



Fairfield College Preparatory School

# **Course Catalog and Course Selection Information**

**2020 –2021 Academic Year**

# Table of Contents

---

Graduation Requirements and Course of Studies	3
Course Selection Timetable	4
English Department	5
Fine Arts Department	10
Guidance Department	13
Innovation Department	14
Math Department	17
Science Department	22
Social Studies Department	26
Theology Department	32
World Language Department	34

# Graduation Requirements and Course of Studies

---

Students at Fairfield Prep must fulfill the following graduation requirements:

4 years of English	3 years of Social Studies
4 years of Mathematics	3 years of World Language
4 years of Theology	1 year of Fine Arts
3 years of Science	½ year of Computer Science / Innovation

The Course of Studies for students in the **Class of 2023** for the 2020 – 2021 academic year should include:

- English (English II or Honors English II)
- Mathematics (Geometry or higher depending on current course)
- Theology II
- Science (Biology, Honors Biology, Physics, Honors Physics, or AP Physics I depending on current enrollment)
- Social Studies (AP European History, Honors Asian Humanities, Asian Studies, Western Civilization)
- World Language

The Course of Studies for students in the **Class of 2022** for the 2020 – 2021 academic year should include:

- English (American Literature or AP English Literature & Composition)
- Mathematics (Algebra II or higher depending on current course)
- Theology III
- Science (Physics, Honors Physics, or AP Physics I, Chemistry or Honors Chemistry depending on current enrollment)
- Social Studies (United States History AP United States History)
- World Language

The Course of Studies for students in the **Class of 2021** for the 2020 – 2021 academic year should include:

- English (English IV elective or AP English Language & Composition. Creative Writing is an elective that cannot be taken to fulfill the four-year English requirement)
- Mathematics (Pre-Calculus or higher depending on current course)
- Theology (Social Ethics and Economy & Society or Social Ethics and Global & Environmental Justice)
- Science OR Elective (Students must take Chemistry if they have not already done so. If students have completed Chemistry, they can take AP Biology, AP Chemistry, AP Physics I or Environmental Science. Environmental Science cannot be taken to fulfill the three-year Science requirement)
- Social Studies OR Elective (Students who did not take Western Civilization in their freshman year must enroll in a Social Studies course.)
- World Language OR Elective (Students must complete three years and through the third level in one World Language to fulfill the graduation requirement.)

## Course Selection Timetable

---

### Class of 2021, 2022 and 2023

Friday, February 7, 2020	Course Selection Assembly
Monday, February 10, 2020 and Tuesday, February 11, 2020	Guidance Sessions
Wednesday, February, 12, 2020 – Thursday, March 12, 2020	Course Request Access Period
Friday, March 13, 2020 – Thursday, March 26, 2020	Department Chair Approval Period
Friday, March 27, 2020	Course Approvals Published
Monday, March 30, 2020 – Thursday, April 9, 2020	Course Appeal and Add / Drop Period
Tuesday, April 28, 2020	Final Course Approvals Posted

# English Department

Mrs. Elaine J. Clark P'15 (Department Chairperson)  
 Mr. James M. Chesbro  
 Mr. Paul D. Denby  
 Mrs. Megan M. Hoover  
 Mrs. Jessica Lombardi

Ms. Jayne Penn  
 Mr. Matthew S. Sather '93  
 Mr. William T. Shea '72, P '08, '11  
 Mrs. Mary L. Wooley

ENGLISH DEPARTMENT COURSE OFFERINGS			
9 <sup>th</sup> Grade	10 <sup>th</sup> Grade	11 <sup>th</sup> Grade	12 <sup>th</sup> Grade
English I	Honors English II	AP Literature & Composition	AP Language & Composition
	English II	English III: American Literature**	English IV: American Drama & Film
			English IV: British Writers
			English IV: Literature of Industry
			English IV: Literature of Political Thought
			Creative Writing
Enrichment Courses Offered Online Through AVLI (10 <sup>th</sup> , 11 <sup>th</sup> and 12 <sup>th</sup> Grade)			
Catholic Authors*	Multimedia Authorship*	The Art of Drama*	"You Shall Not Pass"*

\* Course is offered online through the Arrupe Virtual Learning Institute. Additional fees apply.

\*\* Students enrolled in American Literature are eligible to enroll in the American Studies program (American Literature and American History with the same faculty member)

## ENGLISH I: THE STUDY OF THE TRADITIONAL HERO AND FOUNDATIONS OF COMPOSITION

Understanding and appreciating literary genre and technique are objectives of the freshman literature curriculum. Students read and write about a wide variety of novels, short stories, plays, and poems throughout the year. Frequent creative and expository responses are required and student skills in correct usage, punctuation, and grammatical concepts are refined during this year. Vocabulary skills, analogies, and word building skills are integrated throughout the program. In addition, the use of the web as it relates to producing papers with MLA format is examined. Students will be assigned on-line research projects to examine the quality and reliability of web sources.

## HONORS ENGLISH II: THE STUDY OF THE MODERN HERO IN MORAL CONFLICT AND INTERMEDIATE COMPOSITION

**Requirements:** Approval of English Department Chairperson

Honors English II aims at refining a broad range of skills in students. In addition to continuing the study of grammatical principles covering sentence structure, variety, and paragraph unity begun in freshman year, students further develop vocabulary skills from PSAT-SAT lists and words gleaned from the literature studies. A focus on writing includes experiences in expository, fiction, and poetry, as well as free-response writing. Students are required to respond, edit, rewrite, and refine their work. Students must also keep a writing notebook and a portfolio of finished work for review. Students will be asked to read challenging texts and maintain a greater level of individual responsibility. Students are also required to use technology for research and investigation culminating in a research term paper. The sophomore literature component includes analysis of selections from

the classic Greek tragedies to 20th century contemporary novelists and poets. Its focus is on the development of skills that will enable the student to read and think critically.

### **ENGLISH II: THE STUDY OF THE MODERN HERO IN MORAL CONFLICT AND INTERMEDIATE COMPOSITION**

English II aims at refining a broad range of skills in students. In addition to continuing the study of grammatical principles covering sentence structure, variety, and paragraph unity begun in freshman year, students further develop vocabulary skills from PSAT-SAT lists and words gleaned from the literature studies. A focus on writing includes experiences in expository, fiction, and poetry, as well as free-response writing. Students are required to respond, edit, rewrite, and refine their work. Students must also keep a writing notebook and a portfolio of finished work for review. Students are also required to use technology for research and investigation culminating in a research term paper. During the course of the year, students will read classic literature spanning from Shakespearian drama to modern contemporary novels, plays, and poems. As students read and discuss the novels, the focus will be on the continued development of critical reading and thinking skills as well as the ongoing instruction in literary analysis. Along with this, students will contrast the view of the traditional hero, studied in English I, with that of the more modern hero who faces moral dilemmas and must choose which path they will take. Students explore both the positive and negative outcomes of those decisions.

### **AP ENGLISH LITERATURE AND COMPOSITION**

**Requirements:** *Approval of English Department Chairperson*

This college-level course is organized chronologically around the theme of the American identity, highlighting major American authors from the eighteenth through twentieth centuries. It trains students to become skilled readers of prose and poetry written in a variety of periods and rhetorical contexts, and sophisticated writers of expository, analytical and argumentative essays. All students are required to take the AP Literature Exam in May.

### **ENGLISH III: SURVEY OF AMERICAN LITERATURE AND COLLEGE COMPOSITION**

Prep's third year course is a study of the distinctive character of American literature. Students read and analyze selections from colonial America to the present and become familiar with the ideas, themes and characters who define the American Literary tradition. Portfolio assessment continues this year with expository, fiction, and poetry, often modeled on the literature. While vocabulary and SAT work continue on this level, extensive instruction in literary criticism begins.

### **AMERICAN STUDIES**

**Requirements:** *Approval of English and Social Studies Department Chairperson*

American Studies is an interdisciplinary program consisting of paired American History and American Literature classes. In this course, students examine the nation's history and culture through literature, primary and secondary historical documents, art, music, and politics. Starting with the pre-Columbian era and ending in the 20<sup>th</sup> century, students work chronologically and thematically through American fiction and non-fiction texts in an effort to understand the evolution of the United States as a nation, as well as the evolution of the American character and literary tradition. The course prepares students to read and write about a wide range of texts over the span of several centuries -- texts like Puritan sermons and poetry, captivity narratives, the Declaration of Independence, the essays of Thoreau and Emerson, Adventures of Huckleberry Finn, The Great Gatsby, famous speeches, and 20th century plays. In addition to their work for each class, students complete at least one interdisciplinary project each quarter that synthesizes the ideas of literary and historical texts, important historical events, and the music and/or art of a given era.

The course places great emphasis on the development of critical thinking skills, especially the ability for students to recognize and grapple with enduring values, conflicts, and tensions in American life, and to develop their own essential questions about them. Student-generated essential questions serve as the starting point for their formal and informal writing, including their quarterly interdisciplinary projects. Another central component of the course is its commitment to guiding students through the writing process, which includes the creation of questions and topics, drafting, conferencing and revision.

### **AP ENGLISH LANGUAGE AND COMPOSITION**

**Requirements:** *Approval of English Department Chairperson*

This course is a college-level seminar that introduces students to the literary history of the English language, and provides students with a variety of critical modes with which to analyze literature. Strong emphasis is placed on the student's ability to do close reading and to communicate their ideas in writing. The first semester focuses on the epic and the picaresque novel. The second semester focuses on shorter poetry, drama, and the modern novel. Students will read authors ranging from Sophocles to Shakespeare and modern writers as well.

### **ENGLISH IV: AMERICAN DRAMA AND FILM**

Plays were never meant to be read by someone sitting alone in a chair; they were meant to be watched. American playwrights like Arthur Miller, August Wilson, and Tennessee Williams show us a great deal about human nature and the American experience. This class will be a great chance to put together an interest in history, literature, art, and film as it will take a look at how directors bring these iconic works to life. Along with traditional essay writing, assessments will include film making, design projects and criticisms.

