



POPE  
FRANCIS  
PREPARATORY  
SCHOOL

## COURSE CATALOG

2021-2022

*Pope Francis Preparatory School Mission Statement*

*Pope Francis Preparatory School is a Catholic co-educational, college-preparatory school which instills Gospel values and fosters academic excellence in a diverse community of learners.*

*Our mission is to challenge students to grow spiritually, intellectually, socially, and physically to become critical thinkers and faith-based leaders who embody justice, peace, service, and mercy in the global community.*

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## Course Selection Process

### INCOMING FRESHMEN

Incoming freshmen will receive information about the scheduling process during a freshmen scheduling session. Students and parents should review the Course Catalog in order to find out more about courses and prerequisites. Based on this information, combined with results from the HSPT and the student's middle school record, students will be scheduled into core courses, and can select electives based on their interests. There may also be additional placement tests required for certain academic areas such as world language and math; these tests are held in May or June. Transfer students will go through a similar process but will not be required to take the HSPT.

### CURRENT STUDENTS

Current students will receive information about electronic scheduling and new course offerings. After this session, students will consult with their guidance counselor about requirements and prerequisites and then fill out a course selection sheet online. This sheet must be reviewed and submitted by both the student and parent. There are no exceptions for meeting prerequisites.

### ALL STUDENTS

It is important to consider an entire academic year during the course selection process. The transition from one grade to another involves a gradually increasing level of sophistication of concepts, skills and acquiring mastery of these. Students that are involved in extracurricular activities also have to consider the time commitment that these activities require.

It is imperative that careful consideration be given to the choice of classes and a commitment to a schedule for the following year. Student registration for courses impacts the allocation of teaching personnel. Students may not drop or change a course unless an *exceptional situation* exists. This decision will be made by the Assistant Head of School after consultation with the student's guidance counselor, the department chair and the teacher. *With few exceptions, changes to schedules must be completed within the first two weeks of the semester.* Any changes after this point will result in a W or F placed on the student's transcript. VHS class enrollment should be completed by the end of June and December.

## Academic Planning

The program offered at Pope Francis Preparatory School is designed to prepare students for post-secondary success, as well as a comprehensive high school education. The requirement for graduation is 28 credits. The following are required:

English	4.0 credits
Mathematics	4.0 credits
Theology	4.0 credits
Science	3.0 credits
World Language	2.0 credits
Social Studies	3.0 credits (incl Civics Class of 2024 and beyond)
Fitness/Wellness	1.0 credit
Technology	0.5 credit - Digital Literacy Foundations required Class of 2025 & beyond

## **Advanced Placement Program**

The College Board's Advanced Placement Program is an opportunity for students to pursue college-level study in high school. College admissions officers view AP studies as an indicator of college success. Participation in an AP course is, therefore, a great advantage to any student. Students enrolled in AP classes will prepare to take the AP exam in the spring. There is a fee for the exam. Pope Francis Preparatory School offers the following AP courses:

AP English Language and Composition	AP Calculus BC
AP English Literature and Composition	AP Physics 1
AP United States History	AP Chemistry
AP Statistics	AP Biology
AP Calculus AB	AP Studio Art

## **Pope Francis Academic Pathways**

Education at PFPS is future oriented and focused on college preparedness. In order to make students' four-year experience more meaningful, students may choose to study within an Academic Pathway. All students at PFPS must fulfill the school's core requirements for graduation. Students, who select an Academic Pathway, will also focus their studies in a certain academic area that will lead to a demonstration of proficiency and commitment to a concentration of study. Students enrolled in the Pathways program will attend field trips and shadow days, meet with community leaders, establish mentorships and participate in internships. Students successfully completing the requirements of an Academic Pathway will have this designated on their final transcript and will be recognized at graduation with a distinctive colored cord. More information about Academic Pathways can be found on the school's website.

Pathway Concentrations include the following:

- Civic Engagement
- Health Sciences
- Performance and Fine Arts
- Environmental Sciences
- Communications
- S.T.E.M.
- Vocations



## **Class Level Expectations**

**College Prep** students can expect more time spent on content within the discipline as well as more structured instruction within the classroom. These classes are rigorous and will thoroughly cover the requisite material found within the curriculum. Skill development is emphasized, as well as content acquisition.

**Honors** students are challenged to work at an accelerated pace with advanced material. Students are expected to be motivated and able to work with some degree of independence. The amount of preparation required for the class might include more extensive reading and writing assignments; assessments or tests may differ in their format and difficulty level; higher level critical thinking and reasoning skills are expected; science labs may be extended and might require greater analysis of information. Students who want to challenge themselves are encouraged to register for these classes.

**Advanced Placement** students can expect courses that are specially designed for high school students seeking to earn college credit or simply take a more challenging course. The classes are generally considered to be comparable with college-level requirements and have a very rigorous curriculum. Students are expected to work independently, prepare thoroughly and be very proactive about their studies. Students can attempt to earn college credit by taking the AP exam at the end of the school year in May. These exams are administered by The College Board, the same company that administers the SAT. AP Exams are graded on a scale of 1 to 5. You must score a 3, 4, or 5 (depending on the college to which you are applying) in order to get college credit. Some colleges will recognize a grade of 3 as qualifying for credit. Most, though, require a 4 or 5. Students must pay the AP exam fee.

## **Elms College Course Opportunity**

Pope Francis Preparatory School and Elms College have joined together to offer qualified juniors and seniors the opportunity to take a three credit college course at Elms College for a nominal fee of \$75 per course, per semester. Our students have the ability to acquire 12 college credits even before they receive their high school diploma. Many of these credits will be accepted at a variety of colleges. It is an exciting opportunity and one in which dozens of our students have done well. See Guidance for an application.

## **Theology Department**

In the words of Pope Francis, “Proclaiming Christ means showing that to believe in and to follow him is not only something right and true, but also something beautiful, capable of filling life with new splendor and profound joy, even in the midst of difficulties.” In keeping with the charism of Pope Francis and the mission of our school, the primary focus of the Theology Department is to encourage and challenge each student to grow in a Christ-like way and holistically as a human being. This department plays a critical role in our identity as a “Catholic” school and in modeling the ideals of Jesus. Intellectually, the student will be engaged in the academic study of theology, the Bible, the teachings of Christ, Church history and tradition, the principles of Catholic Social Teaching, and the fundamentals of world religions. Spiritually, students will be encouraged to develop a relationship with God, share their faith with others, and foster a sense of the sacred in their lives. Each of the four years of theology will expose students to various styles of Christian prayer with the goal of developing an active prayer life and the ability to lead others in prayer. Socially, students will examine their relationships with others and be encouraged to build healthy communities in the school and in the world in accordance with the ideals and values of Christian morality and justice. Each year, students will express this dimension of faith through community service.

### **502 Theology 1**

Grade 9

1 Credit

Who is God? How does God speak to us? What do Christians believe about God? This freshman year course seeks to provide all students with an understanding of a variety of sources of revelation – both natural and divine – about God. Students come to understand the primary importance of Sacred Scripture and its role in the life of faith for the Christian. The latter part of the course emphasizes the importance of Jesus as the Incarnation – the Living Word made flesh, the Second Person of the Trinity. Spirituality and prayer are additional components woven throughout the curriculum. During the year, students are encouraged to grow in religious knowledge and invited to deepen their lives of faith. The freshman course corresponds with the first two semesters of the U.S. Catholic Bishops’ *Curriculum Framework*. 12 hours of community service are required.

### **510 Theology 2**

Grade 10

1 Credit

Who is Jesus? What is His message? How do we continue His mission in the world today? This sophomore year course leads students to understand the need for redemption and how Jesus is the fulfillment of God's promise. This course builds upon the Scriptural studies begun in the freshman year. Salvation history is explored, culminating with a study of the life and ministry of Jesus and our redemption through His death and resurrection. The latter part of the course focuses on the Church as a means to encountering the living Jesus. The sophomore course corresponds with the 3<sup>rd</sup> and 4<sup>th</sup> semesters of the U.S. Catholic Bishops’ *Curriculum Framework*. 12 hours of community service are required.

### **514 Theology 3**

Grade 11

1 Credit

How can we live as God calls us to live? How can we encounter Jesus in our everyday lives? What role does conscience play in making moral decisions? What does it mean to be a disciple of Christ? Students in this junior year course engage in an in-depth study of the seven sacraments of the Church: the Sacraments of Initiation (Baptism, Confirmation, and the Eucharist), the Sacraments of Healing (Reconciliation and Anointing of the Sick), and the Sacraments of Vocation (Matrimony and Holy Orders). In the latter portion of the course, students explore the sources, dimensions, and applications of Christian virtues and ethics. The junior course corresponds with the 5<sup>th</sup> and 6<sup>th</sup> semesters of the U.S. Catholic Bishops’ *Curriculum Framework*. 24 hours of community service are required.

### Senior Theology Options

Senior students must take at least one of the following two options in Religion. It is possible to take both of the senior options. All seniors are required to perform 24 hours of community service.

#### 507 World Religions

Grade 12

1 Credit

How does the Church relate to other Christian denominations and to non-Christian faiths? How do other faith traditions understand the ultimate reality? What is the nature of religion? Since Vatican II, the Church has expressed an increase in desire for Christians to participate in the ongoing dialogue with fellow Christians and the various religions of the world. This course addresses the Church's mandate for Christians to grow in tolerance, understanding and fellowship with our brothers and sisters around the globe. In the context of a Catholic Christian environment, students deepen their understanding of their own faith, while surveying the similarities and differences of others. The basis for the study of the principles of the great religions of the world is the common elements found in all traditions and the common questions about God and life that human beings strive to answer. The World Religions course acquaints students with the major Eastern and Western religious traditions. The course also explores saints, religious heroes and heroines in relation to social justice issues. With increased awareness of humankind's needs and beliefs, the students are more able to engage our diverse world as informed and concerned citizens. The *World Religions* course corresponds with the senior electives, *Ecumenical and Inter-religious Issues* and *Living as a Disciple of Jesus Christ in Society*, described in the U.S. Catholic Bishops' *Curriculum Framework*.

#### 556 Christian Leadership

Grade 12

1 Credit

*Prerequisite: application process, students taking this course must be of a Christian faith and active in their church community*

What does it mean to emulate Jesus Christ? How can we adopt an attitude of servant leadership? What skills do we need to act in ministerial roles in a Christian community? The main focus of this course is on training students to be Christian leaders in the school and in the world. The students learn small group facilitation, communication and public speaking skills. Students are trained to organize and present retreats on campus for underclassmen, to plan and lead liturgical celebrations, and to be active participants in their parishes. The other component of the course focuses on the principles of Catholic Social Teaching and how students can apply these teachings to their lives. Membership is based on a screening process which includes an application, an interview, and recommendations from faculty members. This course follows the senior elective *Living as a Disciple of Jesus Christ in Society* for the U.S. Catholic Bishops' *Curriculum Framework*.

### Theology Elective

*This course is an elective course to supplement the required Theology class at each level. It does not replace Theology 3 for juniors or Christian Leadership / World Religions for seniors.*

#### S516 The Catholic Intellectual Tradition

Grades 11, 12

.5 Credit

This course is for students who wish to broaden the depth of their theology and enrich their faith lives. The curriculum will invite students to explore the rich heritage of the Catholic Intellectual Tradition. Over the course of a semester, covering four distinct units, students will study 1) the life and writings of Saint Paul, 2) the life and writings of Saint Augustine, 3) the life and writings of various doctors of the church, and 4) Papal encyclicals and the importance of Church documents in the history and teaching of the Church. Students will enter into theological discussions and complete an assessment (project or paper) for each of the four units.

