



HOLY SPIRIT
PREPARATORY SCHOOL

Upper School Course Sequences

2016-2017



Six-year Plan

		Grade					
		7	8	9	10	11	12
1	Theology						
2	English						
3	Math						
4	Science						
5	Social Studies						
6	Language / Elective						
7	Other						

Summary of High School Graduation Requirements (College Prep Diploma)

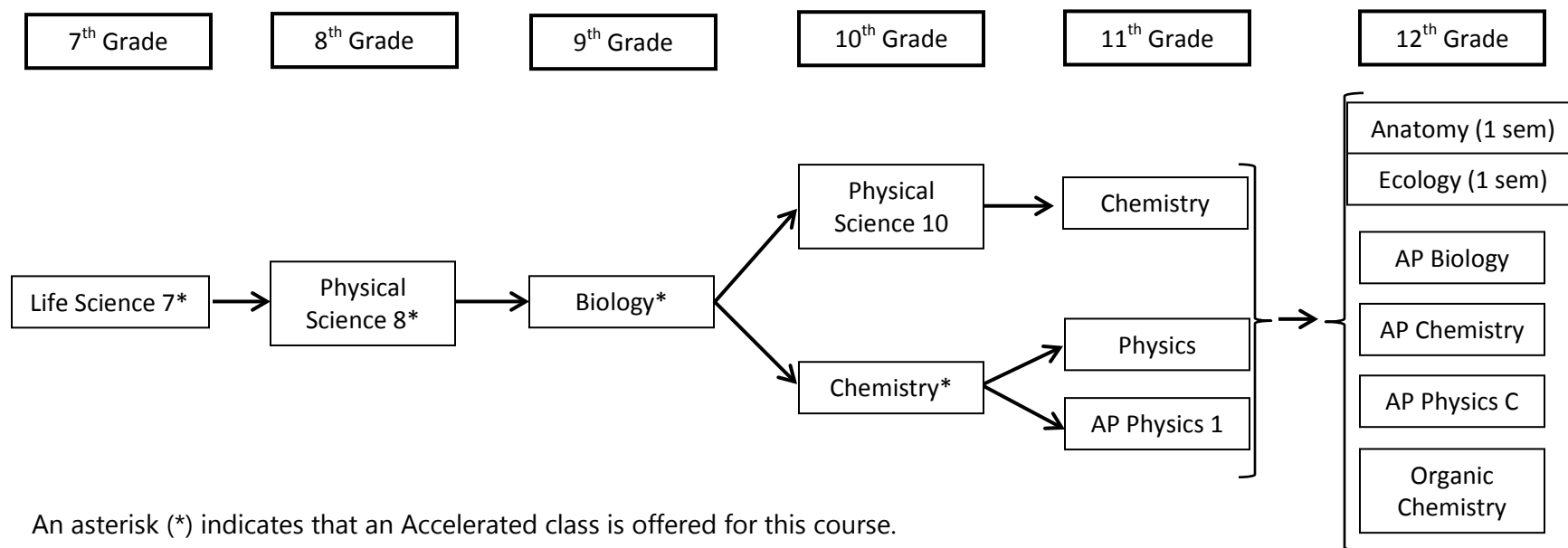
- Theology: 4 credits
- English: 4 credits
- Math: 4 credits
- Science: 4 credits
- Fine Arts: 1 credit (2 semesters)
- Physical Education: 1 credit (2 semesters)
(PE requirement can be met by participation in a sport for 2 seasons)
- 1 Additional credit in any discipline
- Latin I or Greek I
- 2 credits in the same language (Latin, Greek, or Spanish)
- Social Studies:
 - World History
 - U.S. History
 - Western Civilization
 - Economics
 - U.S. Government

Additional Requirements for the Classical Diploma

- At least 1 AP English
- At least 1 AP Math
- At least 1 AP Science
- At least 1 AP Social Studies
- Physics (or AP Physics 1)
- 3 Credits in a classical language (Latin or Greek)
- 2 Additional credits (rather than 1) in any discipline



Science Course Sequence



An asterisk (*) indicates that an Accelerated class is offered for this course.