### **ENGLISH IV: BRITISH WRITERS**

Beginning with the ancient epic *Beowulf* and ending with Huxley's *A Brave New World*, the British Writers course explores major literary movements and the creation and development of modern literature as we know it. The course concentrates on a core of literary classics and non-fiction models to explore great themes in literature and how that literature exposes the struggles of a modern people. Over the course of the year, students will be exposed to foundational pieces of literature, but also the contemporary with a focus on the monster stories of *Jekyll and Hyde* and *Frankenstein*. Classwork will include the traditional literary analysis and writing assignments, but also oral presentations and debates. Students will also have an opportunity to view and analyze clips of various film adaptations looking for differences between the author and the screenwriters' vision.

### **ENGLISH IV: LITERATURE OF INDUSTRY**

American capitalism provides us with prosperity, the opportunity to create limitless wealth irrespective of one's background or education, and unparalleled technological advances. It also imperils our society with a vast chasm between the rich and the poor, corporate malfeasance, and wrenching moral and ethical dilemmas. This course will examine these issues as presented in literary works including novels, plays, essays and poetry. Students will focus on two primary areas of concentration: the conflict between labor and management in the context of the Jesuit quest for social justice and the moral and ethical challenges that occur regularly in business and which conflict with principles of Ignatian spirituality. Secondary topics include economic and social mobility and technological innovation.

## **ENGLISH IV: LITERATURE OF POLITICAL THOUGHT**

Through the reading of the Hebrew Bible, Shakespeare, Machiavelli, Greek philosophers, and Lincoln's speeches, this class will explore what it takes to maintain political dominance. Students will consider what we must do in order to govern well. Even more important, students will consider what they must know in order to do so. In other words, what knowledge must be acquired and what societal concerns must be addressed to govern well? Moreover, does great political leadership in democratic times differ in any important way from that seen in the great nations of the past? In addition to introducing students to such political themes, this course also seeks to demonstrate that through the careful reading of diverse genres selected among the great works of the Western canon – a political treatise, a play, a dialogue, a political speech, an historical novel, and portions of the Hebrew Bible – students will come to understand that such foundational texts matter, that seriously thinking through the ideas found in them and considering how they relate to us, aid us in our understanding of the human condition and, therefore, also ourselves.

## **CREATIVE WRITING**

This course will guide students toward the development of a creative voice. Formal course work will center on writing short-stories, but students can expect to delve into poetry, screen-plays, drama, film and creative non-fiction. Students will also gain valuable informal experience editing, in the publishing process, in portfolio development and peer constructive criticism.

## **CATHOLIC AUTHORS (AVLI)**

The Roman Catholic Church is richly blessed with many wonderful authors who write passionately and compellingly about our faith. How many do you know? Augustine, Aquinas, Belloc, Chesterton, Dante, Day, Endo, Finnis, Greene, L'engle, Merton, O'Connor, Percy, Tolkien, and so many more. This course explores several diverse Catholic authors and their works and ideas, hones students' critical reading and interpretative skills, and brings students together from Catholic schools around North America to celebrate our rich literary heritage through individual and group projects and presentations. This course is a semester long course that is offered online through the Arrupe Virtual Learning Institute.

## **MULTIMEDIA AUTHORSHIP (AVLI)**

This course aims primarily to develop communication skills through student expression of his or her ideas using multimedia technology. Students will study models of multimedia composition used by professional and student writers and then create their own multimedia content, pushing the students to a mastery of the concepts and technical skills the composition requires. In order to fully participate in the class, the student must have a computer (Mac or Windows) on which he or she can install new programs. They will also need access to a digital camera. The semester will culminate with each student producing an original, substantive multimedia project on a topic of the student's choice. This course is a semester long course that is offered online through the Arrupe Virtual Learning Institute.



### **THE ART OF DRAMA (AVLI)**

This class investigates how drama works and why we still read and watch plays. What, for instance, does a reader or a director do with that famous stage direction from Shakespeare's *The Winter's Tale*, "Exit, pursued by a bear"? Students will learn to think more broadly than just about drama, and will develop critical writing skills, forming arguments that think beyond the obvious and demonstrate a command of the text. Students will work throughout the semester on a capstone project: a short play of their creation to be handed in at the end of the semester. Those interested should expect to have one hour's worth of work each of six days out of the week including, but not limited to reading, viewing lectures, watching film adaptations of plays, writing essays, posting to a discussion board, and participating in e-meetings. This course is a semester long course that is offered online through the Arrupe Virtual Learning Institute.

### **"YOU SHALL NOT PASS" (AVLI)**

This course is structured like a game, and so is game-driven. We will journey through Middle-earth to engage with the opposing forces of Good and Evil, and the subtle borders that separate them, in one of the twentieth century's most influential works of fiction: *The Lord of the Rings* by JRR Tolkien. To do this, we will take an interdisciplinary approach, using the tools of History, Literature, and Theology. Each day, students can expect to be doing one of three tasks: listening to a video lecture from the teacher, reading from Tolkien's novel and supplementary texts, or writing about their findings. Through forum discussions, we will grapple with the multiple iterations of Good and Evil we find on our journey, and together we will become the historians, literary scholars, and theologians of Middle-earth. This course is a semester long course that is offered online through the Arrupe Virtual Learning Institute.

# Fine Arts Department

Mrs. Megan M. Hoover (Department Chairperson)

Mr. Daniel J. Horstmann

Mr. Robert Fosse-Previs '86

FINE ARTS DEPARTMENT COURSE OFFERINGS			
9 <sup>th</sup> Grade	10 <sup>th</sup> , 11 <sup>th</sup> and 12 <sup>th</sup> Grade (Electives)		
Visual Art	Studio Art I	Studio Art II	Studio Art III
Speech & Theatre	String Orchestra	Symphonic Band	Wind Ensemble
General Music	Select Choir		
String Orchestra			
Select Choir			
Wind Ensemble			
Enrichment Courses Offered Online Through AVLI (10 <sup>th</sup> , 11 <sup>th</sup> and 12 <sup>th</sup> Grade)			
AP Art History*	AP Music Theory*	Digital Photography*	

\* Course is offered online through the Arrupe Virtual Learning Institute. Additional fees apply.

## VISUAL ART

Visual Art is an introductory art course that provides for the study of the history and appreciation of art combined with studio exercises. This one credit course presents a core of visual and aesthetic activities essential to understanding the visual arts discipline. Students in this course will study the elements and principles of art and design, composition and various drawing and painting techniques. Assessments will include written critiques, reports, presentations, tests and quizzes as well as art projects. A midterm and final exam are given in class. Participation in Fairfield Prep's art exhibitions is required.

## STUDIO ART I

**Requirements:** Approval of Fine Arts Department Chairperson

Studio Art will provide students with the opportunity to continue developing their skills in the methods and techniques of drawing and painting in a studio environment, and to develop their original and creative expression in visual, plastic and graphic arts. The class structure will be student oriented including a process of "contract" assignments. The first semester will be devoted to the preparation of a portfolio; an emphasis will be given to particular drawing and painting skill, paralleling the investigation of the "Masters." Students will experiment with a variety of painting styles and techniques in their own work. In the second semester, students will explore the basics of graphic design and the computer software that is currently used in the field to produce ads, posters, business, brochures, cards and letterhead. Assessments will include formal critiques, PowerPoint presentations, quarterly reports and quizzes. Grades are based on timely completion of all assignments and are judged on an individual basis with consideration given to the variety of style and artistic ability.

## STUDIO ART II

**Prerequisites:** Studio Art I

**Requirements:** Approval of Fine Arts Department Chairperson

Studio Art II is an extension of Studio Art I with students working independently on projects of their design. The primary focus is the further development of the student artist in their chosen area(s) of interest. Students envision and create their own projects based on mediums and styles they've been exposed to through Visual Art and Studio Art I.

### **STUDIO ART III**

*Prerequisites: Studio Art II*

*Requirements: Approval of Fine Arts Department Chairperson*

The first semester of Studio Art III is focused on developing an art portfolio for the college admissions process. Students develop both digital and traditional art portfolios for presentation. Throughout the second semester, students continue to create and develop new works of art based on their inspirations and interests.

### **SPEECH AND THEATRE**

This course is invaluable to all students as how they present themselves will be an integral part of their academic and professional future. The skills taught in this course will give students an edge in class presentations, group work, and writing. In the first semester, students will focus on presence and performance in front of an audience. Using the link between public speaking and performing as an actor, students will develop confidence and dynamism in front of an audience. Students will develop their skills in front of an audience through work on great speeches from history, delivering special occasion speeches like toasts, and taking on a role in short scenes. In the second semester, students will reinforce these skills through a study of the art of theatrical performance. Students will examine the various elements of the theatre—design, playwriting, and directing—experimenting with each and exploring how they work together. Through participation in workshops, students put their knowledge into action, designing sets, creating costumes, and writing short plays. With this background, students will analyze dramatic texts, and create a final scene study project.

### **GENERAL MUSIC**

This freshman level course offers a non-performance-based approach to learning about music. Students enrolled in this course will explore music history, music theory, and music technology. They will participate in nonperformance aspects of the concerts, and are responsible for both mid-year and final exams.

### **SYMPHONIC BAND**

*Requirements: Approval of Fine Arts Department Chairperson*

Symphonic Band is an advanced level performance group that includes all brass, woodwind, and percussion instruments (piano *not* included). Students are encouraged to participate in Western Regional and All-State competitions, and are expected to perform at the two annual concerts and all Pep Band events during the school year. They are also encouraged to take private lessons. This ensemble performs medium to advanced-level music.

### **STRING ORCHESTRA**

*Requirements: Approval of Fine Arts Department Chairperson*

String Orchestra is an advanced level performance group that includes all classical string instruments (violin, viola, cello, upright bass). Students are encouraged to participate in Western Regional and All-State competitions, and are expected to perform at the two annual concerts during the school year. They are also required to take private lessons. This ensemble performs medium to advanced level music.

## **WIND ENSEMBLE**

**Requirements:** *Approval of Fine Arts Department Chairperson*

Wind Ensemble is a beginner intermediate level performance group that includes all brass, woodwind, and percussion instruments (piano *not* included). In this ensemble, students solidify their understanding of the basic performing rudiments and playing techniques. Students are encouraged to participate in Western Regional and All-State competitions, and are expected to perform at the two annual concerts and all Pep Band events during the school year. They are also encouraged to take private lessons. This ensemble performs easy- to medium-level difficulty music.