## **English Department**

The English Department strives to foster a greater understanding and appreciation of the English language and its literature, and to develop reflective, critical, and creative thinkers through reading, writing, speaking and listening. Further study is given to grammar, mechanics, and vocabulary for the effective communication of ideas, oral and written. College preparedness is strengthened in the department's portfolio and research paper requirements.

### **011 English 1**

Grade 9

1 Credit

The English I curriculum is organized around themes appropriate for beginning high school students as they are introduced to a study of the English language and the major literary genres. Mechanics of grammar are introduced. Vocabulary study concentrates on definitions of words and their usage. Students are involved in a variety of learning situations that foster the development of creative and critical thinking, reading, writing, research, and oral communication skills. Portfolio and / or research paper required.

### **015 Honors English 1**

Grade 9

1 Credit

*Prerequisite: Achieving over a 70 percentile composite score on the Placement Test and scoring 4 or above in at least 4 rubric categories on the placement essay.*

The main goal of Honors English 1 is to expose students to a wider variety of reading and writing experiences around themes appropriate for beginning high school students as they are introduced to a study of the English language and the major literary genres. Mechanics and grammar are reviewed with emphasis on problem areas. Vocabulary study concentrates on definitions of words and their usage. Students are involved in a variety of learning situations that foster the development of creative and critical thinking, reading, writing, research, and oral communication skills. Honors students complete the English 1 curriculum at an accelerated pace. The curriculum is supplemented with additional readings and more complex writing assignments. Portfolio and / or research paper required.

### **026 English 2**

Grade 10

1 Credit

The English 2 curriculum invites students to further develop their understanding of language and literature. Through a variety of learning situations, students continue to develop critical thinking, reading, writing, research, and oral communication skills. Students continue preparing for SATs through close textual analysis of multicultural literary works, study of English grammar, and vocabulary. Portfolio and /or research paper required.

### **027 Honors English 2**

Grade 10

1 Credit

*Prerequisite: 80 or higher average in Honors English 1; 87 or higher average in English 1.* The Honors English 2 curriculum invites students to undertake an in-depth and extensive study of the literary forms introduced in the first year at an accelerated pace. Additional required reading further develops these skills. Through a variety of learning situations students continue to develop critical thinking, reading, writing, research, and oral communication skills. Students continue preparing for SATs through close textual analysis of multicultural literary works, study of English grammar, and vocabulary study. Portfolio and / or research paper required.

032 English 3: American Literature      Grade 11      1 Credit

The English 3 curriculum spans the development of American literature ranging from its Puritan beginnings to the emergence of contemporary authors. Students explore the genres and themes that have dominated this literary tradition. Through various learning situations, students develop their critical thinking, reading, writing, research, and oral communication skills. Students continue preparing for SATs by the study of grammar and vocabulary as well as practice responding to writing prompts similar to those used in standard testing. Portfolio and / or research paper required.

033 Honors English 3: American Literature      Grade 11      1 Credit

*Prerequisite: 80 or higher average in Honors English 2; 87 or higher average in English 2.*

The English 3 Honors curriculum spans the development of American literature ranging from its Puritan beginnings to the emergence of contemporary authors. Additional readings, both over the summer and during the school year, are required. Students explore in greater depth the genres and themes that have dominated this literary tradition. Through various learning situations, students develop their critical thinking, reading, writing, research, and oral communication skills. Students continue preparing for SATs by the study of grammar and vocabulary as well as practice responding to writing prompts similar to those used in standard testing. Portfolio and / or research paper required.

031 AP English Language and Composition      Grade 11      1 Credit

*Prerequisites: 87 or higher average in Honors English 2. All students are required to take the AP exam.*

Advanced Placement English in the junior year is a college-level course that involves students in the analysis and implementation of rhetorical strategies and devices of the English language through the study of American literature. The student is involved in learning experiences to develop critical thinking, reading, writing, research, and oral communication skills. Students practice analyzing language and learn to use techniques of close and critical reading to understand the subtleties of language. Students who enroll are required to take the Advanced Placement Language and Composition Examination as part of the course. Successful performance on this test may qualify the student for college credit or advanced standing in college. Portfolio and / or research paper required.

044 English 3: Communication and Culture      Grade 11      1 Credit

English 3: Communication and Culture introduces the critical study and interpretation of written and spoken texts from a wide range of literary and non-literary genres. The formal analysis of texts is supplemented by awareness that meaning is not fixed but can change in respect to contexts of production and consumption. The student explores English through its cultural development and use, its media forms and functions, and its fictional and nonfictional literature. Students develop skills of literary and textual analysis, and also the ability to present their ideas effectively. A key aim is the development of critical literacy. Portfolio and / or research paper required. This course fulfills the junior English requirement. Students in the Communications Pathway are advised to take this class.

042 English 4: World Literature      Grade 12      1 Credit

The English 4 curriculum explores world literature by connecting the works through thematic elements. Students explore diverse literary genres through class discussion and varied written assignments. Students continue practice in grammar and vocabulary to assist them with standardized testing and future endeavors. Through a variety of learning situations, students develop their critical thinking, reading, writing, research, and oral communication skills. Portfolio and / or research paper required.

043 Honors English 4: World Literature Grade 12 1 Credit

*Prerequisites: 80 or higher average in Honors English 3; 87 or higher average in English 3.*

The English 4 curriculum explores World literature by connecting the works through thematic elements. Additional readings, both over the summer and during the school year, are required. Students explore diverse literary genres through class discussion and varied written assignments. Emphasis is placed on advanced writing proficiency. Students continue practice in grammar and vocabulary to assist them with standardized testing and future endeavors. Through a variety of learning situations, students develop their critical thinking, reading, writing, research, and oral communication skills. Portfolio and / or research paper required.

041 AP English Literature and Composition Grade 12 1 Credit

*Prerequisites: 87 or higher average in Honors English 3; 80 or higher in AP Language and Composition. All students are required to take the AP exam.*

Advanced Placement English in the senior year is a college-level course that explores literature through intense study and critical analysis of a variety of literary traditions. The student is involved in learning experiences to develop critical thinking, reading, writing, research, and oral communication skills. Students are required to take the Advanced Placement Literature and Composition Examination as part of the course. Successful performance on this test may qualify the student for college credit or advanced standing in college. Portfolio and / or research paper required.

045 English 4: Media and Culture Grade 12 1 Credit

English 4: Media and Culture continues the critical study and interpretation of written and spoken texts from a wide range of literary and non-literary genres. The formal analysis of texts is supplemented by awareness that meaning is not fixed but can change in respect to contexts of production and consumption. The student explores English through its cultural development and use, its media forms and functions, and its fictional and nonfictional literature. Students develop skills of literary and textual analysis, and also the ability to present their ideas effectively. A key aim is the development of critical literacy. Portfolio and / or research paper required. This course fulfills the senior English requirement. Students in the Communications Pathway are advised to take this class.

S058 Film Studies Grades 11, 12 .5 Credit

Film Studies is an elective course in which students have the opportunity to analyze the impact of film on society. Major emphasis is given to the evolution of film, the techniques of filmmaking and the role of film in our society. Propaganda, racism, stereotyping, and violence in the media are some of the topics explored.

S054 Heroes and Villains Grades 10, 11, 12 .5 Credit

Heroes and Villains is a one-semester elective formulated to offer enrichment to juniors and seniors who wish to know more about the mythology of world cultures. Students read, write, and discuss the lessons of the myths and learn the modern-day relevance of ancient texts.

S055 Creative Writing Grades 10, 11, 12 .5 Credit

Creative Writing is a one-semester course that allows students to expand their writing skills. It is a survey course that covers many genres of writing, including poetry, short fiction and drama. The students explore the various forms within each genre through writing their own work and reading pieces by published authors.

S048 Fantasy and Sci-Fi Grades 10, 11, 12 .5 Credit

Students in this course will study how fantasy and science fiction in literature and pop culture has transformed the world we live in today. Students will study a variety of authors of speculative fiction in variety of genres, from J.R.R. Tolkien to J.K. Rowling, from H.G. Wells to Suzanne Collins to Steven Spielberg.

S061 Murder, Mystery and Madness      Grades 10, 11, 12      .5 credit

Students in this class will study the development of mystery literature from its early days with Edgar Allan Poe and Sir Arthur Conan Doyle to modern mystery writers like Agatha Christie to contemporary masters like Patricia Cornwell. Select mystery films may also be shown. Students may be expected to put on a murder mystery as a final assessment of the course.

S062 The Educated Mind      Grades 10, 11, 12      .5 credit

This class is aimed at providing students with a basis of general knowledge in areas such as history, literature, entertainment, and science, by using competitive quiz programs such as Jeopardy and Who Wants to Be a Millionaire as a background. Students will enjoy learning the information that is the basis of our American culture while understanding the importance of being a well-rounded citizen.

## **Mathematics Department**

The Mathematics Department believes in the inherent value and ability of each student. We strive to develop each student's ability to think analytically, quantitatively, logically, and critically and to equip each student with the information necessary to meet the challenges of today's society. Our curriculum is designed to expand, challenge, and motivate each student. We aim to help all students view mathematics as a necessary tool for survival in a rapidly changing world and to prepare them for productive and successful service in society.

Ninth grade placement is determined by the 8<sup>th</sup> grade recommendation process. Placement in grades 10-12 is based on prerequisite content knowledge as determined by previous performance in courses, or, in the case of students new to the school, a placement test.

College Prep courses provide students with more time on individual topics and include more guided instruction when solving problems. These courses provide a more structured learning environment with additional support and time on each topic of study. Honors courses are appropriate for students with a high interest in mathematics who have demonstrated exceptional understanding of mathematical concepts and skills, can think abstractly and solve problems with a high degree of independence. Advanced Placement courses are recommended for honors students who are highly motivated and able to work independently. Students in Advanced Placement courses will complete a rigorous curriculum of study and take the AP Exam in May.

Within each mathematics course students will explore real world applications and complete performance tasks. These tasks will be entered each year into the student's digital mathematics portfolio, allowing students to reflect on their growth and understanding throughout their time at Pope Francis Preparatory School. The portfolio shall serve to guide students to achieve a deeper understanding of mathematical concepts.

Many courses require a graphing calculator for both class work and homework. The TI-84 Plus CE is recommended.

214 Pre-AP Algebra 1

Grade 9

1 Credit

*Prerequisite: Determined by the HSPT*

This course shall follow the College Board curriculum for Pre-AP Algebra 1. Additional concepts will be included throughout the year.

Pre-AP Algebra 1 focuses deeply on mastery of linear relationships. Linear functions and linear equations are the basic building blocks of many advanced topics in mathematics. Pre-AP Algebra 1 is streamlined to give students the time and space to thoroughly develop both procedural fluency and deep conceptual understanding of these concepts and skills. This instructional focus fuels students' growth and confidence in mathematics. Students will develop a deep and robust understanding of linear relationships from procedural, conceptual, and applied perspectives, create and use mathematical models to understand and explain authentic scenarios, and use evidence to craft mathematical conjectures and prove or disprove them.

A TI-84 graphing calculator is required.

215 Honors Pre-AP Algebra 1

Grade 9

1 Credit

*Prerequisite: Achieving a minimum of 75% on the HSPT.*

This course shall follow the College Board curriculum for Pre-AP Algebra 1. Additional concepts will be included throughout the year.

The Honors Pre-AP Algebra 1 course focuses deeply on mastery of linear relationships. Linear functions and linear equations are the basic building blocks of many advanced topics in mathematics. Honors Pre-AP Algebra 1 is streamlined to give students the time and space to thoroughly develop both procedural fluency and deep conceptual understanding of these concepts and skills. This instructional focus fuels students' growth and confidence in mathematics.