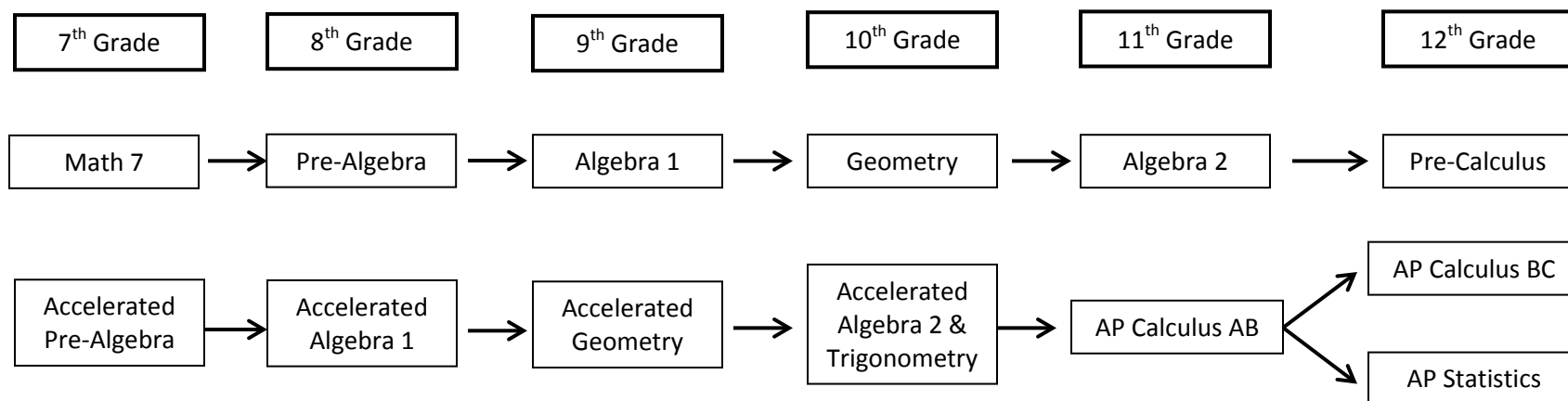
High School Graduation Requirements

1. Biology
2. Chemistry
3. Physical Science 10 or Physics or AP Physics 1
4. Science Elective (1 year or 2 semesters)

Depending on a student's schedule, it might be possible for a student to complete more than 4 Science courses by taking more than 1 course in a given year (if the student meets all necessary pre-requisites).