## **SELECT CHOIR**

**Requirements:** *Approval of Fine Arts Department Chairperson*

This is an advanced level performance chorus. Students are encouraged to participate in Western Regional and All-State competitions, and are expected to perform at the two annual concerts and other Music Department events during the school year. They are also encouraged to take private lessons. This ensemble performs easy-to advanced level difficulty music.

## **AP ART HISTORY (AVLI)**

The AP Art History course explores topics such as the nature of art, its uses, its meanings, art making, and responses to art. Through investigation of diverse artistic traditions of cultures from prehistory to the present, the course fosters in-depth and holistic understanding of the history of art from a global perspective. Students learn and apply skills of visual, contextual, and comparative analysis to engage with a variety of art forms, constructing understanding of individual works and interconnections of art-making processes and products throughout history. Coursework is rigorous and will prepare students to sit for the AP Art History College Board exam in the spring. There is also an optional study abroad opportunity to travel to Paris in the spring where we will experience first-hand the art and architecture studied throughout the year. This course is a yearlong course that is offered online through the Arrupe Virtual Learning Institute.

## **AP MUSIC THEORY (AVLI)**

This course corresponds to the introductory college music theory class. Topics to be covered include musicianship, reading and writing musical notation, musical materials, and procedures. The course sequence involves aural skills, sight-singing, melodic and rhythm dictation, aspects of melody, keyboard harmony, musical form analysis, and elementary composition. The goal is to develop the ability to recognize, understand and describe basic materials and processes of music that are heard or presented in a musical score. Students who complete this course are encouraged and eligible to take the AP Music Theory examination in the spring. This course is a yearlong course that is offered online through the Arrupe Virtual Learning Institute.

## **DIGITAL PHOTOGRAPHY (AVLI)**

Digital Photography is a semester course designed for beginning photographers. Students will learn the basics of photography and fine-tune their camera skills. The course will also cover composition and the principles of design that work to create an aesthetically pleasing photo. The course will not cover photo editing and retouching, but will focus on getting good images that don't need editing. Students must have a Digital SLR camera. This course is a semester long course that is offered online through the Arrupe Virtual Learning Institute.

# Guidance Department

Mr. John A. Hanrahan (Department Chairperson)  
Lynne W. Chesbro  
Peter M. Francini '00

Suzanne H. Gorab  
Richard C. Hutchinson '87, P'22

GUIDANCE DEPARTMENT COURSE OFFERINGS			
9 <sup>th</sup> Grade	10 <sup>th</sup> Grade	11 <sup>th</sup> Grade	12 <sup>th</sup> Grade
Freshman Guidance Seminar	Sophomore Guidance Seminar	Junior Guidance Seminar	Senior Guidance Seminar

## FRESHMAN GUIDANCE SEMINAR

Topics Include: Introduction to the Guidance Department and review of guidance procedures, transitioning to high school, academic success skills, time management, transcript review, goal setting, pillars of character, accepting responsibility, preparing for mid-term & final exams, course registration, substance abuse, stress management, peer interactions, establishing and maintaining healthy relationships, end of year reflection and evaluation.

## SOPHOMORE GUIDANCE SEMINAR

Topics Include: Goal setting, preparation for PSAT, PSAT score report review, practice ACT exercise, first quarter self-evaluation, substance abuse, semester exam preparation, personality inventory, career/ major exploration, preliminary college search resume building through Naviance. Sophomores also discuss course registration, establishing and maintaining healthy relationships, substance abuse, sexual responsibility and final exam preparation.

## JUNIOR GUIDANCE SEMINAR

Topics Include: PSAT preparation, review of PSAT, developing SAT/ACT strategy, review of factors essential in college admissions, exploring college majors and careers, college search through Naviance, preparation for the college application process, the campus visit, the admissions interview, the college essay, senior course selection, the junior interview and developing a college list, finalizing an activities resume and review of junior/senior summer activities to prepare for application procedures of the Fall.

## SENIOR GUIDANCE SEMINAR

Topics Include: College application procedures, finalizing college lists, determining application strategy in regard to Early Action, Early Decision, rolling and regular admissions options, the college application essay(s), teacher evaluations, counselor recommendations, application filing procedures and orientation to the personal, academic and social challenges of college. Seniors meet in groups to begin the year and then proceed in the application process through individual meetings with their college advisor. The year concludes with a *transition to college* program.

# Innovation Department

Mr. Carlos A. Mesquita

INNOVATION DEPARTMENT COURSE OFFERINGS			
9 <sup>th</sup> Grade	10 <sup>th</sup> Grade	11 <sup>th</sup> Grade	12 <sup>th</sup> Grade
Foundations of Technology & Coding	Web Development or Game Development	Web Development or Game Development	Computer Programming
Enrichment Courses Offered Online Through AVLI (10 <sup>th</sup> , 11 <sup>th</sup> and 12 <sup>th</sup> Grade)			
AP Computer Science*	C++ Programming*	Computer Game Development*	Computer Science Principles*
Database Development for Real World Problems*	Playing with Legos: Computer Programming Through Lego Building*	Understanding Artificial Intelligence: The Science and the Morality*	

\* Course is offered online through the Arrupe Virtual Learning Institute. Additional fees apply.

## FOUNDATIONS OF TECHNOLOGY AND CODING

Foundations of Technology and Coding is a required one semester or summer course for all freshman and transfer students. The first part of this course will introduce students to the iPad as an educational tool. Students will enroll in all necessary systems and learn about important school wide iPad apps including, but not limited to, Schoology, Google Drive, Notability, Pages, Numbers, and Keynote. Students will also learn about Digital Citizenship. The second part of this course will introduce students to coding languages including, but not limited to, Swift, Java and Python.

## WEB DEVELOPMENT

**Prerequisites:** *Foundations of Technology and Coding*

Web Development is an elective course that will explore basic and intermediate web design and development. Topics will include, but will not be limited to, HTML, CSS, JavaScript, Bootstrap, responsive design, and version control.

## GAME DEVELOPMENT

**Prerequisites:** *Foundations of Technology and Coding*

Game Development is an elective course that will explore topics in game design and development. Student will explore object-oriented programming languages with a focus in game design and development. Topics will include, but will not be limited to, algorithms, data structures, game design, version control, testing, and agile development.

## COMPUTER PROGRAMMING

Computer Programming is an elective course for upperclassmen that will incorporate the Java language. Topics will include, but will not be limited to, object-oriented program design, programming, coding, data structures, operations and algorithms.

### **AP COMPUTER SCIENCE (AVLI)**

This course is a college level introduction to object-oriented programming in Java. Students will focus on a problem-solving approach designed to focus attention on programming algorithms and data structures. Students will be fluent in the syntax and logic structures of the Java programming language as well as familiar with the Java API. Students will attempt difficult programming challenges, reflect on these exercises, and share their discoveries with their peers. In the spring, students will be eligible to take the AP Computer Science A Exam offered by the College Board at their school. This course is a yearlong course that is offered online through the Arrupe Virtual Learning Institute.

### **C++ PROGRAMMING (AVLI)**

This course will introduce students to computer programming using the C++ programming language. C++ is a programming language used in many applications, across many different industries. Through this course, students will learn the basic syntax necessary to write a computer program. They will learn how to attack a problem using the proper planning techniques. Students will learn about control structures, loops, procedures, arrays and much more. Another important aspect of this course is learning how to collaborate with other students. Each student will be put in a group of three and will work together to meet the objectives of the module. Collaborating with other students is essential to success of students in this course, as well as a much needed life skill. This course is a semester long course that is offered online through the Arrupe Virtual Learning Institute.

### **COMPUTER GAME DEVELOPMENT (AVLI)**

This course explores the process of game development, the principles of game design, styles/genres of computer games, techniques for game software engineering, and information about the computer game industry. Emphasis will be on pragmatic advice for game designers, together with techniques for game balance and analysis. Students will design and playtest a game as a course project. Group work is emphasized, especially the importance of collaboration between technical and artistic efforts. Students are expected to participate in game development using appropriate game development tools. This course is a semester long course that is offered online through the Arrupe Virtual Learning Institute.

### **COMPUTER SCIENCE PRINCIPLES (AVLI)**

This course will introduce students to a wide array of important computer science topics. It is hoped that students will learn the ideas and practices of computational thinking, and also how computers are impacting the world around us. Topics that will be covered include basic computer vocabulary, bits and bytes, programming, abstraction, internet and networking. Another important aspect of this course is learning how to collaborate with other students. Each student will be put in a group of three and will work together to meet the objectives of the module. Collaborating with other students is essential to success of students in this course, as well as a much needed life skill. This course is a semester long course that is offered online through the Arrupe Virtual Learning Institute.

### **DATABASE DEVELOPMENT FOR REAL WORLD PROBLEMS (AVLI)**

This course introduces students to Microsoft Access in order to teach database and programming concepts and will show how to use Access as a real world problem-solving tool through the building of an actual database. Access is part of the Microsoft suite and allows you to organize, manage, collect, analyze, and report on data using 'objects' within Access that you learn to design and build. Students will organize and develop a database throughout the course based on an idea from their school or personal life. Past students have built databases on topics as wide ranging as tracking and rating recipes, entering college applications and showing college acceptance/financial aid, and rankings of different brands and types of audio headphones. This course is a semester long course that is offered online through the Arrupe Virtual Learning Institute.

### **PLAYING WITH LEGOS: COMPUTER PROGRAMMING THROUGH LEGO BUILDING (AVLI)**

This project-oriented course is designed for students with no previous computer programming experience who want to learn the fundamentals of coding through an interactive graphics-oriented environment called Bricklayer. Using virtual bricks (i.e. Legos) to build progressively sophisticated 2D and 3D models, students will learn basic coding concepts such as functions, parameters, conditional expressions, basic data structures, and debugging. The culminating student project will be a 3D artifact that will be imported for viewing in Minecraft. (PC or Mac Computer required.) This course is a semester long course that is offered online through the Arrupe Virtual Learning Institute.