Students at the Honors level will be introduced to additional concepts such as matrices, statistics and other enrichment topics. Assessments will be broad and challenging, with an emphasis on real world application. Students are expected to be self-motivated and able to maintain a rigorous pace throughout the curriculum.

A TI-84 graphing calculator is required.

222 Pre-AP Geometry with Statistics      Grades 10, 11, 12

1 Credit

*Prerequisite: Passing grade in Pre-AP Honors Algebra I, or Pre-AP Algebra I*

Pre-AP Geometry with Statistics is designed to provide students with a meaningful conceptual bridge between algebra and geometry to deepen their understanding of mathematics. In this course, students are expected to use the mathematical knowledge and skills they have developed previously to problem solve across the domains of algebra, geometry, and statistics. The course includes a unit of statistics and probability to help students build a deeper understanding of essential concepts related to quantitative literacy.

A TI-84 graphing calculator is required.



216 Honors Pre-AP Geometry with Statistics \_\_\_\_\_ Grades 9, 10 1 Credit

*Prerequisite: 85 or higher in Pre-AP Honors Algebra I, or 90 or higher in Pre-AP Algebra I, or Achieving a minimum of 85% on the HSPT AND as determined by the PFPS placement test.*

Honors Pre-AP Geometry with Statistics is designed to provide students with a meaningful conceptual bridge between algebra and geometry to deepen their understanding of mathematics. In this course, students are expected to use the mathematical knowledge and skills they have developed previously to problem solve across the domains of algebra, geometry, and statistics. The course includes a unit of statistics and probability to help students build a deeper understanding of essential concepts related to quantitative literacy. Students at the Honors level will be introduced to additional concepts and enrichment topics. Assessments will be broad and challenging, with an emphasis on real world application. Students are expected to be self-motivated and able to maintain a rigorous pace throughout the curriculum.

A TI-84 graphing calculator is required.

236 Algebra 2 \_\_\_\_\_ Grades 10, 11, 12 1 Credit

*Prerequisite: Passing grade in Geometry*

For this course students will focus on interpreting and modeling data. Concepts include transformations of functions; linear and quadratic equations and functions, complex numbers (including imaginary); graphing functions; polynomial, rational, exponential and log functions; sequences and series; matrices; and an introduction to probability and statistics. As time permits, additional topics may be introduced. Students will solve problems, think critically, and communicate results. Emphasis will be placed on application of the curriculum to real-life situations. A TI-84 graphing calculator is required.

217 Honors Algebra 2 \_\_\_\_\_ Grades 10, 11, 12 1 Credit

*Prerequisite: 85 or higher average Honors Geometry or 90 or higher average in Geometry* This course features the more demanding methods and problems in a second-year college preparatory course in Algebra. The topics studied include the language of algebra, solving equations and inequalities, linear equations and systems, function notation and properties of functions, polynomials and factoring, rational expressions, quadratic functions, conic sections, complex number systems, radicals, exponents and arithmetic and geometric progressions and series. Mathematical reasoning, critical thinking, and problem solving skills are stressed as students prepare for future high school course work. Students use graphing calculators, explore real world applications of the topics, and complete a year-long project-based portfolio of their choice in order to achieve a more complete understanding of the mathematical concepts. A graphing calculator from the TI84 family is required

245 Honors Precalculus \_\_\_\_\_ Grades 10, 11, 12 1 Credit

*Prerequisite: 85 or higher Honors Geometry and 90 or higher Algebra 1 or 85 or higher Honors Algebra 1; 90 or higher average in Geometry and 90 or higher Algebra 1 or 85 or higher Honors Algebra 1.*

Students electing this course must have a strong background in algebra and geometry, think critically and reason abstractly. This is a full year course which encompasses advanced algebra and trigonometry. Course content includes an in-depth study of Algebra 2 topics and Precalculus topics meant to prepare students for Calculus. Topics covered include the twelve basic functions and their graphs; linear systems and matrices; analytic geometry in three-dimensions; trigonometric functions, analytic trigonometry and applications of trigonometry; analytic geometry; and sequences and series. As time permits, students will be introduced to other enrichment topics. Emphasis is placed on understanding mathematical concepts and communicating both verbally and through writing. A TI-84 graphing calculator is required.

218 Honors Precalculus 2

Grades 11, 12

1 Credit

*Prerequisite: Passing grade in Honors Precalculus or Precalculus.*

A second course in Precalculus, this course reviews trigonometric functions and applications and includes additional topics of advanced mathematics. Students investigate and explore polar coordinates, vectors, and parametric equations. The final unit introduces students to the fundamentals of calculus. Mathematical reasoning, critical thinking, and problem solving skills are stressed as students prepare for future high school or college coursework in calculus. Students use graphing calculators, explore real world applications of the topics, and complete a year-long project-based portfolio of their choice in order to achieve a more complete understanding of the mathematical concepts. Collaboration with Physics to support applications and understanding will occur. A graphing calculator from the TI84 family is required.

246 Precalculus

Grades 11, 12

1 Credit

*Prerequisite: 80 or higher average in Algebra 2*

Following Algebra 2, Precalculus continues to study functions. This course begins with a review of linear and quadratic functions and other topics from algebra and geometry. The twelve basic functions are introduced, including power functions, exponential functions, logarithmic functions, trigonometric functions, polynomial functions, and rational functions. The emphasis throughout the year is to create a foundation for the study of calculus. A graphing calculator is required.

240 Honors Calculus

Grades 11, 12

1 Credit

*Credit Prerequisite: 90 or higher average in Precalculus; or 85 or higher average in Honors Precalculus*

Calculus emphasizes a multi-representational approach to topics. Concepts are introduced and modeled with graphical, numerical, and algebraic representations. Concepts from precalculus are reviewed and extended. Limits and continuity, derivatives, applications of derivatives, the definite integral, and differentials and their applications are introduced. Students will demonstrate their understanding of these mathematical concepts and communicate their solutions. A TI-84 graphing calculator is required.

259 AP Calculus AB

Grades 11, 12

1 Credit

*Prerequisite: 85 or higher average in Honors Calculus; or 90 or higher average in Honors Precalculus. All students are required to take the AP exam.*

This course follows the guidelines set by the Advanced Placement College Board. AP Calculus AB is primarily concerned with developing students' understanding of the concepts of calculus and providing experience with its methods and applications. The course emphasizes a multi-representational approach to calculus with concepts, results, and problems being expressed graphically, numerically, analytically, and verbally. Topics in integral and differential calculus include: limits; derivatives of algebraic and transcendental functions; methods of integration of algebraic and transcendental functions; applications of the derivative (related rates, optimization, simple differential equations, slope fields); and integration (accumulation function area, volume, arc length, surface area). Graphing calculators are used extensively in this course. Technology will be used regularly to reinforce the multiple representations of functions, to confirm written work, to implement experimentation, and to assist in interpreting results. A TI-84 graphing calculator is required.

260 AP Calculus BC

Grade 12

1 Credit

*Prerequisite: 90 or higher average in Honors Precalculus or 80 or higher average in AP Calculus AB. All students are required to take the AP exam.*

This course follows the guidelines set by the Advanced Placement College Board. Calculus BC includes all AP Calculus AB topics plus additional topics such as parametric, polar, and vector functions; derivatives of parametric, polar, and vector functions; applications of integrals; additional techniques of antidifferentiation; solving logistic differential equations; and polynomial approximations and series (Taylor and Maclaurin series). Graphing calculators are used extensively in this course. Technology will be used regularly to reinforce the multiple representations of functions, to confirm written work, to implement experimentation, and to assist in interpreting results. A TI-84 graphing calculator is required.

258 AP Statistics

Grades 11, 12

1 Credit

*Credit Prerequisite: 87 or higher average in Algebra 2 or 85 or higher average in Precalculus or 80 or higher in Honors Precalculus. All students are required to take the AP exam.*

This course follows the guidelines set by the Advanced Placement College Board. Students shall be introduced to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students are exposed to four broad conceptual themes: Exploring Data; Sampling and Experimentation; Anticipating Patterns; and Statistical Inference. Students will have opportunity to think through problems, make decisions and share questions and conclusions with other students. For this reason, they are expected to possess strong critical thinking and writing abilities. Topics covered include explorations and analysis of data using graphical and numerical techniques, the planning of a study including clarification of questions and methods of data collection and analysis, elements of probability, probability distributions, and statistical inference including confidence intervals and test of significance. Technology will be used regularly to reinforce and to confirm written work, to implement experimentation, and to assist in interpreting results. A TI-84 graphing calculator is required.

220 Statistics

Grades 10, 11, 12

1 Credit

*Prerequisite: Passing grade in Algebra 2 or Precalculus*

This is a full-year college prep course in statistics. Students will be introduced to descriptive and inferential statistics and basic probability theory, explore the data that surrounds them, generate and collect data. They will learn how to represent data in various ways and interpret data. Mathematical reasoning, critical thinking, and problem solving skills are stressed. Students will explore real world applications of the topics, and complete a year-long project-based portfolio of their choice in order to achieve a deeper understanding of the mathematical concepts. Students will use technology and computer programs such as Excel and StatCrunch. A graphing calculator from the TI84 family is required.

S253 Financial Mathematics

Grade 12

.5 Credit

*Prerequisites: Passing grade in Algebra 2*

In this course students will study personal finance and portfolio management. The course will provide students with insight into the mathematics they will encounter throughout their lives. Topics will include: an overview of personal finance, financial responsibility and decision making, income and careers, spending and credit, and saving and investing. The mathematics of finance includes interest: including compound interest, present value, annuities, loans, the rate of return on an investment, and interest in continuous time. A graphing calculator is required.

<u>S257 Math Enrichment</u>	Grade 9, 10, 11, 12	.5 Credit
<u>267 Math Enrichment Full Year</u>	Grade 9, 10, 11, 12	1 Credit

*Objective: To support students of all grades and all math courses, to improve basic math skills and teach critical thinking skills, To support students in preparation for standardized tests (such as the SAT, and the Accuplacer)*

Math Enrichment is intended to assist students who either desire or require additional support in mathematics. Assisted on a regular basis and working in concert with individual teachers of enrolled students, one goal is to provide immediate assistance and clarification of math concepts. Students may be recommended for or elect placement. Upper classmen may choose to select this course to support their preparation for standardized tests. Here they may work on their individualized College Board Study Plan. This regularly structured schedule will provide a supportive environment and excellent opportunity for all students to improve skills and their understanding of math. This is not a study. Individual support, group instruction, and online work will occur throughout the semester. Students may enroll in this course more than once.

## **Science Department**

The Science Department at Pope Francis Preparatory School requires a minimum of three full-year laboratory courses in science, with the intention of producing scientifically literate individuals who are able to make informed choices. Typically, the science program begins with a course in Earth Science, where the students become familiar with our physical planet. The second course is Biology, where students study the structure and function of organisms and their interaction with the physical environment. The third year of study is Chemistry, in which students learn about chemical principles and how they affect us, as well as further developing their skills in analytical and abstract thinking. For students with both high ability and motivation, and who may have a desire to pursue a career in science, there is available an honors-AP science option. Students in this program begin with Honors Biology, followed by Honors Chemistry. In their third year, they may choose to take either AP or Honors Physics. Students taking a fourth year of science may choose from a variety of courses. These include CP, Honors or AP Physics, Oceanography, Ecosystems and Sustainability, Anatomy and Physiology, Honors Aquaculture, Forensics as well as AP Biology and AP Chemistry. A lab component is incorporated into each of the science courses. The lab program will emphasize exploratory and investigative methodologies with a focus on lab procedures, techniques and communication skills.

