Macroeconomics in the fall.**

Students will receive a thorough understanding of the principles of economics that apply to the functions of individual decision-makers, both consumers and producers, in the economic system. Microeconomics places primary emphasis on the nature and functions of product markets and includes the study of factor markets and of the role of government in promoting greater efficiency and equity in the economy. This course fulfills the .5 Economics credit for graduation.

## Ethics Courses

### **3740. Introduction to the Bible**

**Grades 9-12**

**Semester: 0.5 Credit**

**This course fulfills the 0.5 credit ethics requirement for graduation OR the additional 0.5 credit social science requirement for graduation.**

This course is a survey of the Hebrew and Christian Testaments of the Bible, with emphasis on major stories and passages. Reading and discussing biblical texts and connecting the texts to the development of both Judaism and Christianity, as well as the premise that knowledge of the Bible is essential to understanding Western culture, are the focus of the class.

### **3720. World Religions**

**Grades 10-12**

**Semester: 0.5 Credit**

**This course fulfills the 0.5 credit Ethics requirement for graduation OR the additional 0.5 credit social science requirement for graduation.**

Students are exposed to the faith traditions, practices, and sacred writings of primal religions: Hinduism, Buddhism,

Islam, Judaism, and Christianity. If there is time, other traditions prevalent in the world will be explored. Through reading, research, project presentations, field trips, and other experiences, the class considers each tradition in the light of the basic questions of a worldview: Is there a god, and if so, what is his/her/their/its nature? What are human beings, and do they have a purpose? What constitutes the "good life"? Why is there suffering? Is there an afterlife, and, if so, does it have any bearing on one's current existence?

### **3750. Ethics and Society**

**Grades 10-12**

**Semester: 0.5 Credit**

The purpose of this course is to introduce students to ethics through philosophical reflection and moral deliberation. We will concern ourselves with not only what actions are morally right or morally wrong, but what makes actions morally right or wrong. Special attention will be paid to how various ethical theories and practices drive our approaches to life. Students will be active participants in discussions and analyses, exploring a myriad of dilemmas, case studies, and current events. This class will challenge students to explore ethical dilemmas through discussion, investigation, and application of concepts. A capstone project serves as the final assessment. Register to take this course in one of two ways: either face-to-face in a physical classroom, or online in Canvas. This course fulfills the Social Science (ethics) .5 credit.

# WORLD LANGUAGES DEPARTMENT

In an increasingly global society, it is essential that students develop good language and communication skills. Linguistic proficiency and cultural understanding achieved by the study of languages other than English will aid students in seeking success in college and beyond. The World Languages department is devoted to helping students achieve proficiency in language in their future role as world citizens.

Students begin world language study in the 6th grade and can progress to college-level courses. While the minimum requirement is two consecutive years of one language and continuous language study through 10th grade, Trinity encourages continuing language study throughout upper school, reaching the highest level of individual proficiency possible.

The WE Service component in AP French and AP Spanish involves service learning and applying academic learning through meaningful community-based involvement. It incorporates hands-on projects into AP courses and empowers students to become leaders and agents of change.

## FRENCH COURSES

### 2200. French IA

Grades 6-7

Year

This course is designed for students who have not had prior exposure to French. Oral aspects of the language are emphasized, with attention also given to promoting proficiency in speaking, listening, writing, and reading skills. Students are introduced to the basic principles of French grammar. The culture and geography of the French-speaking world are introduced.