### **UNDERSTANDING ARTIFICIAL INTELLIGENCE: THE SCIENCE AND THE MORALITY (AVLI)**

This course explores the reality of machine learning in particular and applications of artificial intelligence systems generally. It also examines the moral implications and boundaries of AI in a just society. Machine learning is the study of algorithms and statistical models that computer systems use to perform tasks without using explicit instructions, relying on patterns and inference instead. Students will explore how AI can help human beings, what threats exist, and how to balance what can be done with what should be done. This course is a semester long course that is offered online through the Arrupe Virtual Learning Institute.



# Mathematics Department

Ms. Maureen A. Bohan (Department Chairperson)

Mrs. Amy Ardito

Mrs. Katherine E. Brennan

Mr. Brian A. Chap

Mr. Timothy G. Dee

Mr. John T. Meyers '13

Mrs. Maura R. O'Connor P'14, '19

Mrs. Tracy K. Owens

Mr. Jamie Whiteman P'15, '18

MATH DEPARTMENT COURSE OFFERINGS			
9 <sup>th</sup> Grade	10 <sup>th</sup> Grade	11 <sup>th</sup> Grade	12 <sup>th</sup> Grade
Honors Algebra II	Honors Pre-Calculus with Introductory Calculus	AP Calculus BC	Multivariable Calculus*
Algebra II	Honors Pre-Calculus	AP Calculus AB	Linear Algebra*
Honors Geometry	Pre-Calculus	Calculus	AP Calculus BC
Geometry	Honors Algebra II	Honors Pre-Calculus with Introductory Calculus	AP Calculus AB
Honors Algebra I	Algebra II	Honors Pre-Calculus	Calculus
Algebra I	Honors Geometry	Pre-Calculus	Honors Pre-Calculus with Introductory Calculus
	Geometry	Honors Algebra II	Honors Pre-Calculus
		Algebra II	Pre-Calculus
		Calculus	Introductory Pre-Calculus with Trigonometry
			AP Statistics
			Statistics
Enrichment Courses Offered Online Through AVLI (10 <sup>th</sup> , 11 <sup>th</sup> and 12 <sup>th</sup> Grade)			
Statistical Reasoning in Sports*			

\* Course is offered online through the Arrupe Virtual Learning Institute. Additional fees apply.

## HONORS ALGEBRA I

**Requirements:** Approval of Mathematics Department Chairperson

Students learn how to solve problems using variables, work with exponents, factor polynomials and simplify rational and irrational expressions. Students solve linear equations and inequalities as well as radical and quadratic equations. Students learn to graph various types of functions and how to solve word problems using algebra. The Honors level course will challenge students with an accelerated pace, in depth study of important concepts, and application to real world situations.

## ALGEBRA I LEVEL 2

Students learn how to solve problems using variables, work with exponents, factor polynomials and simplify rational and irrational expressions. Students solve linear equations and inequalities as well as radical and quadratic equations. Students learn to graph various types of functions and how to solve word problems using algebra.

### **ALGEBRA I LEVEL 3**

Students learn how to solve problems using variables, work with exponents, factor polynomials and simplify rational and irrational expressions. Students solve linear equations and inequalities as well as radical and quadratic equations. Students learn to graph various types of functions and how to solve word problems using algebra. The Level 3 course provides students with the opportunity to spend more time studying fundamental concepts to ensure success in future math courses.

### **HONORS GEOMETRY**

**Requirements:** *Approval of Mathematics Department Chairperson*

Students study spatial relationships in two and three dimensions and inductive and deductive reasoning. They study theorems involving parallel lines, congruent triangles, similar triangles, and circles. Students learn right triangle trigonometry and area and volume formulas. The Honors level course will challenge students with an accelerated pace, in depth study of important concepts, and application to real world situations.

### **GEOMETRY LEVEL 2**

Students study spatial relationships in two and three dimensions and inductive and deductive reasoning. They study theorems involving parallel lines, congruent triangles, similar triangles, and circles. Students learn right triangle trigonometry and area and volume formulas.

### **GEOMETRY LEVEL 3**

Students study spatial relationships in two and three dimensions and inductive and deductive reasoning. They study theorems involving parallel lines, congruent triangles, similar triangles, and circles. Students learn right triangle trigonometry and area and volume formulas. The Level 3 course provides students with the opportunity to spend more time studying fundamental concepts to ensure success in future math courses.

### **HONORS ALGEBRA II**

**Requirements:** *Approval of Mathematics Department Chairperson*

Students develop the skills to work in the real and complex number systems. Students study rational and irrational numbers and problem solving with them. Students review linear functions and begin a study of quadratic, exponential and logarithmic functions. Students also study conic sections as well as permutations and combinations. The Honors level course will challenge students with an accelerated pace, in depth study of important concepts, and application to real world situations.

### **ALGEBRA II LEVEL 2**

Students develop the skills to work in the real and complex number systems. Students study rational and irrational numbers and problem solving with them. Students review linear functions and begin a study of quadratic, exponential and logarithmic functions. Students also study conic sections as well as permutations and combinations.

### **ALGEBRA II LEVEL 3**

Students develop the skills to work in the real and complex number systems. Students study rational and irrational numbers and problem solving with them. Students review linear functions and begin a study of quadratic, exponential and logarithmic functions. Students also study conic sections as well as permutations and combinations. The Level 3 course provides students with the opportunity to spend more time studying fundamental concepts to ensure success in future math courses.

## **HONORS PRE-CALCULUS WITH INTRODUCTORY CALCULUS**

**Prerequisites:** Algebra II Honors

**Requirements:** Approval of Mathematics Department Chairperson

Students will cover all topics covered in the Pre-Calculus curriculum, including polynomial, rational, exponential and logarithmic functions, and an extensive study of trigonometry. In addition, students will study limits, rates of change, and derivative rules. Students who successfully complete this course can enroll in AP Calculus AB or BC in their senior year. Students will be expected to complete independent assignments throughout the year.

## **HONORS PRE-CALCULUS**

**Requirements:** Approval of Mathematics Department Chairperson

Pre-Calculus is designed to prepare students for a course in Calculus. One third of the course is spent studying trigonometry. In addition, students continue their study of polynomial, rational, exponential, and logarithmic functions. Students also study basic sequences and series, probability and introductory topics in calculus. The Honors level course will challenge students with an accelerated pace, in depth study of important concepts, and application to real world situations.

## **PRE-CALCULUS**

Pre-Calculus is designed to prepare students for a course in Calculus. One third of the course is spent studying trigonometry. In addition, students continue their study of polynomial, rational, exponential, and logarithmic functions. Students also study basic sequences and series, probability and introductory topics in calculus.

## **INTRODUCTORY PRE-CALCULUS WITH TRIGONOMETRY**

This course includes the study of many topics found in Pre-Calculus and also addresses topics commonly found in required college courses for non-math majors. The pace will allow for review of key algebra and geometry concepts that are needed for success in this course and beyond. Topics will include linear, polynomial, exponential and logarithmic functions as well as major areas of trigonometry including the Unit Circle, Law of Sines, Law of Cosines and basic identities. Applications to these topics will also be included.

## **AP CALCULUS AB**

**Prerequisites:** Honors Pre-Calculus with Introductory Calculus or Honors Pre-Calculus

**Requirements:** Approval of Mathematics Department Chairperson

AP Calculus AB covers all topics outlined in the syllabus written by the College Board. Students study limits, rate of change, derivatives and their applications, and integrals and their applications. These topics are investigated numerically, algebraically and graphically. Students will be prepared to take the AP Calculus AB exam in May.

## **CALCULUS**

Calculus is open to students who have completed Pre-Calculus. This course begins with a brief review of trigonometric functions, natural logarithms and exponential functions. This course includes a study of limits, rates of change, derivatives and an introduction to integrals and selected applications. All topics will be investigated numerically, algebraically and graphically.

## **AP CALCULUS BC**

**Prerequisites:** AP Calculus AB or Honors Pre-Calculus with Introductory Calculus

**Requirements:** Approval of Mathematics Department Chairperson

AP Calculus BC covers all topics outlined in the syllabus written by the College Board. Students will study all topics from AP Calculus AB. Additionally, students will study parametric, polar and vector function; L'Hopital's Rule; Euler's method; applications of integrals; antiderivatives by substitution and parts; improper integrals; Polynomial approximations and series. These topics are investigated numerically, algebraically and graphically. Students will be prepared to take the AP Calculus BC exam in May.

## **MULTIVARIABLE CALCULUS (AVLI)**

**Prerequisites:** AP Calculus BC

**Requirements:** Approval of Mathematics Department Chairperson

Multivariable Calculus is offered online through the Arrupe Virtual Learning Institute (AVLI). Students taking this course will study the fundamental theorems and applications of multivariable calculus. This course will extend the calculus of one-dimension, which is studied in the AP Calculus BC course, to Euclidean spaces of arbitrary dimension. The course will begin with a careful consideration of vectors in  $R^n$ . From there, we will consider the theory of partial derivatives and vector fields. Multiple Riemann integrals will then be considered as well as certain of their applications. Time permitting, the course will conclude with a careful look at the important theorems of vector calculus – namely, the theorems of Green, Gauss, and Stokes. Where applicable, concepts will be presented in full generality. In particular, a nontrivial amount of real analysis and point-set topology will be studied to facilitate studying certain of the multivariable calculus concepts. However, it is hoped that this increased sophistication will allow students to see more clearly how multivariable calculus is a beautiful generalization of the single-variable calculus. Moreover, throughout the course, the instructor will attempt to show students where the abstract mathematics can be applied.

## **LINEAR ALGEBRA (AVLI)**

**Prerequisites:** AP Calculus BC

**Requirements:** Approval of Mathematics Department Chairperson

Linear Algebra is offered online through the Arrupe Virtual Learning Institute (AVLI). This course will cover the essentials of linear algebra. Topics covered will include matrix arithmetic, systems of equations, the determinant function, vectors in  $R^2$  and  $R^3$ , general vector spaces, eigenvalues and vectors, and linear transformations.