<u>313 Earth Science</u>	Grades 9, 10, 11, 12	1 Credit
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A basic knowledge of Earth Science is essential to meeting the lifestyle challenges mankind will face in the 21st century. It is critical in our changing world for students/citizens to understand how the Earth works as a system. This can lead to an understanding of the causes and potential societal consequences of Earth processes (e.g. earthquakes, floods, landslides, tsunamis, volcanic eruptions, weather etc.) as well as the availability and possible depletion of natural resources. Earth Science is an integrated science, bringing together introductory concepts of biology, chemistry and physics as they apply to the workings of Earth and its relation to our neighbors in space. This is accomplished through the four major disciplines within Earth Science: Geology, Oceanography, Meteorology and Astronomy. The applied, often visual, nature of Earth Science helps learners to see the relevance of the sciences to their lives by engaging students in learning about our home planet.

319 Honors Biology

Grades 9, 10

1 Credit

*Prerequisites are 75 percentile or higher in ELA, Math and Science portions of the HSPT or a 90 average in Earth Science.*

Honors Biology provides a challenging, in-depth, introductory course. The topics range from molecular and cellular biology, genetics, evolutionary theory, biodiversity and ecology. The students enrolled in this course are expected to be an active partner in the classroom and capable of some independent work and are willing to develop their thought processes and skills at a higher level. As a foundational course, science as a process is emphasized which includes independent research. Laboratory work will be an integral part of the course, enabling students to apply their acquired knowledge to explore the living world.

323 Biology

Grade 10

1 Credit

*Prerequisite: Passing grade in Earth Science*

This is a basic first year introductory course which covers the general themes of biology. These include biochemistry, cell biology, genetics, development, evolution, biodiversity and ecology. The material is presented using various techniques including lecture, cooperative learning and hands-on activities and the use of audiovisual materials. Labs are used to reinforce concepts, as well as acquaint the students with the skills involved in experimentation, data collection, and interpretation. Critical thinking skills are integrated throughout the course

352 AP Biology

Grades 11, 12

1 Credit

*Prerequisite: An average of 85 or higher in Honors Chemistry and Honors Biology or an average of 90 or higher in Chemistry and Biology. All students are required to take the AP exam.*

The advanced placement course offers students an opportunity to complete college level work in their last year of high school. This course is taught according to the Advanced Placement outline in biology and builds upon the fundamental principles, ideas and skills presented in the introductory biology course. It deals with such topics as ecology, evolution, chemical and physical laws as they apply to living organisms, biochemistry, taxonomy, anatomy and physiology, genetics and cytology. In addition, it aims to provide students with the conceptual framework, factual knowledge, and analytical skills necessary to deal critically with the rapid changing science of biology. Students complete the labs set forward by the College Board as part of their AP Biology curriculum. This course is designed for prospective science/biology majors. Summer work and reading are required for this course.

348 Anatomy and Physiology

Grades 11, 12

1 Credit

*Prerequisite: 80 or higher average in biology and chemistry*

This course is a secondary level laboratory science course that is designed to provide an introduction to human anatomy and physiology. In this course the organ systems of the human body are studied with emphasis placed on the relationship between structure and function as well as homeostasis. The concepts presented in this course rely on an understanding of the basic principles of biology and chemistry. Students who are interested in medical careers, nursing, or paramedical fields should select this full-year program.

336 Chemistry

Grades 10, 11, 12

1 Credit

*Prerequisite: Passing grade in Biology and Algebra I*

The fundamental concepts in chemistry are introduced in this course. The topics covered are atomic and molecular structure, chemical bonding, formula and equation writing, properties and states of matter, mole concept, stoichiometry, behavior of gases, solutions and mixtures, ionization, acid-base theory, and equilibrium. Laboratory investigation is used to reinforce the chemical concepts presented. Competence in mathematical relationships and the ability to apply such relationships to scientific principles is important for success.

337 Honors Chemistry Grades 10, 11, 12 1 Credit

*Prerequisite: 80 or higher average in Honors Biology and Honors Algebra I and current honors math course or 85 or higher average in Biology and Algebra I*

In this course, special emphasis is placed on the mathematical and theoretical aspects of the chemical principles presented in the course. The general themes of chemistry discussed in this course include atomic and molecular structure, chemical bonding, properties and states of matter, chemical equations, stoichiometry, the behavior of gases, acid-base theory, thermochemistry, ionization and chemical equilibrium. Laboratory experiments employing fundamental techniques introduce the chemical principles presented in the classroom. This course is intended for students who may be prospective chemistry or science majors and requires commitment to challenging, faster paced coursework involving more in depth and critical thinking applications.

365 AP Chemistry Grades 11, 12 1 Credit

*Prerequisite: 85 or higher in Honors Chemistry and current Math course. All students are required to take the AP exam.*

The AP Chemistry course provides students with a college-level foundation to support future advanced coursework in chemistry. Students cultivate their understanding of chemistry through inquiry-based investigations, as they explore topics as: atomic structure, intermolecular forces and bonding, chemical reactions, kinetics, thermodynamics and equilibrium.

342 Physics Grades 11, 12 1 Credit

*Prerequisites: Students should have a minimum 75 average in all previous science and math courses, must include Algebra I*

This course is a study of the physical world and universe, the nature of matter and energy, and how they are related. Students will discover concepts and mathematical relationships in kinematics, dynamics, momentum and impulse, work and energy, electrostatics, magnetism, and DC circuits through observational experiments and testing experiments. This course is designed to be investigative, where students work in teacher-facilitated groups to explore concepts in a dynamic and exciting format.

344 Honors Physics Grades 11, 12 1 Credit

*Prerequisites: 80 or higher in all previous honors math courses or a 90 or higher in all previous college prep math courses.*

This course is a study of the physical world and universe, the nature of matter and energy, and how they are related. Students will discover concepts and mathematical relationships in kinematics, dynamics, momentum and impulse, work and energy, electrostatics, magnetism, and DC circuits through observational experiments and testing experiments. This course is designed to be investigative, where students work in teacher-facilitated groups to explore concepts in a dynamic and exciting format. Honors level broaches the subjects more deeply and with more advanced mathematics.

361 AP Physics 1 Grades 11, 12 1 Credit

*Prerequisite: 85 or higher in all honors Math courses. Students taking this course are required to take the AP Physics 1 Exam in May.*

This one year course is equivalent to a one semester college course in algebra-based physics for highly motivated students who intend to specialize in physical sciences or engineering. Topics covered include Newtonian mechanics with rotational dynamics and angular momentum, work, energy and power, gravitation and simple harmonic motion. Emphasis is placed on advanced scientific reasoning with physics concepts; using modeling, advanced problem solving; Experimentation and data analysis. There is a lab component in this course that meets the criteria of the College Board.

S338 Forensic Science Grades 11, 12 .5 Credit

*Prerequisite: 75 or higher in all previous science classes.*

This course involves the application of science and technology to criminal and civil law enforcement. Students will focus on the areas of chemistry, biology, physics, and geology and how they are used to evaluate and assess the evidence from crime scenes. Some laboratory work includes fingerprints, blood toxicology, splatter analysis, and crime scene investigations.

S340 Forensic Applications Grades 11, 12 .5 Credit

*Prerequisite: Passing grade in Forensic Science or 80 or higher in Biology and Chemistry.*

Advanced Forensic Science is a laboratory-based science class designed for students who are interested in forensic science. The purpose of this course is for students to gain experience in the major investigative techniques currently used by forensic scientists and crime scene investigators, and to develop an understanding of the scientific concepts which serve as the basis for these techniques. This course will focus on the following topics: Crime Scene Investigation, Evidence Collection, Forensic Pathology, Entomology, DNA Evidence, Blood Evidence, Forensic Anthropology, Casts and Impressions and Ballistics.

384 Oceanography (Offered 2022-2023) Grades 11, 12 1 Credit

*Prerequisite: Passing grade in 2 science classes.*

Oceanography is an interdisciplinary course that will integrate concepts from the biological, chemical, geological and physical sciences. Topics discussed will include: a history of ocean exploration, the physical and chemical nature of water, ocean ecosystems, ocean biodiversity (there will be some dissection included in this topic), tides and currents and coastal dynamics.

300 Environmental Science (Offered 2021-2022) Grades 11, 12 1 Credit

*Prerequisite: Passing grade in 2 science classes*

This course is designed as a secondary level laboratory science. The topics addressed will include ecology, ecosystems, communities, evolution, energy, natural resources, population growth, and sustainability; these topics being presented in relation to human impact on the biosphere and critical, present day environmental issues. Discussions will include both scientific research and ethical issues. Laboratory investigations will be integrated into the course along with lecture and out of class readings.

383 Honors Aquaculture Grades 11, 12 1 Credit

*Prerequisites: 80 or higher in Honors Biology and Honors Chemistry or 90 or higher in Biology and Chemistry.*

Honors Aquaculture is a combination of the fields of aquatic biology and aquaculture (fish farming). Building on the concepts learned in their previous biology and chemistry classes, students will be exposed to an intensive academic program as they learn to raise fish in a sustainable manner as a dietary protein source and to relieve the stresses imposed on our natural fish stocks. Using a 400+ gallon recirculating system, students will study various aspects of aquatic systems, fish anatomy, fish culture and aquaponics. Topics will include: An Introduction to Aquaculture, The Properties of Water, Aquatic Ecosystems, Aquaculture Species, Water Quality, Aquaculture Facilities, and Pathogens and Predation.

331 Principles of Design 1

Grades 11, 12

1 Credit

*Prerequisite: 75 or higher in all science and math classes*

In this course students will learn to apply the fundamentals of several software applications such as Tinkercad®, SketchUp®, and Microsoft 3D Builder®. Using 3D printers, students will obtain hands-on experience in producing a design from concept to prototype. Throughout this course students will learn the fundamentals of the design process in engineering through challenging real-world projects which will allow students to develop and apply their technical skills with organization, management, communication, ethics and teamwork. Classroom activities will also include reading, research and problem-solving as it relates to their projects. Student assessments will include written exams and quizzes in addition to their projects.

333 Honors Principles of Design 2

Grade 12

1 Credit

*Prerequisite: Passing grade in Principles of Design 1 or Design Technology Year 1.*

The Principles of Design program aims to develop students whose enhanced understanding of design and the technological world can simplify our shared responsibility for caring for our planet and create a better world. This program is appropriate for students who are interested in design and engineering. The major focus of this program is to expose students to the design process, research and analysis, teamwork, communication methods, global and human impacts, engineering standards and technological documentation. The program gives students the opportunity to develop skills and understanding of course concepts through activities and project based learning (PBL). The program challenges students to improve their interpersonal skills, creative abilities and understanding of the design process as well as develop strategies to direct their own learning.

## **Social Studies Department**

The Social Studies program at Pope Francis Preparatory School represents a diverse and comprehensive course of study that allows endless possibilities to explore the people, places and ideas that have and continue to shape our changing world. Through the use of historical documents and sources, students will learn to acquire, organize, analyze, and interpret information that can be applied to past and present challenges. These skills will be reinforced through a variety of activities such as modeling the United Nations, presentations both individual and group, field trips as well as the incorporation of current technology. In addition, community resources are utilized to provide speakers and programs, which enhance the topics being studied. Through our efforts, we encourage our students on their quest to become life-long learners and active participatory citizens.

113 World History

Grade 9

1 Credit

The World History course will provide students with a solid foundation in the knowledge and skills that will allow them to recognize the role of individuals in society and develop deeper insight into the political, economic, and cultural movements that have helped shape our world. Special attention will be given to strengthening the student's ability to find, critically evaluate, and effectively use, primary and secondary sources. Through research, discussion, and analysis, students will improve and expand their writing skills so that they may more clearly and effectively express their well-reasoned analytical viewpoints. Students will leave this course prepared for success beyond the classroom as well-informed and responsible global citizens.