### 2205. French IB

Grades 7-8

Year

**Prerequisite:** French IA.

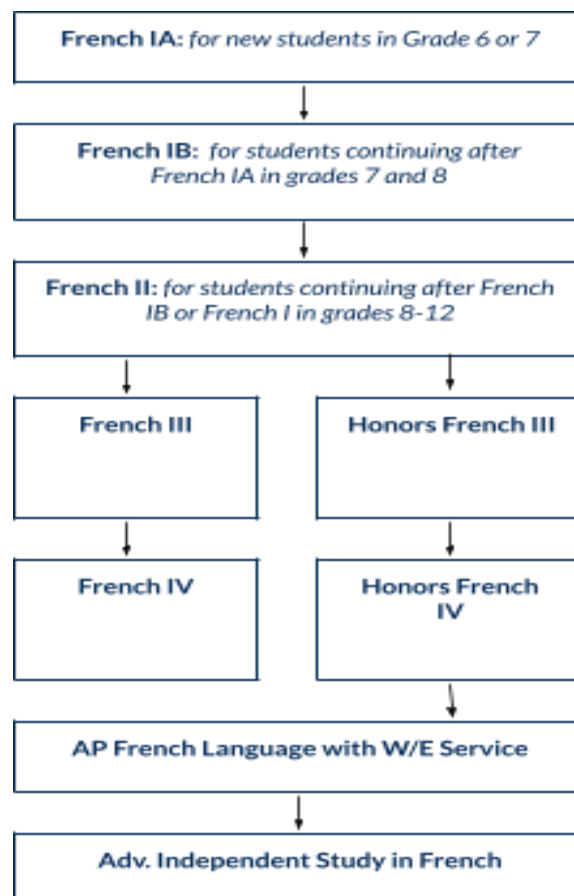
The primary goal of this course is to develop oral proficiency through frequent oral presentations, oral drills, and songs. Activities relating to the development of interpersonal, interpretive, and presentational communication are tailored to the French 1B class. Language skills are acquired through meaningful and sustained engagement with Francophone culture around the world. Students are encouraged to make comparisons and connections between cultures. More complex grammar is studied, such as the past tenses of the indicative and elements of the subjunctive present.

### 2210. French I

Grades 8-12

Year: 1.0 Credit

The primary goal in French I is to develop oral proficiency and work on all four language skills of reading, listening, writing, and speaking, conducting frequent oral drills, and using authentic French resources such as songs, games, poems, and stories. Basic grammatical concepts are taught. Students learn about the influence of the French language and culture around the world, the multicultural aspects of the French-speaking world, and the current cultural trends, regulations, and habits in France and other countries.



**2220. French II****Year: 1.0 Credit****Prerequisite: French I or French IB**

In this course, a continued emphasis is placed on the development of oral proficiency. Frequent oral presentations are assigned throughout the school year. The study of grammar is reinforced and expanded. The culture of France and the Francophone world continues to be an integral part of the curriculum.

**2230. French III****Year: 1.0 Credit****Prerequisite: French II**

French is spoken almost exclusively in this class. Oral proficiency continues to be emphasized through frequent oral presentations and impromptu questions. The study of grammatical structures and authentic resources are commonly explored and analyzed. Current events are discussed through reading newspaper articles and watching online broadcasts.

**2231. Honors French III****Year: 1.0 Credit****Prerequisites: B+ in French II and permission of the instructor**

In this course, the study of advanced grammatical structures complements an increased emphasis on writing and speaking. The class is conducted entirely in French, and students are expected to participate in class discussions in the target language. Students explore real-world problems and challenges, following the project-based learning approach. They are encouraged to follow the Honors sequence leading to AP French Language.

**2240. French IV****Year: 1.0 Credit****Prerequisite: French III**

The purpose of this course is to further increase students' knowledge of French through the study of its culture and grammar while continuing to emphasize speaking, listening, reading, and writing skills. Instruction materials include authentic audio and video recordings in addition to a variety of authentic texts. Students are also introduced to literature from the French-speaking world. The class is conducted entirely in French, and students are expected to participate in class discussions and to speak French at all times in order to increase oral proficiency.

**2241. Honors French IV****Year: 1.0 Credit****Prerequisites: B+ in Honors French III and recommendation of the Honors French III instructor**

This course is primarily designed to prepare students for the AP French Language course, focusing on strengthening all four language skills of speaking, listening, reading, and writing. Grammar is reviewed. Essay writing and impromptu speaking skills reflect a growing ability to analyze and synthesize information from a variety of sources. Instruction materials include authentic audio and video recordings in addition to a variety of authentic literary and non-literary texts. Students are introduced to literature from the French-speaking world. The class is conducted entirely in French; student participation is vital for success, as oral proficiency is emphasized.

**2252. AP French Language and Culture with WE Service****Year: 1.0 Credit****Prerequisites: B+ in Honors French IV and permission of the instructor**

This is a college-level course designed to meet the needs of highly motivated students interested in a college-level intensive language study through language immersion. By stressing speaking, reading, writing, and listening, students work towards proficiency in interpersonal, interpretive, and presentational communication. This course enables advanced French students to improve writing skills and problem-solving techniques in preparation for the AP Exam. Students explore the French-speaking world through a variety of perspectives based on authentic and up-to-date materials and the use of French media. Concurrently, students work locally and globally on a service-learning project with WE Service.