## **AP STATISTICS**

**Prerequisites:** Completion of or concurrent enrollment in Calculus or AP Calculus AB

**Requirements:** Approval of Mathematics Department Chairperson

AP Statistics covers all topics outlined in the syllabus written by the College Board. Students will study the major concepts and tools relating to collecting, analyzing, and drawing conclusions from data. Students will be exposed to themes including exploring data, sampling and experimentation, anticipating patterns and statistical inference. The use of a TI-83/84 calculator is integral for this course. Students will be prepared to take the AP Statistics exam in May.

## **STATISTICS**

In this elective course, students will study the major concepts and tools relating to collecting, analyzing, and drawing conclusions from data. Students will be exposed to themes including exploring data, sampling and

experimentation, anticipating patterns and statistical inference. The use of a TI-83/84 calculator is integral for this course.

### **STATISTICAL REASONING IN SPORTS (AVLI)**

The purpose of this course is to learn the foundational concepts and tools of descriptive and inferential statistical reasoning in a fun way. This is an introductory, non-AP course, that covers most of the concepts in an introductory statistics course by working with data from high school, amateur, and professional sports. In our data-saturated world, citizens must be able to ask thoughtful questions, properly analyze data, and, most importantly, use critical thinking skills to draw appropriate conclusions and recognize inappropriate conclusions made by others. A culminating activity will include applying course concepts by analyzing data from a selected school sport activity, assuming approval from school administration and coaching staff. This course is a semester long course that is offered online through the Arrupe Virtual Learning Institute.

## Science Department

Mrs. Deborah A. Kiel P '15 (Department Chairperson)

Mr. Anthony J. Dotolo

Mr. Robert G. Ford P '03, '05

Mrs. Julie Fragnito

Mr. Caleb Jackson

Mrs. Jane O'Reilly

Mr. Stephen Soto

MATH DEPARTMENT COURSE OFFERINGS			
9 <sup>th</sup> Grade	10 <sup>th</sup> Grade	11 <sup>th</sup> Grade	12 <sup>th</sup> Grade
Honors Biology	AP Physics I	AP Physics I	AP Biology
Biology	Honors Physics	Honors Chemistry	AP Chemistry
	Physics	Chemistry	AP Physics I
	Honors Biology	Honors Physics	Environmental Science
	Biology	Physics	
Enrichment Courses Offered Online Through AVLI (10 <sup>th</sup> , 11 <sup>th</sup> and 12 <sup>th</sup> Grade)			
Astronomy: An Introduction*	Principles of Engineering*	AP Environmental Science*	

\* Course is offered online through the Arrupe Virtual Learning Institute. Additional fees apply.

### BIOLOGY

Biology is the "study of life." This course will introduce students to major topics that a biologist studies and the major theories used and applied in their work. Students will be introduced to molecular and cellular biology where students will understand and appreciate common biological topics in the study of the smallest units within biology: molecules and cells. Other topics will be illustrated through the following themes that will recur throughout the course: scientific method, classification of organisms, evolution; structure and function of cells; reproduction and inheritance. The laboratory component of the course includes investigations intended to provide hands-on experiences and reinforce the concepts discussed in class. These include, but are not limited to, computer integrated microscopy, biochemical testing, molecular modeling and some dissection.

### HONORS BIOLOGY

**Requirements:** *Approval of Science Department Chairperson*

Honors Biology will explore the same topics included in Biology at a faster pace and in more depth and detail. Independent work will be required of the students.

### PHYSICS

This course is designed to provide students with the basic concepts and principles of Physics. This conceptual Physics course is designed to take the focus off the Math skills and emphasize the Physics topics. Students will understand the role of physics in explaining natural phenomena and in seeking solutions to scientific and technological problems that citizens of the 21st century will face. Topics include fundamentals of motion, forces, energy, momentum, sound, light, electricity and magnetism. Students will investigate these topics through a variety of classroom activities which include: pre-written and open-ended laboratory experiments; small group

discussions; lectures and note taking; viewing videos; learning and applying problem-solving techniques; and relating physics principles to daily experience. Quarterly STEM projects will be assigned to all students.

## **HONORS PHYSICS**

**Requirements:** *Approval of Science Department Chairperson*

Honors Physics will explore the same topics included in Physics at a faster pace and in more mathematical depth and detail. Students will understand the role of Physics in explaining natural phenomena and in seeking solutions to scientific and technological problems that citizens of the 21st century will face. Independent work will be required of the students.

## **AP PHYSICS I (SOPH / JR)**

**Prerequisites:** *Honors Biology*

**Requirements:** *Approval of Science Department Chairperson*

AP Physics I is an algebra-based, introductory college-level Physics course. Students cultivate their understanding of physics through inquiry-based investigations as they explore these topics: kinematics; dynamics; circular motion and gravitation; energy; momentum; simple harmonic motion; torque and rotational motion; electric charge and electric force; DC circuits; and mechanical waves and sound.

## **CHEMISTRY**

Like physicists, chemists study the fundamental properties of matter and explore the interactions between matter and energy. Chemistry is a science, but it is also used in human communication and interaction, cooking, medicine, engineering, and a host of other disciplines. This course is designed to help students understand basic chemical principles and master problem-solving skills. Students will develop an understanding of how those concepts and skills are relevant to other courses and their daily lives. Chemical topics covered in the course include basic science concepts, measurements, atomic theory, bonding, stoichiometry, states of matter, energy changes, solutions, acids & bases, and nuclear chemistry.

## **HONORS CHEMISTRY**

**Requirements:** *Approval of Science Department Chairperson*

This advanced sequence course will provide students with a more detailed and intricate knowledge of chemistry and will prepare students for the SAT II subject test in Chemistry and entry into the advanced placement program. Major topics of study include: gas laws, atomic and molecular structure, chemical reactions, the periodic table, the separation of substances, nuclear chemistry, organic chemistry, electrochemistry energy in chemical change, and solutions.

## **AP BIOLOGY**

**Prerequisites:** *Biology, Physics and Chemistry*

**Requirements:** *Approval of Science Department Chairperson*

The AP Biology course is equivalent to a two-semester college introductory Biology course. AP Biology is designed to enable students to develop advanced inquiry and reasoning skills, such as designing a plan for collecting data, analyzing data, applying mathematical routines, and connecting concepts in and across domains. The result will be readiness for the study of advanced topics in subsequent college courses — a goal of every AP course. Content, inquiry, and reasoning are equally important in AP Biology; therefore, each learning objective combines content with inquiry and reasoning skills described in the science practices.

## **AP PHYSICS I (SR)**

**Prerequisites:** *Biology, Physics and Chemistry*

**Requirements:** *Approval of Science Department Chairperson*

AP Physics I is an algebra-based, introductory college-level Physics course. Students cultivate their understanding of physics through inquiry-based investigations as they explore these topics: kinematics; dynamics; circular motion and gravitation; energy; momentum; simple harmonic motion; torque and rotational motion; electric charge and electric force; DC circuits; and mechanical waves and sound.

## **AP CHEMISTRY**

**Prerequisites:** *Biology, Physics and Chemistry*

**Requirements:** *Approval of Science Department Chairperson*

AP Chemistry is an introductory college-level chemistry course. Students cultivate their understanding of chemistry through inquiry-based lab investigations as they explore the four Big Ideas: scale, proportion, and quantity; structure and properties of substances; transformations; and energy. The AP Chemistry framework is organized into nine units of study: Atomic Structure, Molecular and Ionic Compound Structure, Intermolecular Forces, Chemical Reactions, Kinetics, Thermodynamics + Applications, Equilibrium, Acids and Bases.

## **ENVIRONMENTAL SCIENCE**

**Prerequisites:** *Biology, Physics and Chemistry*

Environmental Science is an interdisciplinary academic field that integrates physical, biological and information sciences (including ecology, biology, physics, chemistry, plant science, zoology, mineralogy, oceanography, limnology, soil science, geology and physical geography (geodesy), and atmospheric science) to the study of the environment, and the solution of environmental problems. Environmental Science is a laboratory based science course often out in the field, designed to provide students with the content and skills needed to understand the interrelationships found in the natural world. Students will develop skills to identify and analyze environmental problems and to propose and examine solutions. Due to the interdisciplinary nature of Environmental Science, this course will draw on many different disciplines of science including Biology, Chemistry, and Earth Sciences. Topics included in this course are: Earth Systems and Resources, Biotic Systems, Population Dynamics, Land and Water Use, Energy Resources, Pollution, and Global Change. This course will involve many labs, on-site field studies, and off-site field trips.

## **ASTRONOMY: AN INTRODUCTION (AVLI)**

At some point in our lives, each of us has gazed at the night sky in awe of its sheer magnitude. While we have learned much about our planet and its relationship to other celestial bodies, in many ways, the cosmos is the last great frontier. But how did it come to be? How large is it? How much do we know about the universe versus what remains to be discovered? This course provides an introduction to the solar system, stars, the interstellar medium, the galaxy, and the universe. It is also designed to force students to think like scientists – separating fact from theory, studying relationships between objects in search of patterns, and more. Please note that Astronomic principles are grounded in Physics (which is largely grounded in Mathematics). Though students need not have studied Physics previously, they should be prepared to work within this discipline. This course is a semester long course that is offered online through the Arrupe Virtual Learning Institute.



**PRINCIPLES OF ENGINEERING (AVLI)**

This course takes students on a “doing” tour of the discipline of engineering and several of its sub-disciplines including mechanical engineering, electrical engineering and computer engineering. Students will learn the engineering design process and computer aided design and apply it to “hands-on” projects. This course is a semester long course that is offered online through the Arrupe Virtual Learning Institute.

**AP ENVIRONMENTAL SCIENCE (AVLI)**

The goal of the AP Environmental Science course is to provide students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving and/or preventing them. Labs will be coordinated with the student's brick-and-mortar school. In the spring, students will be eligible to take the AP Environmental Science Exam offered by the College Board at their school. This course is a yearlong course that is offered online through the Arrupe Virtual Learning Institute.