111 Honors World History

Grade 9

1 Credit

*Prerequisite: 80 percentile in both reading and writing on the HSPT*

The Honors World History course will encompass the same topics as the college prep sections but will provide a more in-depth study of thematic and chronological history. Students will develop an understanding of history and offer a balanced study with an emphasis on the peoples and cultures of Europe, Africa, Asia, and the Americas. An integral part of this course will be the use of primary sources, maps, research projects, oral presentations, essay writing and nonfiction historical literature.

S127 Civics

Grades 10, 11, 12

.5 Credit

*This class is required for all Grade 10 students for the Class of 2023 and beyond.*

Students will study the foundations of American democracy and the origins of American government.

This one-semester course provides students with a basic understanding of civic life, politics, and government, and a short history of government's foundation and development in this country. Emphasis is placed on the Constitution where students learn how power and responsibility are shared and limited by government, the impact American politics has on world affairs, the place of law in the American constitutional system, and which rights the American government guarantees its citizens. Students also examine the importance of civic participation in the American political system.

126 U.S. History Survey

Grades 11, 12

1 Credit

The U.S. History Survey course is intended to build upon the knowledge gained from the civics curriculum. In addition, the course will cover the major social, economic, and political trends in the development of America. The course emphasizes historical connections as it begins with a discussion of factors leading to the American Civil War extending to the polarizing state of present-day America. Critical reading and thinking skills are exercised as students work with primary documents and engage in local historical sources. Students have regular practice with historical investigation, research, and writing while using technology and research tools to prepare them for college-level courses. The goal of the U.S. History Survey course is to help develop active and thoughtful citizens.

128 Honors U.S. History Survey

Grades 10, 11, 12

1 Credit

*Prerequisite: 85 or higher average in Honors World History, or 87 or higher average in World History.*

The Honors U.S History Survey course will cover the same topics as the college prep sections but, will challenge students with an increased emphasis on independent learning. Students will be expected to read and take notes on their own while using class time to look at documents and information that support the initial book readings. Students taking this course should have not only an interest in history, but also have sound writing skills. The course places great emphasis on analytical thought that challenge students to make connections between various time periods.

138 AP U.S. History

Grade 11, 12

1 Credit

*Prerequisite: 85 or higher average in Honors US History or by teacher invitation; and completion of an extensive summer assignment due at least 1 week prior to the start of school. Students are required to take the Advanced Placement exam.*

Advanced Placement United States History will cover topics ranging from the era of early European explorers to modern day America. The course will utilize the Civics curriculum to help students better understand the development of American society throughout the country's history. The course is an in-depth and fast paced look at major themes in United States History. The course breaks United States History into nine periods and combines historical knowledge with analyzing primary sources to better understand the connections between the nine periods. An emphasis is placed upon writing skills to prepare students for the AP test which will be taken at the end of the course. Students should be prepared for independent work as well as summer work to promote critical thinking skills, and to ensure the completion of information relevant to the course work.

S140 Psychology

Grades 11, 12

.5 Credit

Psychology is an introductory course in the scientific study of human behavior. It is presented from an eclectic view with equal emphasis on psychoanalytic, cognitive, behavioral, humanistic, and biological views of human behavior. Topics include methodology, learning, development, emotions, motivation, personality, and abnormality. Research projects and experiments allow students to explore their interests and learn about the broad field of psychology.

S157 Sociology

Grades 11, 12

.5 Credit

Sociology introduces the student to the basic concepts as well as the tools and methods used by specialists in this field while studying social life, relationships and social problems. The course is designed so that students will acquire a greater understanding of human group life and the role of the individual. This course will prepare students interested in such fields as criminal justice, social work and related people professions.

S115 BIPOC (Black, Indigenous, People of Color) Studies

Grades 10,11, 12

.5 Credit

The purpose of this course is to educate students to be politically, socially, and economically conscious about their personal connections to local and national history. BIPOC Studies centers on themes of social justice, social responsibility, and social change. Students will gain a better understanding of African-American, Indigenous, Latin-X and Asian cultures and histories and how they fit into The American mosaic. The course spans from past to present, from politics to social reform, as well as cultural contributions, allowing students to identify similar social patterns and universal qualities present in other societies, including their own. This course will also incorporate an Identity section where students will consider concepts related to their own personal, group, and/or national identity. Community resources will be utilized to help students further understand their own ethnic narrative in the neighborhoods in which they live.

S117 Genocide & Human Rights

Grades 10, 11, 12

.5 Credit

This course develops an understanding of human rights and genocide in history. Students will examine issues of the Holocaust and subsequent occurrences of genocide with emphasis placed on avoiding the potential of a repetition of history as they develop an understanding of the root causes endangering basic human rights. Special attention will be given to the origins of anti-Semitism, from the "blood libel" myths of medieval Europe to the "stab-in-the-back" accusations following World War I. The course will look at the ways in which Jews were deprived of personal rights, freedoms, and eventually their lives during the Nazi regime in Germany. Students are enriched by the addition of nonfiction literature.

S163 Community and Civic Engagement

Grades 10, 11, 12

.5 Credit

This course will provide students experiential opportunities to learn in real world contexts and develop skills of community engagement. Through hands on and first-hand approaches students will develop an understanding and appreciation for their own community. This course is interdisciplinary in nature and will incorporate trainings and presentations with experts from several fields to promote understanding of the human experience. Students will see themselves as an important part of a larger, interconnected and interdependent community with the ability to apply what they have learned in “the real world.” In this class community and classroom resources will be used to enhance the student learning process.

S153 Model United Nations                      Grades 9, 10, 11, 12                      .5 Credit

Model United Nations is a one-semester elective course designed to provide students with all the skills necessary to participate fully in Model United Nations Conferences sponsored by universities, high schools, and other organizations and debate global issues with other students from New England, the United States, and the world. In this course, students will learn the history of the United Nations and its various organs. Students will also develop skills for researching their countries and committees; using primary and secondary sources; writing position papers, working papers, and resolutions; and developing skills for public speaking and debating. The students will learn how to be versatile and capable Model United Nations delegates who can debate such issues of global importance as climate change, world hunger, genocide, persecution of religious and ethnic minorities, health issues, nuclear disarmament, intellectual property rights, and the implications of computer technology. This course will help students become citizens of the world and may serve as a springboard for them to consider majoring in international relations in college and pursuing careers in global diplomacy and service.

S154 Honors Advanced Model United Nations    Grades 10, 11, 12                      .5 Credit

*Prerequisite: Passing grade in Model United Nations or permission of instructor*

Honors Advanced Model United Nations is a one-semester elective Honors course designed to provide students with all the skills necessary to participate as leading and award-winning delegates in Model United Nations Conferences sponsored by universities, high schools, and other organizations and debate global issues with other students from New England, the United States, and the world. This course assumes some knowledge of the history of the United Nations and its various organs taught in the Model United Nations class and club (though that class is not a formal prerequisite for this one, nor do Model United Nations students have to be in the Model UN Club). Students will also develop advanced skills for researching their countries and committees; using primary and secondary sources; writing position papers; sponsoring working papers, draft resolutions, and resolutions; and refined public speaking and debating. The students will learn how to be leading Model United Nations delegates who can direct and steer the debate on such issues of global importance as global pandemics, climate change, world hunger, genocide, persecution of religious and ethnic minorities, general public health issues, nuclear disarmament, intellectual property rights, and the implications of computer technology. This course will help students become citizens of the world and effective officers of the Model United Nations Club. The class may also serve as a springboard for them to participate in top-notch Model UN programs in college, major in international relations and/or related fields and pursue careers in global diplomacy, economics, and service.

S155 Introduction to Economics                      Grades 9,10, 11, 12                      .5 Credit

Introduction to economics is a course designed to give students a beginning insight into the world of economics. Students will learn about microeconomics by studying the relationship between scarcity, supply and demand, opportunity, and cost. Students will study macroeconomics by studying the economy as a whole and how it is impacted by factors such as unemployment, inflation, deflation, and productivity. The course provides students with hands on learning in developing knowledge of how economics can be applicable in their own lives. Students will use the economic factors described above to create a final project that involves them developing, designing, and pitching their own product.

**World Language Department**

The Pope Francis Preparatory School World Language Department applies both the Massachusetts framework standards and the national standards developed by ACTFL, the American Council of Teaching of Foreign Languages. This framework affirms the belief that students graduating from high school should be able to read, write, and converse in a second language in order to participate in the multilingual, multicultural interdependent communities of the twenty-first century.

When differentiating College Prep and Honors, we consider course load; reading and writing expectations, expected communication in the target language, pacing and rigor of the course as well as the motivation and independence of the student.

Please consider that although two years of the same language are required, many colleges prefer 3 or 4 years of the **same** language.

## 451 Latin 1

### Grades 9, 10, 11, 12

1 Credit

In this introductory level course, students learn the fundamentals of the Latin language covered in the first book of the *Ecce Romani* series. Students will be introduced to different verb tenses, noun declensions, pronouns and other fundamental grammatical constructs of the introductory level. Through various readings, lessons, class discussion and personal research, they will explore the religious, social and political culture of the Ancient Romans as well. This course will give them a comprehensive overview of fundamental vocabulary, grammar, and cultural content, as well as providing insight into the many realms in which Latin is present today. Students will also prepare to contend on the National Latin Exam, a prestigious nation-wide examination that takes place during the spring semester.

## 453 Latin 2

### Grades 10, 11, 12

1 Credit

Prerequisite: Passing grade in Latin 1

In this intermediate level course, students continue to work on mastering the Latin language through completion of the *Ecce Romani* series. Students will complete their knowledge of verb patterns and be introduced to complex clauses and verb forms to better prepare them for the reading of legitimate Latin authors. Through various readings, lessons, class discussion and personal research, they will further explore the religious, social and political culture of the Ancient Romans as well. This course will give them a more in-depth experience of the fundamental vocabulary, grammar, and cultural content, as well as providing further insight into the many realms in which Latin is present today. Students will also prepare to contend on the National Latin Exam, a prestigious nation-wide examination that takes place during the spring semester.

## 455 Honors Latin 3

## Grades 11, 12

1 Credit

*Prerequisite: Grade average of 85 or higher in Latin 2*

In this honors course, students master the forms and constructions of Latin grammar, building in their knowledge of Latin vocabulary as they complete and move on from the *Ecce Romani* series. As they gain full mastery of the Latin grammar, students will engage in readings that include original Latin prose and poetry by authors such as Ovid, Catullus, Petronius, Livy, Virgil, and Horace, among others. Students will gain experience and confidence in translation of original texts as well as of comprehension of texts for literal, cultural and social significance. Through various readings, lessons, class discussion and personal research, they will further explore the religious, social and political culture of the Ancient Romans as well. Students will also prepare to contend on the National Latin Exam, a prestigious nationwide examination that takes place during the spring semester.

459 Honors Latin 4

Grade 12

1 Credit

*Prerequisite: Grade average of 85 or higher in Latin 3*

In this highest-level honors course, students will read largely from Virgil's *Aeneid*, with some supplementary material as well, including selections from Caesar's *Commentarii de Bello Gallico*. Throughout the year students will learn to identify and explicate the literary devices employed by Virgil, to properly scan and recite dactylic hexameter, and to analyze the major themes present in the text. Through various readings, lessons, class discussion and personal research, they will further explore the religious, social and political culture of the Ancient Romans as well. Students will also prepare to contend on the National Latin Exam, a prestigious nation-wide examination that takes place during the spring semester.