### 2260. Cinema for French Conversation

**Year: 1.0 Credit**

**Prerequisite:** completion of **French IV, Honors French IV, or AP French Language and Culture with WE Service**

In this project-based course, students discover French and Francophone culture through the prism of cinema by studying films in their social, historical, and philosophical context. Students enhance their mastery of the four essential communication skills (speaking, listening, writing, and reading) and further appreciate cultural diversity in the French-speaking world.

### 2270. Advanced French Independent Study

**Grade 12 only**

**Year: 1.0 Credit**

**Prerequisite:** **AP French Language and Culture with WE Service**

This course will be divided into four quarters during which pre-approved students will research and become specialists on topics of personal interest with the guidance of their teacher. Areas of research may include, but are not limited to, Francophone cinema, literature, history, music, politics, architecture, and culinary arts. Weekly meetings take place with the supervising teacher, and each quarter culminates in a graded research portfolio, including a written thesis, an oral presentation, and other submissions. Creativity, commitment, independence, and diligence are key for successful completion of this advanced course.

## LATIN COURSES

### 2100. Latin IA

**Grades 6-7**

**Year**

In this introduction to the language and culture of the Roman world, students acquire the skills needed to read and use Latin as soon as possible. The study of English derivatives based on Latin vocabulary is an important element of the class.

### 2105. Latin IB

**Grades 7-8**

**Year**

**Prerequisite:** Latin IA

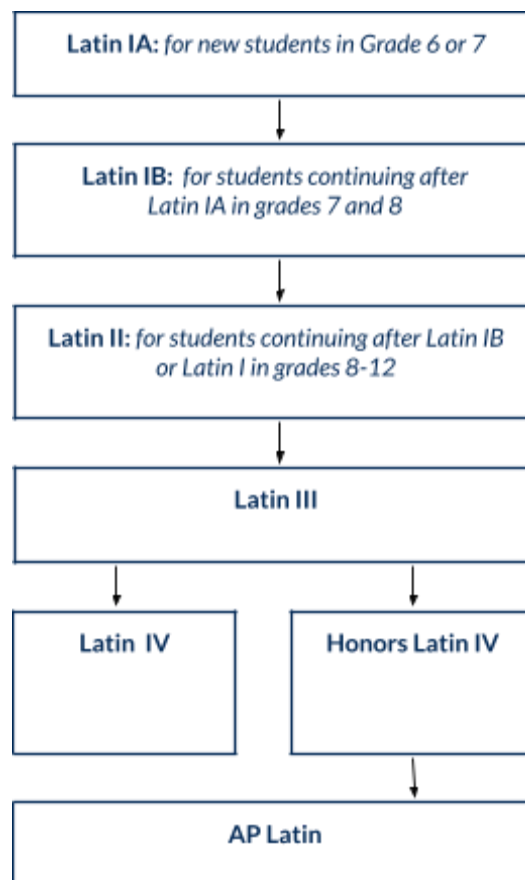
Students are introduced to more sophisticated sentence patterns, and grammatical concepts are reinforced and augmented. In addition to new Latin vocabulary, students expand their English vocabulary through the study of derivatives while continuing to develop the skills needed to read Latin immediately. They also build on the pronunciation, aural comprehension, and speaking of Latin begun in level IA.

### 2110. Latin I

**Grades 8-12**

**Year: 1.0 Credit**

This is a combination of Latin IA and Latin IB. Students are introduced to the language and culture of the Roman world and learn basic grammatical concepts and terminology. In addition to new Latin vocabulary, students expand their English vocabulary through the study of derivatives. They are introduced to spoken Latin. Students develop the skills needed to read Latin immediately.



**2120. Latin II****Year: 1.0 Credit****Prerequisites: Latin I and the recommendation of current instructor**

Students learn more sophisticated sentence patterns and grammatical concepts. They expand their knowledge of Latin vocabulary, English derivatives, and Roman culture.