## Social Studies Department

Mr. Rudolph J. Mauritz '94 (Department Chairperson)

Dr. Thomas R. de Quesada

Mr. Charles J. Donohue '11

Mr. Keith Hellstern

Mr. Corey Milazzo

Mr. Matthew S. Sather '93

Mr. William T. Shea '72, P '08, '11

Mr. John W. Szablewicz

Mr. John R. Wallace '06

SOCIAL STUDIES DEPARTMENT COURSE OFFERINGS			
9 <sup>th</sup> Grade	10 <sup>th</sup> Grade	11 <sup>th</sup> Grade	12 <sup>th</sup> Grade
Global Studies	AP European History	AP United States History	AP European History
	Honors Asian Humanities	United States History**	AP Government & Politics
	Asian Studies		AP Psychology
	Western Civilization		Principles of Business and Entrepreneurship
			Economics
			Introduction to American Government
			Introduction to Sociology
			Modern Asia
			US History Since 1945
			Modern Middle East
Enrichment Courses Offered Online Through AVLI (10 <sup>th</sup> , 11 <sup>th</sup> and 12 <sup>th</sup> Grade)			
AP Macroeconomics*	AP Microeconomics*	AP World History*	AP Comparative Government & Politics*
Genocide and the Holocaust*	Law & Society*	Model UN and International Relations*	Today's Latin America*

\* Course is offered online through the Arrupe Virtual Learning Institute. Additional fees apply.

\*\* Students enrolled in American Literature are eligible to enroll in the American Studies program (American Literature and American History with the same faculty member)

### GLOBAL STUDIES

Students will gain a general understanding of the histories and cultures of the world and how these histories relate to and affect our own world. Students will study the civilizations of Africa, Asia, Europe, South America and the Middle East. The course will focus on the cultural, social, religious and political developments in each of these areas. The course will address how these developments created the world in which we live today.

### WESTERN CIVILIZATION

In this course, students will explore the heritage of Western Civilization through an examination of the cultural and political contributions of the Ancient World, the Middle Ages and the Renaissance and Modern Era in Europe

and the Americas. Emphasis will be placed on methods of historical inquiry and objectivity in order to reach a true understanding and appreciation of the many contributions of these past eras to our present.

### **ASIAN STUDIES**

This course is designed to expose students to the wonders of the history and culture of India, China, Japan, and Southeast Asia from the time of the earliest civilizations, through the period of Western contact and up to the modern era. By studying the development of Asian social and political institutions, and its great religious and philosophical traditions, students will come to understand the importance of Asian cultures in world history.

### **ASIAN HONORS HUMANITIES**

**Requirements:** *Approval of Social Studies Department Chairperson*

Asian Honors Humanities is a course that will serve as an investigation of the main forces and developments in the history and culture of South, East and Southeast Asia from prehistoric times to the present. Attention will be devoted to the emergence of various Asian ideologies such as Hinduism, Buddhism, Islam, Daoism and Confucianism and their impact on Asian societies. Additionally, other internal and external influences over Asian cultures will be explored, especially major international conflicts resulting from Western imperialism, including the Opium Wars, colonial conflicts in Southeast Asia, the two World Wars, as well as 20<sup>th</sup> century struggles in Korea and Vietnam. In addition, the rise of Asian nationalism and communism will be closely examined, as well as their effects on India, China, Japan, Korea, and Vietnam. Finally, topics related to contemporary Asia will be explored. The Humanities Honors aspect of the course will be attended to by regular projects relating to original or primary documents as well as serious secondary source journal articles by specialists in the field of Asian studies. Students will learn how to work with and interpret those primary and secondary sources in order to draw conclusions in a manner consistent with a college level approach to the subject matter.

### **UNITED STATES HISTORY**

Today the United States ranks as the most influential nation in the world. For many years, the ideals of the American Revolution inspired imitators in the lands far removed from North America. The spirit of American enterprise and the ingenious nature of her technology have been imitated everywhere. But admiration and envy are mixed with hatred and scorn. Many people in developing nations believe that the United States has turned its back on the great revolutionary tradition in which it was born. Instead of trying to pack the course with factual information, the teachers of American History have chosen to select vital elements of the American tradition and to explore them in depth.

### **AMERICAN STUDIES**

American Studies is an interdisciplinary program consisting of paired American History and American Literature classes. In this course, students examine the nation's history and culture through literature, primary and secondary historical documents, art, music, and politics. Starting with the pre-Columbian era and ending in the 20<sup>th</sup> century, students work chronologically and thematically through American fiction and non-fiction texts in an effort to understand the evolution of the United States as a nation, as well as the evolution of the American character and literary tradition. The course prepares students to read and write about a wide range of texts over the span of several centuries -- texts like Puritan sermons and poetry, captivity narratives, the Declaration of Independence, the essays of Thoreau and Emerson, Adventures of Huckleberry Finn, The Great Gatsby, famous speeches, and 20th century plays. In addition to their work for each class, students complete at least one interdisciplinary project each quarter that synthesizes the ideas of literary and historical texts, important

historical events, and the music and/or art of a given era. The course places great emphasis on the development of critical thinking skills, especially the ability for students to recognize and grapple with enduring values, conflicts, and tensions in American life, and to develop their own essential questions about them. Student-generated essential questions serve as the starting point for their formal and informal writing, including their quarterly interdisciplinary projects. Another central component of the course is its commitment to guiding students through the writing process, which includes the creation of questions and topics, drafting, conferencing and revision.

### **AP UNITED STATES HISTORY**

**Requirements:** *Approval of Social Studies Department Chairperson*

AP United States History is a college level course and is designed for students with a serious interest in Social Studies. The course syllabus will be in accordance with College Board guidelines for AP American History and will prepare the student for the AP exam at the end of the year.

### **AP EUROPEAN HISTORY**

**Requirements:** *Approval of Social Studies Department Chairperson*

AP European History is a survey of European History from “The Late Middle Ages to the Dawn of the 21<sup>st</sup> Century.” This course will explore not only the political aspects of Europe’s history, but also the important intellectual, cultural, and economic developments over the last 700 years. Special attention will be devoted to the important conflicts, borrowing of culture and economic interaction between Europe and Asia from the Renaissance to the present. Through lectures, student projects, primary documents, class discussion and exposure to artistic works, students will be provided with the background necessary to understand the important social, cultural and intellectual movements during this period.

### **AP GOVERNMENT AND POLITICS**

**Requirements:** *Approval of Social Studies Department Chairperson*

This AP course is designed to give students a critical perspective on government and politics in the United States. To accomplish this end, the course studies the development of our system of constitutional government, political beliefs and behaviors in the United States, the organization of the National government, civil rights and civil liberties.

### **AP PSYCHOLOGY**

**Requirements:** *Approval of Social Studies Department Chairperson*

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

### **PRINCIPLES OF BUSINESS AND ENTREPRENEURSHIP**

This course will provide authentic and meaningful experiences for students to learn the process of how to bring their original business ideas to fruition. During this course, students will review principles of business (accounting and marketing; learn how to identify an opportunity, evaluate an idea and assess the market, appreciate the risks and rewards of entrepreneurship, develop experiments to validate your idea and refine your business strategy, discover the key financial decisions any entrepreneur must make in the early stages of a new venture, understand the process of raising capital and how to speak to investors, and learn from successful entrepreneurs

and leading venture capitalists, as well as peers. Students will be encouraged to generate their own, original business ideas to develop in this class. Authentic experiences will include real-time presentations to experienced investors drawn from the ranks of successful Prep alumni, and open, shark-tank like competitions such as the Start-up program sponsored by Fairfield University, where students can compete for funding grants ranging into the tens of thousands of dollars.

### **ECONOMICS**

This course introduces students to the concepts of microeconomics, macroeconomics and personal finance. Through this course, students will better understand how economic principles shape the decisions and interactions of individuals and countries. The personal finance portion of the course will focus on the everyday decisions individuals make in regards to managing their income and expenses. To illustrate this, students will be introduced to budgeting, borrowing, the value of credit, banking and investing.

### **INTRODUCTION TO AMERICAN GOVERNMENT**

Introduction to American Government introduces students to key political ideas, institutions, policies, interactions, roles, and behaviors that characterize the political culture of the United States. The course examines politically significant concepts and themes, through which students learn to apply disciplinary reasoning, assess causes and consequences of political events, and interpret data to develop evidence-based arguments.

### **INTRODUCTION TO SOCIOLOGY**

This course will serve as an introduction to the science of society, with an emphasis on modern America. Sociologists study how various social forces and institutions, such as religion, politics, technology and education mold our views about our world and our place in it. Topics for study will include sociological theory, socialization, deviance, stratification, power, and change.

### **MODERN ASIA**

Over the last two centuries the countries of south and east Asia have undergone significant change and considerable turmoil. Imperial dynasties have fallen and traditional cultures have been subjected to foreign domination and radical ideologies. War and conflict have become the norm rather than the exception to it. This course will investigate the main forces which have affected Asia in the modern era. Special attention will be devoted to major international conflicts including the Opium wars, World War II, and the clashes in Korea, Vietnam, and other Asian "hot spots." In addition, the rise of Asian nationalism and communism will be closely examined, as well as the resultant tragedies such as the "killing fields" of Cambodia and failed insurrectionist movements in Indonesia and the Philippines. Finally, recent historical developments will be analyzed including the rise of Japan as an economic power, the pro-democracy movement in China, Burma, and other Asian countries.

### **MODERN MIDDLE EAST**

This first semester course is a study of the Middle East and North Africa from the late 19<sup>th</sup> Century to the present. The region is defined to include the entire Arab world from Morocco in the west to Iraq in the east as well as Iran, Turkey and Israel. The topics of the course will focus on regional conflicts, the Arab-Israeli conflict, and the Palestinian question. Special attention will be placed on U.S. involvement in the Arab-Israeli conflict, dependence on foreign oil, the Iran-Iraq War, The Persian Gulf War, and the War on Terror. The goal of the course is for students to come away with an understanding of the political, cultural, social and economic forces that have shaped the Middle East in the modern world.

### **US HISTORY SINCE 1945**

This second semester course examines the recent events and trends which have shaped the world in which we live. The course will focus on the Cold War, the Civil Rights Movement, the rise of the consumer society, the Vietnam War, and the Reagan Presidency. We will use a variety of sources including textbooks, contemporary readings, music, and films. The goal of the course is for students to acquire a basic understanding of the forces which inform American society and politics today.