462 AP Latin

Grade 12

1 Credit

*Prerequisite: Grade average of 85 or higher in Latin 3*

In this highest-level Advanced Placement Latin course, students will read largely from Virgil's *Aeneid*, with some supplementary material as well, including selections from Caesar's *Commentarii de Bello Gallico*. Students enrolled in AP Latin will translate, parse, and analyze the entire AP Latin curriculum and take the AP Latin Exam in May. Through various readings, lessons, class discussion and personal research, they will further explore the religious, social and political culture of the Ancient Romans as well. All students will also prepare to contend on the Advanced Poetry or Advanced Reading Comprehension level of the National Latin Exam, a prestigious nation-wide examination that takes place during the spring semester.

401 Spanish 1

Grades 9, 10, 11, 12

1 Credit

A communicative approach is used to teach this course. Emphasis is placed on the student becoming a competent communicator. In the first year, the focus is on vocabulary, introductory grammatical concepts, and the introduction to Hispanic culture and geography through a variety of music, brief readings, and short length films. This course introduces the student to the four language skills of listening, speaking, reading, and writing. A student should be able to speak well enough to communicate within his/her range of experience, read, write, and understand the material covered. Spanish culture is introduced as part of the curriculum with the inclusion of cultural readings and video segments. Some projects, readings, songs, holiday customs, and cuisine are included.

403 Honors Spanish 1

Grade 9, 10, 11, 12

1 Credit

*Prerequisite: Achieving over an 80 percentile composite score on the HSPT or permission of instructor.*

This intensive course focuses on the student becoming a competent communicator through the development of listening, speaking, reading and writing skills at a higher level. In addition to studying vocabulary for a variety of situations, the focus is on grammatical concepts along with Hispanic culture and geography through authentic readings, songs, research and short length films. Oral presentations, essays, and projects (independent and group) are intrinsic to the curriculum. This course requires personal responsibility and determination and includes preparation and review outside of the classroom. Students should assume challenging coursework in this class.

406 Spanish 2

Grades 9, 10, 11, 12

1 Credit

*Prerequisite: Passing grade in Spanish 1*

Level 2 continues in the advancement of the four basic language skills: speaking, writing, reading, and listening. Much of the class is conducted in Spanish with the expectation that students will use the target language to communicate to the best of their ability. This course continues to build vocabulary, develop and reinforce grammatical concepts along with fostering knowledge and appreciation of Hispanic culture. This course is project-based as students learn best by doing. This course leads the student to a practical control of the four basic language skills with an emphasis on communication and self-expression in the language. The course continues to develop and reinforce an understanding of the fundamentals of Spanish grammar and a familiarity with Hispanic culture.

418 Honors Spanish 2

Grades 9, 10, 11, 12

1 Credit

*Prerequisite: Grade of 85 or above in Honors Spanish 1 or Grade of 87 or above in Spanish 1 and an 87 or above on the Honors Spanish 1 final exam.*

This intensive level course continues in the advancement of the four language skills: speaking, writing, reading, and listening. The majority of the class is conducted in Spanish, in accordance with ACTFL standards, with the expectation that students will use the target language in all communication. This course continues to build vocabulary, develop and reinforce grammatical concepts along with fostering knowledge and appreciation of Hispanic culture.

This course prepares students for advanced-level Spanish classes through a variety of authentic readings, projects and oral presentations of longer lengths along with regularly assigned essays. This leads the student to a stronger control of the four language skills, with an emphasis on communication and self-expression in the language. This course requires personal responsibility and determination as more material is covered and students are expected to consistently review material outside of the classroom.

407 Spanish 3

Grades 10, 11, 12

1 Credit

*Prerequisite: a grade of 70 or above in Spanish 2*

This course begins with a review of the essential concepts learned in the first two years and provides for the development and expansion of vocabulary as well as advanced grammatical structures. Oral presentations, essays, readings, and projects are integral to this course. Students at this level will be speaking and participating in the target language to the best of their ability. Hispanic culture is studied through various media and short literary readings by noted Hispanic authors. This course assists the student to grow in language ability and cultural appreciation. It reinforces the foundation already acquired in levels one and two and provides for the development and expansion of vocabulary, useful conversation, and grammatical structures. Oral presentations, essays, and projects are also part of the curriculum.

431 Honors Spanish 3

Grades 10, 11, 12

1 Credit

*Prerequisite: Grade of 85 or above in Honors Spanish 2 or Grade of 87 or above in Spanish 2 and an 87 or above on the Honors Spanish 2 final exam.*

This advanced level course begins with accelerated review of the essential concepts learned in the first two years. This faster-paced course provides for the development and expansion of vocabulary as well as advanced grammatical structures. Oral presentations, essays, in-depth readings, and projects are integral to this course. Students at this level should be comfortable speaking and participating in the target language. Hispanic culture is studied through various media and short literary readings by noted Hispanic authors. Oral proficiency and fluency are emphasized. More material will be covered than the regular Spanish 3 class with the goal of enhancing the student's language skills.

S448 Spanish Cultures and Conversation

Grades 11, 12

.5 Credit

*Prerequisite: A passing grade in Spanish 3 or Honors Spanish 3.*

This half year project based course strives to foster an appreciation of Spanish culture through the studies of their traditions, customs, art, cuisine and music. During this course, we will focus on countries such as Costa Rica, Mexico, Spain, Dominican Republic and/or Peru. Language study is enhanced through various authentic video and media. Although there is less focus on grammar, the communication method is still Spanish. Find out why Costa Rica is the premiere country in Eco-Tourism. Why is "Pura Vida" their mantra? Discover why the Spanish eat 12 grapes on New Year's Eve. Why is "Day of the Dead" so important to Mexicans? What is molé? Did Frida Kahlo take more selfies than Kim Kardashian? Come find out which Caribbean island is host to two countries. Who built Machu Picchu and why? In the studies of these countries, students will make authentic recipes to share with the class as part of their reports.

445 Honors Spanish 4

Grades 11, 12

1 Credit

*Prerequisite: Grade of 85 or above in Spanish 3 Honors or 87 in Spanish 3*

In this accelerated course, students are challenged using a variety of authentic materials from textbooks, the Internet, films, some television, and international as well as local community newspapers. Emphasis is placed on speaking in the target language through presentations and debate to express opinions, wishes, and beliefs. Written fluency is gained through the composition of research papers, opinion pieces, and analyzing short stories, poems, and legends. Personal responsibility is expected since the review of basic concepts takes place outside of the classroom. This course helps the student develop greater facility in both oral and written expression of the language. This goal is accomplished through continued reinforcement of previously-learned grammatical structures with an emphasis on creative expression, and by the careful study of short literary selections and culturally authentic materials. Hispanic culture is also studied in-depth through selected films, music, and research-based projects.

446 Honors Spanish 5

Grades 11, 12

1 Credit

*Prerequisite: Grade of 85 or above in Spanish 4 Honors or 87 in Spanish 4*

In this accelerated course, often taught in conjunction with Spanish 4, students are challenged by using a variety of authentic materials from textbooks, the Internet, films, some television, and international as well as local community newspapers. Emphasis is placed on speaking in the target language through debate by expressing opinions, wishes, and beliefs. Written fluency is gained through the composition of research papers, opinion pieces, and analyzing short stories, poems, and legends. Personal responsibility is expected since the review of basic concepts takes place outside of the classroom. This course helps the student develop greater facility in both oral and written expression of the language. This goal is accomplished through continued reinforcement of previously-learned grammatical structures with an emphasis on creative expression, and by the careful study of short literary selections and culturally authentic materials. Hispanic culture is also studied in-depth through selected films, music, and research-based projects.

412 French 1

Grades 9, 10, 11, 12

1 Credit

A communicative approach is used to teach this course. Emphasis is placed on the student becoming a competent communicator. In the first year, the focus is on vocabulary, introductory grammatical concepts, and the introduction to Francophone culture and geography through a variety of music, brief readings, and short length films. This course introduces the student to the four language skills of listening, speaking, reading, and writing. A student should be able to speak well enough to communicate within his/her range of experience, read, write, and understand the material covered. French culture is introduced as part of the curriculum with the inclusion of cultural readings and video segments. Some projects, readings, songs, holiday customs, and cuisine are included.

422 French 2

Grades 9, 10, 11, 12

1 Credit

*Prerequisite: Passing grade in French 1*

Level 2 continues in the advancement of the four basic language skills: speaking, writing, reading, and listening. Much of the class is conducted in French with the expectation that students will use the target language to communicate to the best of their ability. This course continues to build vocabulary, develop and reinforce grammatical concepts along with fostering knowledge and appreciation of Francophone culture. This course is project-based as students learn best by doing. This course leads the student to a practical control of the four basic language skills with an emphasis on communication and self-expression in the language. The course continues to develop and reinforce an understanding of the fundamentals of French grammar and a familiarity with Francophone culture.

423 French 3

Grades 10, 11, 12

1 Credit

*Prerequisite: Passing grade in French 2*

This course begins with a review of the essential concepts learned in the first two years and provides for the development and expansion of vocabulary as well as advanced grammatical structures. Oral presentations, essays, in-depth readings, and projects are integral to this course. Students at this level will be speaking and participating in the target language to the best of their ability. Francophone culture is studied through various media and short literary readings by noted Francophone authors. This course assists the student to grow in language ability and cultural appreciation. It reinforces the foundation already acquired in levels one and two and provides for the development and expansion of vocabulary, useful conversation, and grammatical structures. Short oral presentations, essays, and projects are also part of the curriculum

425 Honors French 3

Grades 10, 11, 12

1 Credit

*Prerequisite: Grade of 85 or above in French 2 Honors or 87 or above in French 2*

This advanced level course begins with a review of the essential concepts learned in the first two years. This faster-paced course provides for the development and expansion of vocabulary as well as advanced grammatical structures. Oral presentations, essays, in-depth readings, and projects are integral to this course. Students at this level should be comfortable speaking and participating in the target language. Francophone culture is studied through various media and short literary readings by noted Francophone authors. This course assists the student to grow in language ability and cultural appreciation. It reinforces the foundation already acquired in levels one and two and provides for the development and expansion of vocabulary, useful conversation, and grammatical structures. Short oral presentations, essays, and projects are also part of the curriculum.

428 Honors French 4

Grades 11, 12

1 Credit

*Prerequisite: Grade of 85 or above in French 3 Honors or 87 or above in French 3*

In this accelerated course, students are challenged using a variety of authentic materials from textbooks, the Internet, films, some television, and international as well as local community newspapers. Emphasis is placed on speaking in the target language through debate by expressing opinions, wishes, and beliefs. Written fluency is gained through the composition of research papers, opinion pieces, and analyzing short stories, poems, and legends. Personal responsibility is expected since the review of basic concepts takes place outside of the classroom. This course helps the student develop greater facility in both oral and written expression of the language. This goal is accomplished through continued reinforcement of previously-learned grammatical structures with an emphasis on creative expression, and by the careful study of short literary selections and culturally authentic materials. Francophone culture is also studied in-depth through selected films, music, and research-based projects.

429 Honors French 5    Grades 11, 12

1 Credit

*Prerequisite: Grade of 85 or above in French 4 Honors*

In this accelerated course, students are challenged using a variety of authentic materials from textbooks, the Internet, films, some television, and international as well as local community newspapers. Emphasis is placed on speaking in the target language through debate by expressing opinions, wishes, and beliefs. Written fluency is gained through the composition of research papers, opinion pieces, and analyzing short stories, poems, and legends. Personal responsibility is expected since the review of basic concepts takes place outside of the classroom. This course helps the student develop greater facility in both oral and written expression of the language. This goal is accomplished through continued reinforcement of previously-learned grammatical structures with an emphasis on creative expression, and by the careful study of short literary selections and culturally authentic materials. Francophone culture is also studied in-depth through selected films, music, and research-based projects.