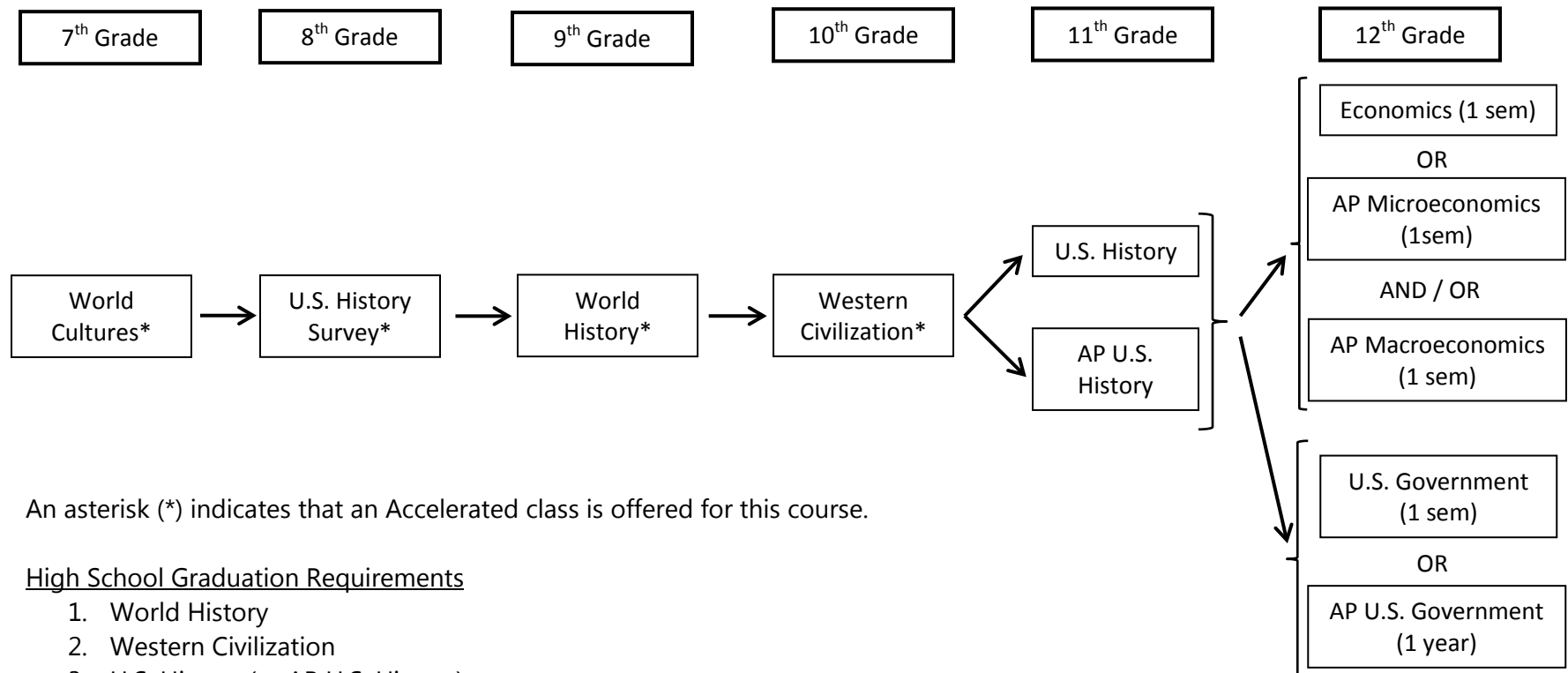
Math Course Sequence



The two sequences shown above are the most common paths followed by HSP students. The Math Department reevaluates the placement of every student at the end of each year and will occasionally move a student from an on-level class to an Accelerated class (or vice versa) in order to serve the needs of the student.



Social Studies Course Sequence



An asterisk (*) indicates that an Accelerated class is offered for this course.

High School Graduation Requirements

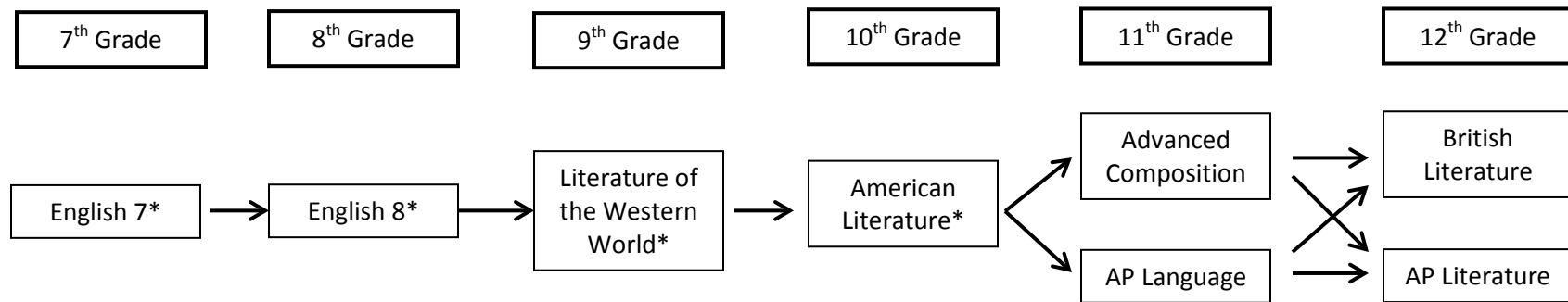
1. World History
2. Western Civilization
3. U.S. History (or AP U.S. History)
4. Economics (or AP Microeconomics or AP Macroeconomics)
5. U.S. Government (or AP U.S. Government)

Other electives offered in Social Studies

1. AP Human Geography (grades 9 – 12)
2. Psychology (grades 11 – 12)

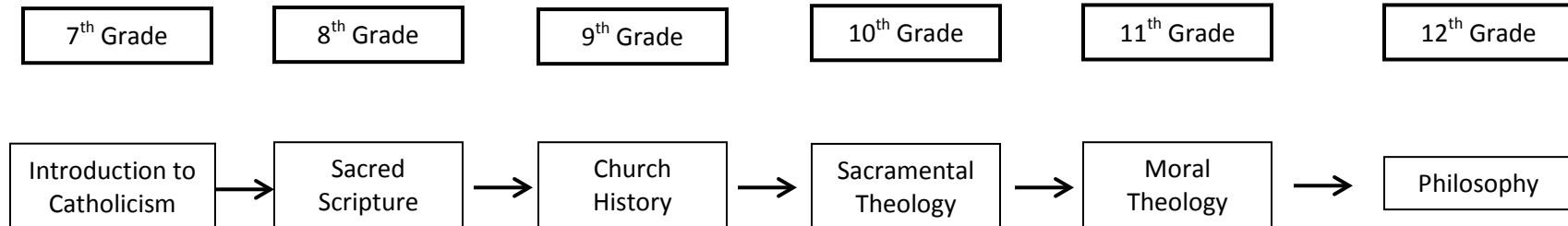


English Course Sequence



An asterisk (*) indicates that an Accelerated class is offered for this course.