### **AP MACROECONOMICS (AVLI)**

How should faithful Catholics think about economics? This course integrates selected themes from the Neoscholastic School of economics with the content of the Advanced Placement economics syllabus in macroeconomics. The course prepares students to do well on the AP Macroeconomics exam as well as offers a way to view our redeemed creation through the prism of social science. The economic way of thinking does not begin with Adam Smith. It is based on insights from Aristotle, St. Augustine, St. Aquinas, the Jesuit and Franciscan theologians at the University of Salamanca in Spain during the sixteenth and seventeenth centuries, and on the Popes' social encyclicals. We develop our understanding of basic economic concepts and analytic tools by anchoring them to our faith's moral traditions and foundations. This course is a semester long course that is offered online through the Arrupe Virtual Learning Institute.

### **AP MICROECONOMICS (AVLI)**

How should faithful Catholics think about economics? This course integrates selected themes from the Neoscholastic School of economics with the content of the Advanced Placement economics syllabus in microeconomics. The course prepares students to do well on the AP Microeconomics exam as well as offers a way to view our redeemed creation through the prism of social science. The economic way of thinking does not begin with Adam Smith. It is based on insights from Aristotle, St. Augustine, St. Aquinas, the Jesuit and Franciscan theologians at the University of Salamanca in Spain during the sixteenth and seventeenth centuries, and on the Popes' social encyclicals. We develop our understanding of basic economic concepts and analytic tools by anchoring them to our faith's moral traditions and foundations. This course is a semester long course that is offered online through the Arrupe Virtual Learning Institute.

### **AP WORLD HISTORY (AVLI)**

AP World History is structured around the investigation of key course themes and concepts in six different chronological periods, from approximately 8000 B.C.E. to the present. These themes, examined across cultures and time periods, include: Interaction between humans and the environment; Development and interaction of cultures; State-building, expansion and conflict; Creation, expansion and interaction of economic systems; Development and transformation of social structures. This course is a yearlong course that is offered online through the Arrupe Virtual Learning Institute.

### **AP COMPARATIVE GOVERNMENT & POLITICS (AVLI)**

The AP course in Comparative Government and Politics introduces students to fundamental concepts used by political scientists to study the processes and outcomes of politics in a variety of country settings. The course aims to illustrate the rich diversity of political life, to show available institutional alternatives, to explain differences in processes and policy outcomes, and to communicate to students the importance of global political and economic changes. Comparison assists both in identifying problems and in analyzing policymaking. This course is a yearlong course that is offered online through the Arrupe Virtual Learning Institute.

### **GENOCIDE AND THE HOLOCAUST (AVLI)**

This course takes a look at both the academic and social constructions of genocide. We will view the Holocaust as the paradigmatic example of, but not only, genocide in modern history. Students will study the causes and

processes of genocide as well as other contemporary crimes against humanity. Students and parents should be advised that this course utilizes intense and disturbing materials. This course is a semester long course that is offered online through the Arrupe Virtual Learning Institute.

### **LAW & SOCIETY (AVLI)**

Law & Society features the study of the political nature of state and federal level courts, while paying particular attention to contemporary issues related to the judiciary. The course will provide a foundation for legal study through surveying the historical development of the courts, controversial issues surrounding the essence of court authority, state and federal court structures and operations, and case study areas related to civil rights and liberties. Students will have the unique opportunity to become acquainted with fundamental aspects of the American legal system, and be afforded educational exposure to issues applicable as both citizens and students in the historical field of law. Class methods will include discussion, lecture, case-summary writing, historical research, and other related techniques. Note: this course is not designed to be the basis of professional legal training. It is a general survey course designed to provide students with historical and contemporary practical learning material. This course is a semester long course that is offered online through the Arrupe Virtual Learning Institute.

### **MODEL UN AND INTERNATIONAL RELATIONS (AVLI)**

Model United Nations is an educational simulation and academic competition in which students learn about diplomacy, international relations, and the United Nations. International Relations is an academic course designed to examine the behavior of nations and states both individually and collectively. When you combine the two—that is, using the Model UN platform to examine the state of International Relations today, you have an interesting, intriguing, and fun way to enhance both your perception of global issues and your position as a citizen of your country and the global community. This is not a course that will drown itself in theory. Rather, it is designed to offer opportunities for students to study modern global issues, and the positions and interactions of nations and states, through research, simulations, discussion, and written assignments. Students are assigned a country at the beginning of the semester and represent that country during simulations, constructing position papers, resolutions, and amendments. Several seminars encourage students to participate in online discussion. Go to Course List to resolve, or perhaps merely to understand better, an issue. Since committee work is such a vital part of the course, significant online interaction via email, video conferencing, or texting is a must for success. Simulations are based on the United Nations format. This course is a semester long course that is offered online through the Arrupe Virtual Learning Institute.

### **TODAY'S LATIN AMERICA (AVLI)**

The goal of this Latin American Studies course is that students obtain a better understanding of the realities within the region. From a comparative analysis and critical perspective, students will identify similarities, parallelisms, and differences of the countries' common origins, confluences of historical processes, and the challenges of social and political issues facing globalization. Topics include Latin American historical backgrounds, culture, identity, economics, and politics. This course is a semester long course that is offered online through the Arrupe Virtual Learning Institute.

## Theology Department

*Mr. Corey Milazzo (Department Chairperson)*

*Mr. Brendan Coffey, S.J.*

*Ms. Kathleen B. Jackson*

*Mr. Kevin J. Kery '00*

*Mr. Sean M. MacKenzie*

*Dr. Charles F. Miller*

*Mr. G. Griffin Reidy '90, P'22*

*Mrs. Michelle M. Smith P'19*

THEOLOGY DEPARTMENT COURSE OFFERINGS			
9 <sup>th</sup> Grade	10 <sup>th</sup> Grade	11 <sup>th</sup> Grade	12 <sup>th</sup> Grade
Theology I: Jesuits, Religions and Covenants	Theology II: The Living Word: Old and New Testaments	Theology III: The Church: Sacraments, Mission & History	Theology IV: Social Ethics and Global & Environmental Justice
			Theology IV: Social Ethics and Economy & Society

### **THEOLOGY I: JESUITS, RELIGIONS AND COVENANTS**

This course begins with a study of the history of the Society of Jesus and Ignatian Spirituality. Students will learn that they are now part of a global network of Jesuit educational institutions. The course also examines what it means to be spiritual and religious in the past and present through a study of the major world religions. Finally, an exploration of the Pentateuch serves as a scriptural foundation for future study.

### **THEOLOGY II: THE LIVING WORD: OLD AND NEW TESTAMENTS**

This course continues the story of the People of God as students explore the post-Exodus Old Testament. Students will learn about the major judges, prophets, and kings of Israel, invasions and exiles, the Temple of Jerusalem, and the promise of the coming Messiah. The second half of the course will begin with an introduction to the New Testament via an exploration of the Gospels. Students will come to see God's "breaking into human history" through the Incarnation and the Holy Spirit's presence amongst the early Christian communities as the fulfillment of the covenants of the Old Testament.

### **THEOLOGY III: THE CHURCH: SACRAMENTS, MISSION AND HISTORY**

Beginning with an investigation of the Acts of the Apostles and the Apostolic Letters, this course completes the progression of Scripture study which began during the freshman course. The junior course continues past the Book of Revelation with an exploration of the Sacraments of the Catholic Church as instituted by Jesus Christ throughout Church history. Throughout the second semester, students will explore the history of The Church and major Ecumenical Councils. The major role of the Holy Spirit as maintainer of Tradition and catalyst for the changes which have built up the People of God throughout the centuries serves as the overall theme for the course.

### **THEOLOGY IV: SOCIAL ETHICS AND GLOBAL & ENVIRONMENTAL JUSTICE**

The first semester of this course will focus on social ethics. The examination of contemporary problems in society is grounded in a study of Christian ethical principles in comparison to other philosophical and religious ethical traditions. The second semester of this course will investigate controversial topics concerning the wellbeing of



the population and the environment with a focus on global awareness and understanding. Throughout the year, the academic components are accompanied by hands-on experience in ongoing community-service projects, which are integrated into the course through regularly scheduled small-group discussions centered upon the lessons, challenges and rewards associated with service to others.

**THEOLOGY IV: SOCIAL ETHICS AND ECONOMY & SOCIETY**

The first semester of this course will focus on social ethics. The examination of contemporary problems in society is grounded in a study of Christian ethical principles in comparison to other philosophical and religious ethical traditions. The second semester of this course will explore moral and ethical issues in connection with the economy, law, business, and public policy. Throughout the year, the academic components are accompanied by hands-on experience in ongoing community-service projects, which are integrated into the course through regularly scheduled small-group discussions centered upon the lessons, challenges and rewards associated with service to others.

## World Language Department

Mrs. Melissa A. Goodwin (Department Chairperson)

Mr. Robert R. Bernier P'15

Mrs. Jennifer Mauritz

Ms. Calla Tiberi

Mr. Jozef E. Tremblay

Mr. Sean M. Whalen

WORLD LANGUAGE DEPARTMENT COURSE OFFERINGS			
French Courses	Latin Courses	Spanish Courses	Enrichment Courses Offered Online Through AVLI (10 <sup>th</sup> , 11 <sup>th</sup> and 12 <sup>th</sup> Grade)
AP French Language & Culture	AP Latin	AP Spanish Literature & Culture	Chinese Mandarin Level I*
Honors French V	Honors Latin III	AP Spanish Language & Culture	Chinese Mandarin Level II*
Honors French IV	Latin III	Honors Spanish IV	Italian Level I*
Honors French III	Honors Intermediate Latin	Honors Spanish III	Italian Level II*
French III	Intermediate Latin	Spanish III	
Intermediate French	Basic Latin	Honors Intermediate Spanish	
Basic French		Intermediate Spanish	
		Basic Spanish	

\* Course is offered online through the Arrupe Virtual Learning Institute. Additional fees apply.