**2131. Honors Latin III****Year: 1.0 Credit****Prerequisites: Latin II and recommendation of current instructor**

This course completes the introductory curriculum and refines and reviews knowledge of grammar and vocabulary from previous years. Students translate original Latin authors, both prose writers and poets, for the first time. They are introduced to Latin meter, scansion, and poetic devices. Latin authors are presented in historical context. Derivative work continues.

**2141. Honors Latin IV****Year: 1.0 Credit****Prerequisites: Honors Latin III and recommendation of current instructor**

Students read original passages from Caesar and Cicero and verses from the poetry of Vergil, Ovid, Catullus, and Horace. They expand their knowledge of the language through selections of authentic Latin texts from the medieval and Renaissance writers: Bede, Einhard, Copernicus, Holberg, and Erasmus. Students analyze different styles of writing. They master the essential elements of classical Latin grammar and syntax, practice how to recognize and read different poetic meters, and discuss rhetorical and poetic devices. Through many projects and presentations, students deepen their understanding of Western civilization.

**2152. AP Latin****Year: 1.0 Credit****Prerequisites: B+ or above in Honors Latin IV and permission of the instructor**

Students study Vergil's "Aeneid" and selections from Caesar's "Gallic War." The syllabus is determined by the College Board AP Latin Committee, and students prepare for the national examination in May.



# SPANISH COURSES

## 2300. Spanish IA

Grades 6-7

Year

This course is intended as an introduction to Spanish in middle school. Students begin to master basic vocabulary and grammatical concepts through listening, speaking, reading, and writing activities, and they start to appreciate Hispanic traditions and culture. Frequent assessments help in the development of oral proficiency.

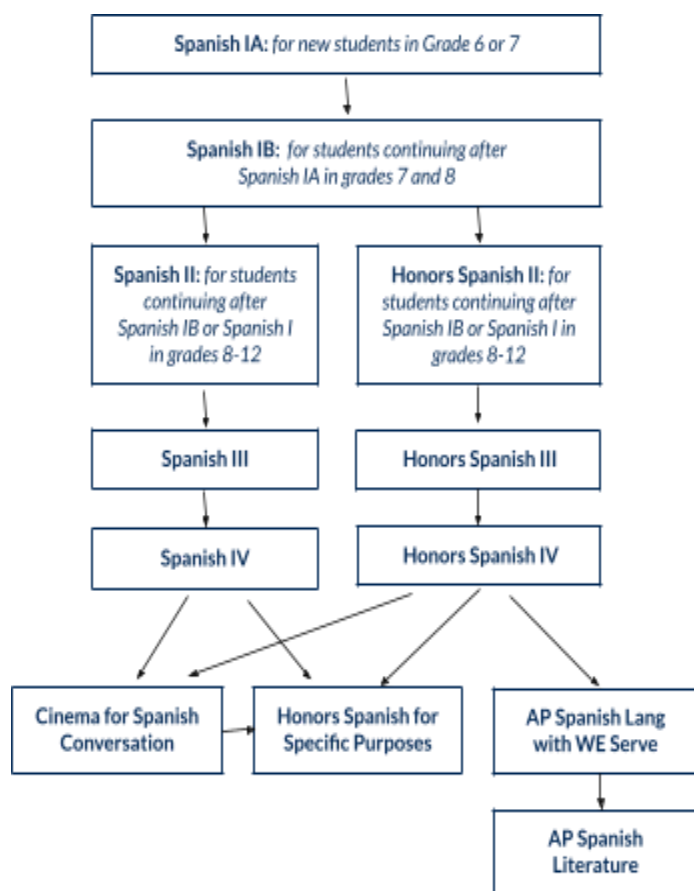
## 2305. Spanish IB

Grades 6-8

Year

**Prerequisites:** Spanish IA

The Spanish IB curriculum provides a continuation of foundation building through conversation and study of basic grammatical structures. A continuing goal is the development of oral proficiency.



## 2310. Spanish I

Grades 8-12

Year: 1.0 Credits

This course is an introduction to Spanish. Students begin to develop mastery of basic grammar and vocabulary through listening, speaking, reading, and writing activities. Communication activities build oral proficiency.