Theology Course Sequence



Diploma Offerings: College Prep Diploma

College Prep Diploma: A student must accumulate at a minimum 25 credits to include:

- 4 credits in Mathematics - must include a minimum of Algebra I, Geometry, Algebra II, Pre-Calculus/Trig or Calculus (or, for a transfer student, their equivalent at another institution).
- 4 credits in Social Science - must include World History/Accelerated World History/AP World History, Western Civilization/Accelerated Western Civilization/AP European History, U.S. History/AP U.S. History, U.S. Gov't /AP U.S. Gov't & Politics, and Economics/AP Macroeconomics/AP Microeconomics (or, for a transfer student, their equivalent at another institution) (some Social Science courses are yearlong or semester courses).
- 4 credits in Science - must include a minimum of Biology, Chemistry and Physical Science/Physics (or, for a transfer student, the equivalent at another institution).
- 4 credits in English - must include Literature of the Western World/Accelerated Literature of the Western World, American Literature/Accelerated American Literature, Advanced Composition/AP English Language Composition, and British Literature/AP English Literature (or, for a transfer student, their equivalent at another institution).
- 4 credits of Theology, one for each full school year for which the student is enrolled in high school at Holy Spirit Prep.
- 2 or 3 credits of Foreign Language – prior to graduation, students must complete two consecutive years of the same foreign language taught at HSP. If the student chooses a foreign language other than Latin or Greek for his/her two consecutive year requirement, an additional high school credit in Latin or Greek is also required. A high school Latin or Greek credit may be earned at HSP before entering high school and transferred to the high school transcript at the student's request. If requested, the transferred credit will count as the required Latin or Greek credit but not towards the requirement for two consecutive credits in high school.
- 2 semesters of Fine Arts.
- 2 semesters of Physical Education. Full participation in two sports programs while in high school will fulfill this requirement.
- 1 additional credit in any discipline.

Diploma Offerings: Classical Diploma

Classical Diploma: Must earn a B (81%) average or better for the year for all required courses. A student must accumulate at a minimum, 27 credits taken **at Holy Spirit Prep**, to include:

- 4 credits in Mathematics - must include a minimum of Algebra I, Geometry, Algebra II, Pre-Calculus and Trigonometry, and AP Calculus AB or BC or AP Statistics. Must include at least one AP Mathematics course.
- 4 credits in Social Science - must include World History/Accelerated World History/AP World History, Western Civilization/Accelerated Western Civilization/AP European History, U.S. History/AP U.S. History, U.S. Gov't /AP U.S. Gov't & Politics, and Economics/AP Macroeconomics/AP Microeconomics. Must include at least one AP Social Science course.
- 4 credits in Science - must include a minimum of Biology, Chemistry, and Physics. Must include at least one AP Science course.
- 4 credits in English - must include Literature of the Western World/Accelerated Literature of the Western World, American Literature/Accelerated American Literature, Advanced Composition/AP English Language Composition, and British Literature/AP English Literature. Must include at least one AP English course.
- 4 credits in Theology, one for each full school year for which the student is enrolled in high school at Holy Spirit Prep.
- 3 credits in Classical Languages (Greek and/or Latin) – must include two consecutive years of the same Classical language during the high school (9th through 12th grade) years. High school Classical Language credits may be earned at Holy Spirit Prep before entering high school and transferred to the high school transcript at the student's request. If requested, the transferred will count towards the three required credits but not towards the requirement for two consecutive credits in high school.
- 2 semesters of Fine Arts.
- 2 semesters of Physical Education. Full participation in two sports programs while in high school will fulfill this requirement.
- 2 additional credits in any discipline.