### BASIC FRENCH

The key objective in Basic French is to form a base for acquisition and proficiency, the attainment of which requires a focus on communication with accuracy in a cultural context. The four language skills - speaking, listening, reading and writing - are developed throughout the course. The class is conducted primarily in French with frequent opportunities for students to communicate in French. In addition to the student text, various forms of technology are integrated into the curriculum.

### INTERMEDIATE FRENCH

This course continues to emphasize proficiency acquisition. The course works to improve the student's ability to speak, read, listen and write in French. Students are expected to communicate in French and can expect that the class is taught in French as well. There is a stronger emphasis on grammar within a cultural context. In addition to the student text, various forms of technology are integrated into the curriculum.

### FRENCH III

In this course, the students will refine their knowledge of grammar with more developed, longer creative writing assignments. Oral and listening proficiency will continue to be developed. Literature will be introduced, i.e. short stories and contemporary poetry from the Francophone World. Students will develop an understanding and

appreciation of the Francophone world through a variety of cultural activities. The class is taught in French and students are expected to communicate in French. In addition to the student text, various forms of technology are integrated into the curriculum.

### **HONORS FRENCH III: ADVANCED FRENCH GRAMMAR AND INTRODUCTION TO FRENCH LITERATURE**

**Requirements:** *Approval of World Language Department Chairperson*

Honors French III is an advanced language course. Students will develop a deeper understanding of advanced grammar. This course works to enrich a student's vocabulary and increase their ability to comprehend both spoken and written French. Students in the honors section will begin to evaluate writing in response to classical as well as contemporary literature. In addition to the study of advanced grammar and composition, students read *L'Étranger* (Camus) and other literature and write papers in response. In most cases, students in this course are preparing for the AP French course in the following year.

### **HONORS FRENCH IV: FRENCH CULTURE AND CIVILIZATION / HONORS FRENCH V: ADVANCED CULTURE AND FRANCOPHONE LITERATURE**

**Requirements:** *Approval of World Language Department Chairperson*

This is an elective course for those students who have completed either Honors French III or AP French. It is designed for advanced language students who wish to continue their study of French. The course will work to build proficiency through the exploration of culture, current events, and Francophone literature. Students are expected to be motivated, independent learners as the course will include some project based learning. Students are expected to communicate in French.

### **AP FRENCH LANGUAGE AND CULTURE**

**Requirements:** *Approval of World Language Department Chairperson*

The AP French Language course is an advanced course designed to prepare students for the College Board AP Exam by expanding the student's oral, listening, speaking, and writing proficiency. Students build proficiency in various modes of communication including two-way interactions in writing and speaking, interpretation of audio, audiovisual, and print materials and an oral and written presentation of information and ideas. Proficiency in French language will be developed through the exploration of a variety of interdisciplinary themes relating to French culture. These themes outlined by the College Board will be explored through the use of authentic texts, poems, plays, music, and video and will prepare students for the AP exam while building their ability to speak and comprehend both written and spoken French. The class is conducted entirely in French and it is expected that students will communicate in French. All juniors enrolled in this course are required to take the AP exam.

### **BASIC LATIN**

This course is an introduction to the language, history, and civilization of Ancient Rome. Students explore the basics of the Latin language and vocabulary and its impact on the English language and vocabulary. Emphasis is placed on reading and writing basic Latin sentences and passages.

### **INTERMEDIATE LATIN**

In this course, students continue their acquisition of Latin grammar and vocabulary, with special emphasis placed on more complex grammatical structures, such as participles, infinitives, and the subjunctive mood. Students continue to compose in Latin, using the more complex grammatical structures. Students begin to read legends in Latin and adaptations of authentic Latin authors such as Livy.

### **HONORS INTERMEDIATE LATIN**

**Requirements:** *Approval of World Language Department Chairperson*

In this course, students complete their acquisition of Latin grammar and vocabulary, with special emphasis placed on complex grammatical structures, such as participles, infinitives, and the subjunctive mood. Students compose to a greater degree in Latin, using the more complex grammatical structures. Students begin to read authentic Latin from authors such as Livy and Pliny the Younger.

### **LATIN III: PROSE, HEROES AND LEGENDS**

This course includes an extensive review of all Latin grammar and syntax, followed by exploration of Roman myths and legends, read in the original Latin language. In addition, students read authentic works from authors such as Ovid and Pliny the Younger.

### **HONORS LATIN III: LITERATURE OF THE LATE REPUBLIC AND THE AGE OF AUGUSTUS**

**Requirements:** *Approval of World Language Department Chairperson*

Following a brief review of Latin grammar and syntax, students pursue a survey of Latin prose and poetry in the unadapted works of several Roman authors, such as Caesar, Cicero, Ovid, and Vergil. Late in the year, students begin the AP Latin curriculum in preparation for the AP Latin course.

### **AP LATIN**

**Requirements:** *Approval of World Language Department Chairperson*

The AP Latin course promotes reading of Latin poetry and prose with historical and literary sensitivity by reading Caesar's Gallic War and Vergil's Aeneid. Students are encouraged to develop linguistic skills by engaging in multiple activities: translating poetry and prose from the required-reading list, precisely and literally, reading passages of poetry and prose with comprehension and analyzing literary texts in clear, coherent written arguments supported by textual examples.

### **BASIC SPANISH**

This course is designed to help students master the phonology of the Spanish language and to teach him how to converse in Spanish, comprehend normal conversation of native speech and to be able to manipulate the language he has learned in an original, creative and spontaneous manner. Introduction to culture is implicit in the course.

### **INTERMEDIATE SPANISH**

This course is designed to help students improve their ability to speak and understand Spanish while introducing him to the reading skill through contemporary cultural selections. The student will expand his vocabulary. Grammar is presented and writing of a controlled nature is begun as well as listening comprehension activities.

### **HONORS INTERMEDIATE SPANISH**

**Requirements:** *Approval of World Language Department Chairperson*

This course is designed for students who excelled in Basic Spanish. In addition to the goals of Intermediate Spanish, students in Honors Intermediate Spanish will pursue a study of Spanish grammar at a faster pace and in

greater depth. This course is conducted in Spanish to the greatest degree possible, and the main objective is to develop the student's ability in the four major language skills: speaking, listening, reading and writing.

### **SPANISH III**

This course is designed to help students improve and refine their ability to understand and speak Spanish. Reading of literary selections is designed to help students expand their knowledge of Hispanic culture and literature as well as vocabulary and modern idiom. Students are engaged in a comprehensive review of grammar. Heavy emphasis is placed on speaking, listening comprehension, and reading skills.

### **HONORS SPANISH III: ADVANCED GRAMMAR AND INTRODUCTION TO LITERATURE**

**Requirements:** *Approval of World Language Department Chairperson*

This course is designed for students who have excelled in Honors Intermediate Spanish or Intermediate Spanish. In addition to those aims described for Spanish III, preparation for the AP Spanish course is an essential aim of Honors Spanish III.

### **HONORS SPANISH IV: MODERN HISPANIC LITERATURE**

**Requirements:** *Approval of World Language Department Chairperson*

This upper level elective course is offered to students who wish to continue their study of Spanish at the pre-AP level. Students will study advanced Spanish literature, the focus of which will be the comprehension of the writing styles and techniques of a variety of authors.

### **AP SPANISH LANGUAGE AND CULTURE**

**Requirements:** *Approval of World Language Department Chairperson*

The AP Spanish Language and Culture course emphasizes communication (understanding and being understood by others) by applying interpersonal, interpretive, and presentational skills in real-life situations. This includes vocabulary usage, language control, communication strategies, and cultural awareness. The AP Spanish Language and Culture course strives not to overemphasize grammatical accuracy at the expense of communication. To best facilitate the study of language and culture, the course is taught almost exclusively in Spanish. The AP Spanish Language and Culture course engages students in an exploration of culture in both contemporary and historical contexts. The course develops students' awareness and appreciation of cultural products (e.g., tools, books, music, laws, conventions, institutions); practices (patterns of social interactions within a culture); and perspectives (values, attitudes, and assumptions).

### **AP SPANISH LITERATURE AND CULTURE**

**Requirements:** *Approval of World Language Department Chairperson*

**Prerequisites:** *AP Spanish Language and Culture*

The AP Spanish Literature and Culture course uses a thematic approach to introduce students to representative texts (short stories, novels, poetry, and essays) from Peninsular Spanish, Latin American, and United States Hispanic literature. Students develop proficiencies across the full range of communication modes (interpersonal, presentational, and interpretive), thereby honing their critical reading and analytical writing skills. Literature is examined within the context of its time and place, as students reflect on the many voices and cultures present in the required readings. The course also includes a strong focus on cultural connections and comparisons, including exploration of various media (e.g., art, film, articles, literary criticism).

**CHINESE MANDARIN LEVEL I (AVLI)**

This course combines the study of the Chinese language with an introduction to Chinese culture. Students will gain practical experience in speaking Mandarin with proper pronunciation using the pinyin system to acquire basic conversational skills. Students will learn basic vocabulary and sentence patterns used in daily life and social interaction. Culture notes will be given along with speaking practice necessary for interpersonal communication. In addition, a certain amount of Chinese written characters are studied with a fun approach. This course is a yearlong course that is offered online through the Arrupe Virtual Learning Institute.

**CHINESE MANDARIN LEVEL II (AVLI)**

Mandarin Level 2 builds on the grammar, writing, and conversational skills established in Mandarin Level 1. This course is a yearlong course that is offered online through the Arrupe Virtual Learning Institute.

**ITALIAN LEVEL I (AVLI)**

Introduction to the basics of conversational Italian, including nouns, regular and irregular verbs, and basic conversations from Italian to English and English to Italian. This course will be team taught with by an Italian teacher in the United States and an English teacher in Italy. Students will communicate in Italian with native speakers in Italy. Successful completion of Italian 1 is a prerequisite for admission into Italian 2, 3, and AP Italian. This course is a yearlong course that is offered online through the Arrupe Virtual Learning Institute.

**ITALIAN LEVEL II (AVLI)**

Italian Level 2 builds on the grammar, writing, and conversational skills established in Italian Level 1. This course is a yearlong course that is offered online through the Arrupe Virtual Learning Institute.