## **Visual Arts**

The Pope Francis Visual Arts Department strives to create a passionate and rigorous studio art curriculum that fosters individual expression as well as technical skills. Students explore the Elements and Principles of art with exciting and challenging projects that are designed to develop problem-solving techniques while building a strong foundation in visual communication. Students explore many different mediums and artistic approaches while studying various art movements and past and contemporary artists. Observational drawing is emphasized and woven throughout the curriculum to enhance visual training. The studio art courses at Pope Francis Preparatory School include: Foundations of Art I, Foundations of Art II, Advanced Art, Pottery, Illustration, Photography and Printmaking, Sculpture (3 Dimensional Art) and Modern Art and AP Art and Design. Independent art studies are offered to art students who have completed advanced art and want to focus on portfolio building for application to art schools. Students are encouraged to participate in art competitions, art shows, portfolio days and attend art galleries and museums. Past field trips include: The Boston Museum of Fine Arts, Smith College Museum of Art, Mt. Holyoke Museum of Art and MASS MoCA. The Visual Arts Department encourages dialogues with the greater arts community and invites local artists into the classroom for projects and presentations.

### **S710 Foundations of Art 1**

Grades 9, 10, 11, 12

.5 Credit

This course is designed to offer students a comprehensive overview of the visual arts. This class will be a hands-on introduction to a wide variety of artistic disciplines, including: drawing, painting, ceramics, and sculpture. This course will also serve as a foundation for understanding art history, composition, and design. Methods of instruction will be through guided lessons, working from observation, and exercises from imagination. Students in Foundations of Art I are challenged to think critically about their own work and the work of their peers through regularly planned critiques and discussions.

### **S711 Foundations of Art 2**

Grades 9, 10, 11, 12

.5 Credit

*Prerequisite: Passing grade in Foundations of Art: I or permission of instructor based on portfolio*

This course is designed to explore a variety of approaches, strategies, and techniques in 2dimensional art. Students will be guided through the creative process from sketches to finished works. Lessons will include working from direct observation, using photographic sources, and building an image through imagination. Some of the materials used in this course will include: charcoal, graphite pencils, color pencils, watercolor paint, and India ink. In addition to building technical skills, students are challenged to think critically about their own work and the work of their peers. Students will be expected to participate actively in class critiques and discussions.

### **S753 Art 3**

Grades 10, 11, 12

.5 Credit

*Prerequisites: Passing grade in Foundations of Art: I and II*

The Art 3 course is designed to be a more mature approach to artistic production. Students are expected to be involved in their own artistic exploration. The curriculum is organized to offer maximum flexibility in student directed projects. The emphasis is on creative problem solving and continued technical and intellectual growth. A wide range of media is available. Student portfolio preparation for college admission can be part of the course work. Students are also encouraged to participate in local art shows and contests as part of this course.

S754 Art 4 Grades 11, 12 .5 Credit

*Prerequisites: Passing grade in Art 3*

The Art 4 course is primarily for the advanced art student who is looking for an intensive, portfolio building class. Students will continue to develop their body of work while exploring a variety of approaches and materials. Students will learn how to photograph their work properly for college submissions.

S708 Sculpture Grades 10, 11, 12 .5 Credit

*Prerequisites: Passing grade in Foundations of Art 1 and 2 or permission of instructor*

This course will offer students a comprehensive overview of the visual arts. This class will be a hands-on introduction to a wide variety of artistic disciplines, with a greater focus on the sculptural arts. Some of the materials students will work with include: clay, wire, paper mache, wood, and plaster. Sculptural methods taught in this class will include subtractive, additive, assemblage, relief, and clay hand building, as well as traditional approaches to drawing and painting. Students in the sculpture class will be challenged to think critically about their own work and the work of their peers through regularly planned critiques and discussions

S748 Making Modern Art Grades 10, 11, 12 .5 Credit

*Prerequisite: Passing grade in Foundations of Art 1 and 2 or permission of instructor*

This course is a hands-on survey of the past 150 years of artistic movements that have shaped the Art of Today. The course is designed to offer students an overview of the rapidly changing methods of artistic expression, primarily in the 20<sup>th</sup> century, and then create art works that reflect the essence of these movements. The following art movements will be presented as the inspiration of some of the projects made by the students: Abstraction, Cubism, Dadaism, Expressionism, Surrealism, Pop Art, Street Art, and Conceptual Art. The emphasis in this class will be to deepen the students' understanding for "how and why" these diverse art movements became an integral part of our 21<sup>st</sup> century perceptions of art. As with all classes in the Art Department, this class will challenge the critical thinking of the students and provide time to reflect on their own work and the work of their peers. This course will also provide an opportunity for students to explore new styles and techniques, broadening their art portfolio. This must be done at the time of the course selection process.

S720 Cartooning and Illustrated Arts Grades 10, 11, 12 .5 Credit

*Prerequisite: Passing grade in Foundations of Art 1 and 2*

This course is designed to offer an in depth study of the basic disciplines of the visual arts, with a focus on illustration. The students will work with the foundation principles and elements of art while developing their understanding of how illustration manifests in a variety of ways in the world. An emphasis will be placed on creating artworks that are well designed and composed. This course will also include: topics from art history, understanding art vocabulary, methods and ways to present artwork, artist biographies, and development of a portfolio.

S743 Ceramics 1 Grades 10, 11, 12 .5 Credit

*Prerequisite: Passing grade in Foundations of Art 1 and 2*

This is a fundamental course in creating functional and sculptural objects in clay. It is the study of one of the oldest crafts using contemporary materials and ideas. Students in Ceramics 1 will learn the basics of the potter's wheel, which includes centering and making small functional forms, glazing and hand building. Students will learn the coil, slab, and pinch methods of hand building while learning about the elements and principles of art and how they are applied to three dimensional forms. Students will be expected to plan and draw their designs in a process sketchbook prior to hands on building.

S744 Ceramics 2 Grades 10, 11, 12 5 Credit

*Prerequisite: Passing grade in Ceramics 1*

This course is designed for the more advanced art student who seeks to increase their skills in wheelwork, design and sculptural hand building techniques. Emphasis will be on building a cohesive body of work, keeping a detailed process journal, critiques and an artist's statement. Students are expected to have a strong work ethic, work independently and assist their peers.

S745 Art Independent Study                      Grade 12                      .5 Credit

746 Art Independent Study                      Grade 12                      1 Credit

*Prerequisite: Grade 12 or Permission of teacher*

This course is offered to students who have a passing grade in the Advanced Art course and wish to continue portfolio work. A comprehensive, focused outline of expectations and assignments must be developed by the student and the art teacher.

AP Art and Design: The AP Art and Design course framework is composed of course skills, big ideas, essential questions and enduring understandings, learning objectives, and essential knowledge. AP Art and Design skill categories delineate overarching understandings central to the study and practice of art and design. Each of the three skill categories consists of skills that encompass foundational to advanced learning over the span of the course. Students need to develop, practice, and apply these skills in a variety of contexts.

The AP Art and Design course framework is made up of three big ideas.

Big Idea 1: Investigate materials, processes, and ideas.

Big Idea 2: Make art and design.

Big Idea 3: Present art and design.

In an AP Art and Design course, students develop the skills that artists and designers use, and create a portfolio of work that is assessed to produce their AP score.

The AP Art and Design program includes three different courses and portfolio exams.

756 AP 2-D Art and Design                      Grades 10, 11, 12                      1 Credit

AP 2-D Art and Design is an introductory college-level two-dimensional design course. Students refine and apply skills and ideas they develop throughout the course to produce two-dimensional art and design.

757 AP 3-D Art and Design Grades 10, 11, 12 1 Credit  
AP 3-D Art and Design is an introductory college-level three-dimensional design course. Students refine and apply skills and ideas they develop throughout the course to produce three-dimensional art and design.

758 AP Drawing Grades 10, 11, 12 1 Credit  
AP Drawing is an introductory college-level drawing course. Students refine and apply skills and ideas they develop throughout the course to produce drawings.

S726 Artistic Approach to Sustainable Gardening Grade 11,12 .5 Credit (Spring Semester)  
This course is designed to introduce to students the basic methods and approaches to creating a small market garden. During the semester class students will learn about sustainable horticultural practices while planning and implementing garden beds. Our class work will also include artistic activities and projects that enhance the beauty of the garden while developing an understanding for how a garden can become an expression of Public Art.

## **Performing Arts**

In this department can also be found the courses of Theater, Acting 1 and Acting 2 as well as Chorus. Chorus may be taken multiple times for credit. Students are encouraged to grow and evolve as performing artist with emphasis on expression, creativity and performance.

S770 Introduction to Theater Grades 9, 10, 11, 12 .5 Credit  
This course is designed to give students the knowledge they would need to produce a play. The course covers producing a play (the production, pre-rehearsal activities and rehearsal); producing a musical, stage settings, lighting and sound, costuming and make-up. Students will receive a comprehensive education regarding all things theater and play production within this course.

S771 Acting 1 Grades 9, 10, 11, 12 .5 Credit  
*Prerequisite: Passing grade in Introduction to Theater or permission of instructor based on theatrical experience*  
This course is designed to give students the knowledge and skills of stage acting. The course covers voice and diction, all types of acting, using the voice effectively and extensive experience onstage and rehearsing. Students work toward a final production of scenes from the American Theater. The course helps students build creative thinking skills, public speaking skills, and overall confidence.

S772 Acting 2 Grades 10, 11, 12 .5 Credit  
*Prerequisite: Passing grade in Acting I*  
This intermediate-level acting class is designed for students with a half year of experience or more, and promotes enjoyment and appreciation for all aspects of theater through opportunities to build significantly on existing skills. Class work focuses on improvisation, creative dramatics, and scene work which are used to help students challenge and strengthen their acting skills and explore the technical aspect of scene work. As students gain skills and experience, they explore the relationships among technology, theater, and theater's sister arts. Acting II provides opportunities for students to strengthen skills in critical listening and thinking, as well as stage presence, ensemble work, and aesthetic response through understanding of the organizational structures and historical and cultural influences on theater. Students will receive training for the audition process.

<u>S703 Chorus</u>	Grades 9, 10, 11, 12	.5 Credit
<u>704 Chorus Full Year</u>	Grades 9, 10, 11, 12	1 Credit

Students in Chorus will engage in vocal development exercises, musical literacy instruction, and preparation of multi-part choral selections for performance. They will learn melodies and harmonies in songs to perform at an end-of-semester concert, as well as several masses and occasional special events. Musical selections will reflect a wide range of cultures, time periods and styles, to help students connect and grow as caring global citizens.

<u>S778 Introductory Band</u>	Grades 9, 10, 11, 12	.5 Credit
<u>798 Introductory Band Full Year</u>	Grades 9, 10, 11, 12	1 Credit

This course serves as an introductory instrumental course for students with little or no experience playing an instrument. Students are given individual or small group instruction on their chosen instrument, as well as practice time during class. They are required to practice the skills they are learning daily, in addition to the practice time during the class period. They will learn sequentially the skills to read and perform music from standard notation and chord symbols. With this individual instruction every class period, and routine practice, they should advance quickly, and potentially be prepared to participate in the band following a semester of study. Each student will prepare music to perform individually and/or with a small group at the end-of-semester concert. Musical selections will reflect a wide range of cultures, time periods and styles, to help students connect and grow as caring global citizens.