Course Descriptions

English Department

English 7 (1 Year)

Prerequisite: None

This course focuses on a foundation of the understanding of the English Language. In this course, students are given the opportunity to develop and refine their writing and reading comprehension skills in a workshop setting. Through the study of the writing process, students will produce writing that is focused, organized, and well developed, using research and technology to support their work. Students will also develop critical thinking skills through roundtable inquiry discussions based on literary and non-literary works read throughout the year. In order to support students' understanding and use of the English language, grammar and vocabulary instruction is integrated within the context of each thematic unit.

Accelerated English 7 (1 Year)

Prerequisite: Department Chair Recommendation

This course focuses on a foundation of the understanding of the English Language and is designed for motivated students with demonstrated passion for writing and literature. In this course, students are given the opportunity to develop and refine their writing and reading comprehension skills in a workshop setting. Through the study of the writing process, students will produce writing that establishes an appropriate organizational structure; sets a context and engages the reader; maintains a coherent focus throughout; and provides a satisfying conclusion. Students will also develop critical thinking skills through roundtable inquiry discussions based on literary and non-literary works read throughout the year. In order to support students' understanding and use of the English language, grammar and vocabulary instruction is integrated within the context of each thematic unit. Students in the Accelerated course will engage in analysis of more challenging texts and themes and will produce writing that integrates more sophisticated structures and techniques.

English 8 (1 Year)

Prerequisite: None

This course focuses on the continued study of the writing process and aims to guide students toward a more mature and complex analysis of fiction and nonfiction texts across the curriculum. Students will learn to use research and analysis to strengthen their writing across every discipline and will demonstrate understanding and control of the rules of the English language. Using shared inquiry, students will delve deeper into literary texts, identifying and discussing themes as well as literary techniques. Vocabulary instruction is integrated within the context of each thematic unit and incorporates the study of Greek and Latin roots and affixes.

Accelerated English 8 (1 Year)

Prerequisite: Department Chair Recommendation

This course focuses on the continued study of the writing process and aims to guide students toward a more mature and complex analysis of fiction and nonfiction texts across the curriculum. Students will learn to use research and analysis to strengthen their writing across every discipline and will demonstrate understanding and control of the rules of the English language. Using shared inquiry, students will delve deeper into literary texts, learning to communicate their ideas and opinions in a variety of written and spoken forms. Students in the

Accelerated course will engage in analysis of more challenging texts and themes and will produce writing that integrates more sophisticated structures and techniques. Vocabulary instruction is integrated within the context of each thematic unit and incorporates the study of Greek and Latin roots and affixes.

Literature of the Western World (1 Year)

Prerequisite: None

This course focuses upon classics of the Western World from Ancient Greece through contemporary times. Students are guided to recognize universal themes, symbolic patterns, and social values within classical Western literature as well as its historical context and influence. The course integrates the study of literature and the practice of essay writing, both in and out of class, with further study of the writing process. Students will strengthen their understanding of the characteristics of narrative, informative, and argumentative writing, composed for a variety of purposes and audiences. Vocabulary instruction is integrated within the context of each thematic unit.

Accelerated Literature of the Western World (1 Year)

Prerequisite: Department Chair Recommendation

This course focuses upon classics of the Western World from Ancient Greece through contemporary times. Students are guided to recognize universal themes, symbolic patterns, and social values within classical Western literature as well as its historical context and influence. The course integrates the study of literature and the practice of essay writing, both in and out of class, with further study of the writing process. Students will further their understanding of the characteristics of narrative, informative, and argumentative writing. Using inquiry-based Essential Questions as the foundation of each thematic unit, students in the Accelerated course will engage in a deeper analysis of the grade-level texts as well as more challenging texts. Vocabulary instruction is integrated within the context of each thematic unit.

American Literature (1 Year)

Prerequisite: None

American Literature focuses upon classics of American literature from the colonial to the modern period, guiding students to recognize the historical context and influence of American Literature. The course integrates the study of literature and the practice of essay writing, both in and out of class, with further study of the writing process. Students will learn to develop their style while reviewing and practicing the form, organization, and flow of the analytical and research essay writing. Throughout the year, the students will be responsible for vocabulary development, outside reading, and two term papers examining the history of American Literature.