## 2320. Spanish II

Grades 8-12

Year: 1.0 Credit

This course continues to focus on skills learned in Spanish I by engaging students in open-ended communication. This class is primarily conducted in Spanish, and students are expected to use Spanish as much as possible. Students learn about places, traditions, and customs in the Hispanic world and get a deeper understanding of grammar, increasing their confidence in speaking and writing, as well as in listening and reading comprehension. The course's ultimate goal is to equip students with a strong foundation to successfully continue their studies of Spanish in an increasingly demanding world market

## 2321. Honors Spanish II

Year: 1.0 Credit

**Prerequisites:** B+ or higher in Spanish IB, or Spanish I and instructor's recommendation

This course stresses oral proficiency through

extensively studying grammar. Students are encouraged to go beyond the skills presented in the text and to express themselves in writing and speaking. This class is conducted in Spanish, and students are required to use Spanish at all times. Students in this class are highly motivated and active learners who understand and appreciate the demands of a global community.

**2330. Spanish III****Year: 1.0 Credit****Prerequisite: Spanish II**

This course focuses on everyday communication and prepares the student to use the language appropriately in a variety of situations and contexts, both in speech and writing. The skills of listening, speaking, reading, and writing are taught through the study of a wide range of materials. This class is conducted primarily in Spanish, and students are expected to participate in class discussions and to speak Spanish as much as possible to increase oral proficiency. The course includes insight into the cultures of Latin America and Spain.

**2331. Honors Spanish III****Year: 1.0 Credit****Prerequisites: B+ in Honors Spanish II, and permission of the instructor**

This course focuses on the enhancement of listening, speaking, reading, and writing skills. An overview of Latin American culture and geography, as well as insight into the culture of Spain, is included. The study of advanced grammatical structures complements an increased emphasis on composition writing. The class is conducted entirely in Spanish, and students are expected to participate in class discussions and to speak Spanish at all times in order to increase oral proficiency. Students are encouraged to follow the Honors sequence leading to AP Spanish Language and Culture and/or AP Spanish Literature.

**2340. Spanish IV****Year: 1.0 Credit****Prerequisite: Spanish III**

The purpose of this course is to continue learning Spanish and to further increase students' knowledge through the study of culture and grammar while continuing to develop listening, speaking, reading, and writing skills. The fourth year of language acquisition is challenging, yet exciting, as we progress to more complex communication skills, with an emphasis on vocabulary building. The class is conducted entirely in Spanish, and students are expected to participate in class discussions and to speak Spanish at all times in order to increase oral proficiency. This course employs a project-based curriculum in which students mimic real-world applications of the language and culture as a measurement of their knowledge acquisition.

**2341. Honors Spanish IV****Year: 1.0 Credit****Prerequisites: B+ in Honors Spanish III, and permission of the instructor**

Although this course is primarily designed to prepare students for the Advanced Placement Spanish Language course, it is also an excellent course for seniors who plan to continue their language studies at the university level. The course focuses on strengthening all four language skills of reading, listening, writing, and speaking. Grammar from previous levels is reviewed and reinforced before proceeding to increasingly complicated and sophisticated grammatical structures. Vocabulary is expanded by upgrading lexical terms and idiomatic expressions and adding formal structures needed for writing letters, essays, and compositions. Essay writing and impromptu speaking activities are designed to foster a growing ability to express complex thoughts with increasing confidence. Students are introduced to literature from the Spanish-speaking world. The class is conducted entirely in Spanish, and student participation and engagement are vital for success.

**2350. Cinema for Spanish Conversation****Year: 1.0 Credit****Prerequisite: Spanish IV or Honors Spanish IV**

This project-based course is designed to provide students with the opportunity to practice the language through discussion of selected films and related topics of interest. It enables students to expand and enrich their knowledge of the diverse cultures of the Hispanic world by exploring ideological, philosophical, social, and political points of view through film. Since this is not a grammar-based course, group projects throughout the year permit students to further research the culture and history of Spain and various countries in Latin America and to make comparisons with their own culture. All projects, whether student films, debates, mock trials, or other formats, allow students to synthesize and creatively utilize the knowledge of Spanish acquired in previous years.

**2351. Honors Spanish Language for Specific Purposes****Grade 12 only****Year: 1.0 Credit****Prerequisite: Spanish IV, Honors Spanish IV, or Cinema for Spanish Conversation**

Global competency implies that students have developed skills that include investigation, cultural perspectives, and communication skills in several disciplines such as business, health, law, and STEM. This course is designed to prepare students to apply their advanced communication and cross-cultural skills in their personal and professional lives. The course addresses careers, leadership, general business skills, and business etiquette.