<u>S779 Band/Orchestra</u>	Grades 9, 10, 11, 12	.5 Credit
<u>799 Band/Orchestra Full Year</u>	Grades 9, 10, 11, 12	1 Credit

Band/Orchestra offers students who already have experience playing a musical instrument the opportunity to progress individually while learning the skills to play with a varied group of instruments. Instruction will be aimed at establishing musical literacy, improving upon individual and ensemble performance skills, and preparing selections of music to perform at an end-of-semester concert. Each student is expected to be applying what is learned in class, practicing on their own at least five times per week, and learning their instrumental parts for performance. Musical selections will reflect a wide range of cultures, time periods and styles, to help students connect and grow as caring global citizens.

<u>S775 Guitar Ensemble</u>	Grades 9, 10, 11, 12	.5 Credit
<u>795 Guitar Ensemble Full Year</u>	Grades 9, 10, 11, 12	1 Credit

This course is open to students who play guitar, or would like to begin learning guitar. Students will receive weekly small group instruction at their current level, individual practice time, and will prepare and rehearse music with the group, to perform at the end of semester concert. Musical selections will reflect a wide range of cultures, time periods and styles, to help students connect and grow as caring global citizens.

<u>S776 Percussion Ensemble</u>	Grades 9, 10, 11, 12	.5 Credit
<u>796 Percussion Ensemble Full Year</u>	Grades 9, 10, 11, 12	1 Credit

This course is open to students who play percussion or piano, or would like to begin learning percussion. Students will receive small group drum/percussion instruction at their current level, some practice time, and will prepare and rehearse music with the group, to perform at the end of semester concert. Musical selections will reflect a wide range of cultures, time periods and styles, to help students connect and grow as caring global citizens.

S777 Music and Social Justice Movements      Grades 9, 10, 11, 12      .5 Credit

In this non-performance course, students will explore the integral role music has played in major social justice movements in American history. In two introductory lessons, students examine how “the beat” in American popular music has both brought people together and threatened the status quo, as they discover how musical performance has been used as a way to promote awareness and encourage activism. The lessons then detail music’s role in specific social justice movements, from the Civil Rights, Anti-War, and Women’s movements in the 1960s to the Black Power and Red Power movements in the early 1970s. In Civil Disobedience: Fighting Segregation in New Orleans, students consider how small, individual actions might contribute to social justice.

## **Technology Department**

The Technology Department offers elective courses to enhance students experience and interests at Pope Francis Preparatory School. These elective courses include Digital Literacy Foundations, Visual Communications, Computer Science Fundamentals, Web Design, Yearbook Design and Production, Video Editing and Animation and Video Productions. Each student enters into these opportunities with different academic abilities, learning styles and interest levels in each of the subject matters. As a department, teaching methods are varied to help lead to success for each of the students in gaining a mastery of the subject matter. The department also recognizes that many of the courses within the department are a means of helping a student see if they have an aptitude to continue their studies and/or future employment in these areas. The curriculum is designed to challenge and motivate each student to meet their personal goals. Overall, the department strives to educate the whole student to succeed in the technologically immersed society that exists today.

S625 Digital Literacy Foundations      Grades 9, 10, 11, 12      .5 Credit

Every person who uses the internet is part of a society called cybersociety or digital society. In order to be an effective citizen, students need to be more than just safe online. They need to be able to find, evaluate, create, and communicate information that require both cognitive and technical skills across many modalities. Every student needs to develop empathy that will help them to collaborate with others regarding ethical issues that will affect their everyday life.

S626 Visual Communications      Grades 9, 10, 11, 12      .5 Credit

*Prerequisite: Passing grade in Digital Literacy Foundations*

This course introduces students to a hands-on approach to visual communication design. Students will explore topics of design thinking, color theory, visual perception theories, typography, symbols, brand identity, logos, while working on a variety of information design projects.

S627 Computer Science Fundamentals      Grades 9, 10, 11, 12      .5 Credit

According to the U.S. Department of Labor Bureau of Labor Statistics (BLS), the computer and information technology field is expected to grow by 13 percent from 2016-2026 — faster than the average growth rate of all occupations. Mapped to CSTA standards, this course allows students to explore many topics within computer science like computational thinking, problem solving, programming, physical computing, user-centered design, and data. Every project will inspire students to take risks, work collaboratively, and problem-solve while they are developing their technical skills.

S602 Web Design Grades 9, 10, 11, 12 .5 Credit

Web Design is a half-year course where students create Web pages using Adobe Dreamweaver. The pages will include: links, images, tables, forms, templates, style sheets, layers, image maps, navigation bars, frames, animations, behaviors, time lines and media objects. In addition to learning how to use Dreamweaver, the course will expose students to proper Web site design and management techniques. The students will become familiar with procedures to create Web sites suitable for school, work and personal use.

S618 Video Editing and Stop Action Animation Grades 10, 11, 12 .5 Credit

The course will focus on getting comfortable with each aspect of video editing. It will cover the phases of post-production from the initial phases and organization to editing and refining the timeline, correcting audio, media and delivering the final project. We will learn working with effects and color correcting footage as well as the workflow. Also in this course we will cover a study of animation techniques. Half of the student's grade in this course will be based on the number and quality of independent projects completed. The other half of the student's grade will be based on video editing done in support of the daily announcement productions. Students enrolled in this course will have up to 1 year to complete the coursework. Students will be expected to attend some after school production meetings. A lab period will appear in the student's schedule during one of the semesters to allow the student to reserve time with the school's editing equipment.

S619 Video Productions Grades 10, 11, 12 .5 Credit

In video productions you will learn about producing your own videos from a simple short to a feature length. Students will learn about what it takes to make a great film from a well written screenplay to getting your first film green lit. We will look at the history of film as well as what came before all the digital screens. Every day we will direct and produce a morning show that will be featured in every classroom. Half of the student's grade in this course will be based on the number and quality of independent projects completed. The other half of the student's grade will be based on participation in the various roles required to produce the daily announcements such as Producer, Director, Camera Operator, Teleprompter, Control Room Technician, On Air Talent, etc. Students enrolled in this course will have up to 1 year to complete the coursework. Students will be expected to attend some after school production meetings and before school production prep. A lab period will appear in the student's schedule during one of the semesters to allow the student to reserve time with the school's production equipment.

S638 Advanced Video Productions Grades 10, 11, 12 .5 Credit

639 Advanced Video Productions Full Year Grades 10, 11, 12 1 Credit

*Prerequisite: Passing grade in Video Productions and Video Editing and Stop Action Animation*

Students enrolled in Advanced Video Productions will participate on production teams to support various school activities, including but not limited to: Daily Announcements, Liturgical Services, Sporting Events, Performing Arts Productions and other projects. Students will be expected to participate in some activities outside normal school hours. To accommodate in-school activities and to offset after school activities, a Study Hall will be added to the student's schedule. Students taking this course should be motivated independent workers. Based on their own interests, students will have the opportunity to expand their knowledge of the concepts learned in the prerequisite courses. Students may enroll in this course multiple times.

S601 Yearbook Design and Production Grades 9,10, 11, 12 .5 Credit

631 Yearbook Design and Production Full Year Grades 9,10, 11, 12 1 Credit

In this course, you will gain, develop, and master skills in one or multiple areas of the yearbook creation process. Students will gain knowledge and hands-on experience in the areas of page design, digital photography, copywriting, marketing, and project planning. Beyond developing these individual skills, this class will focus on working towards a single, shared goal: to create the most memorable yearbook Pope Francis Preparatory has ever seen. Students may enroll in this course multiple times.

## Wellness and Fitness

## S907 Wellness 1

Grade 9

.5 Credit

*Required course for all freshmen beginning with the class of 2022*

In the Wellness 1 Program students will be encouraged to develop appropriate attitudes, behaviors and skills necessary to build a healthy lifestyle. Through participation in a variety of individual/team sports and recreational activities, students will develop the knowledge and skills of physical fitness. Students will be introduced to the basic exercises in the Fitness Room. Health awareness concepts will also provide students with essential knowledge and decision-making skills for a healthy lifestyle. Students will be encouraged to apply principle of health and wellness to their own lives. A developments guidance program will be incorporated as well, as the students begin to plan their journey through high school and beyond.

## S908 Wellness 2

Grades 10, 11, 12

.5 Credit

### *Preference for enrollment given to seniors*

The Wellness 2 course is designed for those students who are enthusiastic and enjoy actively participating in individual/team sports as well as recreational activities. Through participation in a variety of activities, emphasis will be placed on game play strategies, understanding the concepts of teamwork and to develop a person's own personal skill level in each of the activities.

## S909 Strength and Conditioning

## Grades 11, 12

**.5 Credit**

*Prerequisite: Permission of instructor*

This course is intended for upperclassmen with an interest in strength and conditioning and leading a healthy lifestyle in the collegiate setting. Emphasis will be placed on physical fitness and nutrition. Through hands-on learning in the fitness facility, students will explore topics such as mobility, flexibility, plyometric training, weight training, functional movement patterns and more. This course will also aid in preparing students for the transition to college, focusing on a holistic approach to personal growth and wellness. Students will set personal fitness goals, follow individualized workout plans, and explore different methods of achieving short and long-term goals in the fitness world. Grading will be based upon a student's ability to engage and participate in class as well as successfully complete assignments. At the conclusion of the course, students will have better knowledge of strength and conditioning techniques as well as how to accomplish their personal fitness goals both now and in the future.

## S905 Martial Arts for Health and Well-Being

Grades 10, 11, 12

**.5 Credit**

Stressed? Looking for a way to improve your health, while developing an overall feeling of well-being?

This course will provide you with the skills to improve health while learning the soft-style martial art of T'ai Chi Ch'uan. The slow, meditative movements of this martial art allows one to gradually reduce stress, increase balance, and develop an understanding for internal strength. This course will also include a study of Taoism through the translations of Lao Tzu's "Tao The Ch'ing".



## Alternative Courses

<u>S004 Learning Lab</u>	Grades 9, 10, 11, 12	.5 Credit
<u>003 Learning Lab Full Year</u>	Grades 9, 10, 11, 12	1 Credit

### *Teacher and Guidance Department recommendation*

Students that have some academic challenges may be recommended to be placed into a Learning Lab. During this course, students are given direct instruction and help by a teacher. Reinforcement of effective study skills will take place, along with encouragement to utilize other resources within the school, including monitoring of Portals, Khan Academy, receiving additional instruction, after school help etc.

<u>S001 Study Hall</u>	Grades 9, 10, 11, 12	No Credit
<u>010 Study Hall Full Year</u>	Grades 9, 10, 11, 12	No Credit

Students can choose to have a Study Hall during one or both semesters. The scheduled semester for students choosing just a semester study hall will be determined based on the other courses selected.

<u>S800 VHS (Virtual High School)</u>	Grades 11, 12	.5 Credit
<u>801 VHS (Virtual High School) Full Year</u>	Grades 11, 12	1 Credit

*Students taking VHS must be independent learners and be proficient with technology. Only classes NOT offered at PFPS will be allowed to be taken on VHS. If a student fails a VHS class, they must reimburse the school for the cost of the class. A student failing a first semester VHS class will not be allowed to take a VHS class second semester.*

Pope Francis Preparatory School has partnered with the VHS Collaborative, a non-profit pioneer in the area of online learning. Students are able to access over 200 courses with classmates that are distributed geographically across the country and the world. VHS classes are offered at the college prep, honors and AP level. Students enrolled in VHS are scheduled to “meet”. This is not a study hall --- students are expected to log in to VHS every day throughout their daily rotation. It is expected that students also log in from home. VHS courses suggest additional time will be necessary to complete weekly assignments. AP classes suggest students put in 10 plus hours of study each week.