Accelerated American Literature (1 Year)

Prerequisite: Department Chair Recommendation

Accelerated American Literature focuses upon classics of American literature from the colonial to the modern period. The course integrates the study of literature and the practice of essay writing, both in and out of class, with further study of the writing process. Students will formulate in-depth analyses and criticism of literary works, examining extended themes and the use of style and voice of American authors in preparation for Advanced Placement English classes. Students will learn to refine their style while focusing on essay writing. Throughout the

year the students will be responsible for vocabulary development, outside reading, and two term papers examining the history of American Literature.

Advanced Composition (1 Year)

Prerequisite: None

Advanced Composition is designed to enhance students' proficiency in writing across every discipline and for a variety of purposes. Through an in-depth study of the writing process and authors' techniques, students will refine their ability to produce coherent, organized, and well-developed essays. In examining both literary and non-literary texts, written for different purposes and in varying styles and contexts, students will analyze and reflect upon their own writing. Vocabulary and grammar instruction is integrated in order to strengthen students' understanding and application of the conventions of the English language.

AP English Language and Composition (1 Year)

Prerequisite: Department Chair Recommendation

The AP English Language and Composition course is designed to help students become skilled readers of prose written in a variety of periods, disciplines, and rhetorical contexts and to become skilled writers who can compose for a variety of purposes. Through their writing and reading in this course, students will become aware of the interactions among a writer's purposes, audience expectations, and subjects, as well as the way generic conventions and the resources of language contribute to effective writing. The course aims to guide students in defining and recognizing the techniques applied to non-fiction and rhetorical writings and to prepare students for the AP English Language Exam.

British Literature (1 Year)

Prerequisite: None

This year-long course is a comprehensive survey of British literature in all its brilliant diversity. Students will read, study, and analyze various plays, poems, and novels emanating from the United Kingdom, recognizing the historical context and influence of British literature. In addition to refining their narrative, argumentative, and informative writing, students will begin to conduct sophisticated research culminating in an extensive, college-level research paper.

AP English Literature and Composition (1 Year)

Prerequisite: Department Chair Recommendation

The AP English Literature and Composition course is designed to engage students in the careful reading and critical analysis of imaginative literature. Through the close reading of selected texts, students can deepen their understanding of the ways writers use language to provide both meaning and pleasure for their readers. As they read, students will consider a work's structure, style, and themes, as well as such smaller-scale elements as the use of figurative language, imagery, symbolism, and tone. As they work to read and analyze fiction writing at a college level, students will gain experience in using literary critiques as sources in writing, as well as developing their own literary criticisms.

Social Studies Department

World Cultures 7 (1 Year)

Prerequisite: None

This course will introduce students to a number of non-Western civilizations. The four main regions taught over the course of the year will include the Middle East, Africa, East Asia, and Latin America. The class will cover the historical, religious, and cultural aspects of the people of these regions, and offer students a better understanding of their impact on the world. Students will also be given a basic geographic understanding of the regions in which these civilizations developed. Map exercises, movie clips, topical discussions, lectures, presentations, and weekly reading assignments will be employed to help the students better grasp the subject matter. The goal of this course is to present the history and cultures of non-Western peoples from pre-history to the modern day.

Accelerated World Cultures 7 (1 Year) Prerequisite: Department Chair Recommendation

The Accelerated course covers the same topics as World Cultures (7th grade) but goes further in depth and includes more challenging assignments.

United States Survey 8 (1 Year)

Prerequisite: None

This course will offer a study of our history as Americans from the colonization era up to the Cold War. Throughout the course, there will be lessons on politics, economics, law, religion, growth and minority struggles in the United States. A focus will be to connect and explain contemporary U.S. policies in light of their historical context. Each unit will begin with exploration of the contemporary theme by way of news and journal articles, historical context, activities and simulations. These will ground the students in an understanding of how history led to current policy. The goal of this course is to present the history of the United States and gain an understanding of how the American identity developed.

Accelerated United States Survey 8 (1 Year)

Prerequisite: Department Chair Recommendation

The Accelerated course covers the same topics as United States Survey 8 but goes further in depth and includes more challenging assignments.

World History (1 Year)

Prerequisite: None

This course will offer a general overview of the major periods of history from the earliest of times. Mixed in throughout the course will be lessons on politics, law, religion, and minority struggles throughout the world. Debates, topical discussions, lectures, presentations, writing assignments, and weekly reading homework will be used to facilitate student learning. Students will learn how to write expository essays throughout the course to prepare them for the next levels of Social Studies courses at Holy Spirit Preparatory School. The goal of this course is to present the history of the world starting with the ancient Middle East and ending with the Middle Ages.