**2362. AP Spanish Language and Culture with WE Service****Year: 1.0 Credit****Prerequisites: B+ in Honors Spanish IV, and permission of the instructor**

This course continues to develop fluency and accuracy in language and engages students in an exploration of culture in both contemporary and historical contexts. Students entering this course have a reasonable proficiency in listening comprehension, speaking, reading, and writing. The holistic approach includes comprehension and comprehensibility, vocabulary usage, language control, communication strategies, and cultural awareness. It also develops students' appreciation of products (tools, books, laws, institutions), practices (patterns of social interactions), and perspectives (values, attitudes, and assumptions). In parallel, students work locally and globally on a service-learning project with WE Service.

**2372. AP Spanish Literature and Culture****Year: 1.0 Credit****Prerequisites: B+ in AP Spanish Language and Culture, and permission of the instructor**

This course is designed to provide students with a learning experience in Peninsular and Latin-American literature equivalent to that of a third-year college course. Students will be introduced to the formal study of a representative body of Peninsular and Latin-American literary texts and to the analysis of works of art, primarily paintings, from different artists, styles, and times. Content focuses on the works of Spanish and Latin-American writers from medieval times to the 20th century. The reading list is determined by the College Board and may be subject to change. The reading selections are representative of a particular author's style. Students are responsible for taking notes and communicating on all levels in Spanish, both orally and in written form. They will complete assignments and projects intended to practice the skills required on the AP exam.

## CHINESE COURSES

### **2410. Chinese I**

**Grades 8-12**

**Year: 1.0 Credit**

This course is designed to help students develop basic proficiency in speaking, listening, reading, and writing Mandarin Chinese, with an emphasis on pronunciation, the Pinyin Romanization system, and the building blocks of Chinese characters.

### **2420. Chinese II**

**Grades 8-12**

**Year: 1.0 Credit**

**Prerequisite: Must have completed Chinese I or have achieved the corresponding Chinese proficiency.**

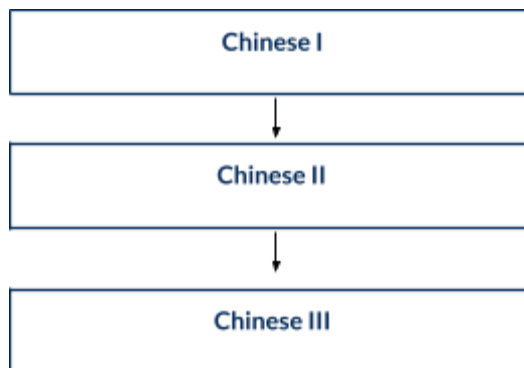
This course is designed to help students acquire listening, speaking, reading, and writing skills and be able to use Chinese to fulfill the basic communication activities and tasks encountered in their life, study, and work. They will be able to handle most communication tasks when they travel in China.

### **2431. Honors Chinese III**

**Year: 1.0 Credit**

**Prerequisite: Must have completed Chinese II or have achieved the corresponding Chinese proficiency.**

This course is designed to help students further improve their listening, speaking, reading, and writing skills. More importantly, students will begin to develop the ability to write paragraphs. They will be able to understand basic language materials that they encounter in their daily life, work, and other common social occasions, to communicate and exchange ideas with others on familiar topics, and to briefly describe basic situations relevant to these topics.



## MALONE SCHOOLS ONLINE NETWORK (MSON)

The Malone Schools Online Network provides students in grades 11-12 at registered Malone schools with a variety of superior online courses, offered in an online classroom that will enhance each school's existing curriculum. The courses are taught by teachers from Stanford Online High School and other Malone schools in the network who are experts in their fields, have experience with independent school education, and share a commitment to excellence, small class sizes, and personal relationships. Course offerings target the most talented students at member schools who demonstrate sufficient independence and commitment to succeed in a virtual discussion seminar. Each course takes a blended approach, combining synchronous instruction and real-time video-conferencing seminars with asynchronous instruction, recorded lectures, and exercises that students complete outside of class. A limited number of places will be available to Trinity Prep students. All students must have permission from the appropriate department chair and the director of curriculum.

All classes will take place at the indicated times in the Eastern Time Zone.

The Malone School Online Network Course Catalog can be found at [Malone School Online Network's Website](#).