Accelerated World History (1 Year)**Prerequisite: Dept. Chair Recommendation**

This course will offer a general overview of the major periods of history from the earliest of times. Mixed in throughout the course will be lessons on politics, law, religion, and minority struggles throughout the world. Whenever possible, primary documents and point of view analysis will be incorporated to increase the students' understanding of the material. In addition, movie clips, as well as debates, topical discussions, lectures, presentations, writing assignments, and weekly reading homework will be used to aid the student in understanding the material. Students will learn how to write expository essays throughout the course with emphasis on document based and free response questions to prepare them for the advanced placement courses at Holy Spirit Preparatory School. The goal of this course is to present the history of the world starting with the ancient Middle East and ending with the Middle Ages.

Western Civilization (1 Year)**Prerequisite: None**

Modern Western Civilization examines the political, social, religious, economic, and cultural development of Western nations. Major topics include the rise of nation-states, the Age of Exploration, the Age of Revolution and Reaction, the Industrial Revolution, the Age of Imperialism and the world wars.

Accelerated Western Civilization (1 Year)**Prerequisite: Dept. Chair Recommendation**

Accelerated Western Civilizations is an advanced course which will prepare students for the rigors of Advanced Placement Social Sciences. The course covers the time periods from the Renaissance through the fall of the Berlin Wall. Specific emphasis will be placed on the economic, political, and philosophical movements that altered the course of European History. Students must be self-motivated to go above and beyond the material presented during class time, as this course simulates a college seminar style class. Instructional practices include Socratic teaching, point of view instruction, student debates and simulations, as well as a focused effort on historical writing skills. At the completion of this course, students will be prepared to learn, write, and study in a style similar to that of a college student.

United States History (1 Year)**Prerequisite: None**

United States History examines our nation's history from the discovery of the new world to the modern era. This course provides students with a topical understanding of the nation's social and economic history as well as a history of the nation's involvement in foreign affairs. Major topics/areas include the colonial period, the establishment of the constitutional government, the federalist era, the age of Jackson, the Civil War and Reconstruction, Gilded Age and progressivism, the Great Depression, World Wars, Civil Rights, and the Cold War.

AP United States History (1 Year)**Prerequisite: One accelerated or AP Social Science Course and Dept. Chair Recommendation**

This course is designed to provide a college-level experience and preparation for the Advanced Placement (AP) Examination in May 2015. An emphasis is placed on interpreting documents, mastering a significant body of factual information, and writing critical essays. The nation's history is broken into nine periods: 1491-1607 (Spanish colonization), 1607-1754 (English

colonization), 1754-1800 (revolution and the new republic), 1800-1848 (the market revolution and reform), 1844-1877 (Manifest Destiny and Civil War), 1865-1898 (the development of industrial America and imperialism), 1898-1945 (the first half of the 20th Century), 1945-1980 (the Cold War era), and 1980 to the present.

U.S. Government (1 Semester)

Prerequisite: None

U.S. Government provides students with an understanding of the structures and functions of the federal government. Students will explore the principles of government established by the Constitution and will examine the ways those principles are enacted by the legislative, executive, and judicial branches of government.

AP U.S. Government and Politics (1 Year)

Prerequisite: One accelerated or AP Social Science Course and Dept. Chair Recommendation

Advanced Placement United States Government and Politics is the study of the political process, the study of the structure and functions of the federal government as well as the study of the groups which influence and affect the policy making process. As this is a college level course, students must be self-motivated, self-directed learners who are willing to complete substantial research, reading, and writing outside of the classroom environment. At the completion of this course, students will be prepared to take the Advanced Placement exam.

Economics (1 Semester)

Prerequisite: None

This one semester of economics will provide students with an introduction to macro-economics. Topics will include the basic economic concepts, the measurement of economic performance of a nation, the financial sector, employment, inflation and the critical factors responsible for the U.S. and world economic growth or recession.

AP Macroeconomics (1 Semester)

Prerequisite: Dept. Chair Recommendation

The Macroeconomics course is an AP class designed to provide students with a thorough comprehension of the principles of economics that apply to an economic system as a whole. The topics covered include the basic economic concepts, the measurement of economic performance of a nation, national income and price determination, the financial sector, employment, inflation, and the critical factors responsible for the US and world economic growth or recession. The course is taught using the enquiry approach, which means that students will learn the theories and principles and learn how to apply them to problems. Through this process students will be better placed to understand the fundamental economic concepts and theories applicable to the free market and planned economic systems.

AP Microeconomics (1 Semester)

Prerequisite: Dept. Chair Recommendation

This course covers the basic principles of economic analysis. Economics is the study of how we make choices in the face of scarcity. It offers valuable insight into explaining all manner of social phenomena. Microeconomics is a particular sub-discipline of economics, focusing on particular units of the economy, such as individual consumers or individual firms. This course also provides instruction in basic economic concepts (such as marginal analysis and opportunity costs), supply

and demand, shortages & surpluses, efficiency, taxes and tariffs, costs of production, forms of competition and market structure, factor markets, and market failure. This course also teaches students how to generate charts and graphs that describe economic concepts, as well as how to analyze and interpret these visual aids. This course covers the above topics at the level of an introductory college course in order to prepare students to take the Advanced Placement (AP) Exam in Microeconomics.

Psychology (1 Year)

Prerequisite: None

This course is designed to introduce students to the systematic and scientific study of the behavior and mental processes of human beings and other animals. Students are exposed to the psychological facts, principles and phenomena associated with each of the major subfields within psychology. They also learn about the ethics and methods psychologists use in their science and practice.

AP Human Geography (1 Year)

Prerequisite: Dept. Chair Recommendation

This course is an introductory college class in human geography, designed to provide students with a learning experience equivalent to that obtained in most first year college human geography classes. It introduces students to the systematic study of patterns and processes that have shaped human understanding and assesses the use and alteration of the Earth's surface. Students will be able to employ spatial concepts and landscape analysis to examine human-social organization and its environmental consequences. The units taught include population, migration, culture, language, religion, ethnicity, political geography, economic development, industry, and economic systems. Students are introduced to a range of geographic models, theories, and concepts.

Mathematics Department

Math 7 (1 year)

Prerequisite: None

This 7th grade on-level math course reinforces and builds upon mathematical skills taught in previous classes with additional advanced computation, including an emphasis on algebraic concepts. Students will study fractions, decimals, percentages, positive and negative integers, and rational numbers. Students will be introduced to algebraic symbolism, simplifying expressions, solutions to elementary equations, and the graphic representations associated with variables. They will become more proficient in using ratios, proportions, and solving algebraic equations. Students will develop and expand problem solving skills in order to solve word problems and to think creatively and analytically.

Accelerated Pre-Algebra (1 year)

Prerequisite: Depart. Chair Recommendation

This is the Accelerated course for advanced 7th grade students. In Pre-Algebra, students will learn the foundations of problem solving, algebra, and geometry. There will be an emphasis throughout the course on the development of the abstract reasoning skills needed for success in Algebra 1. Students will be introduced to the basic algebraic topics, including rational numbers, real numbers, functions, graphing, and polynomials. Students will also learn to use proportion and percent, apply proportional reasoning, explore number patterns, and begin studying

statistics and data analysis. Students will be introduced to the basic geometric topics of investigating patterns, using area and volume. Students will also investigate discrete math and probability.

Pre-Algebra 8 (1 year)

Prerequisite: Math 7

In this 8th grade on-level Pre-Algebra course, students will learn the foundations of problem solving, algebra, and geometry. There will be an emphasis throughout the course on the development of the abstract reasoning skills needed for success in Algebra 1. Students will be introduced to the basic algebraic topics, including rational numbers, real numbers, functions, graphing, and polynomials. Students will also learn to use proportion and percent, apply proportional reasoning, explore number patterns, and begin studying statistics and data analysis. Students will be introduced to the basic geometric topics of investigating patterns, using area and volume. Students will also investigate discrete math and probability.

Algebra I (1 year)

Prerequisite: Pre-Algebra 8

This on-level 9th grade Algebra 1 course is a bridge from the concrete to the abstract study of mathematics. This course introduces basic algebraic skills in a logical order, including relations, functions, graphing, systems of equations, radicals, factoring polynomials, rational equations, probability and statistics, and quadratic functions. It emphasizes practical methods of solving first- and second-degree equations and inequalities. This course emphasizes the language, concepts, and techniques that will prepare students to approach and solve problems following a logical succession of steps. Skills taught in the course lay groundwork for upper level math and science courses and have practical uses in everyday life.

Accelerated Algebra I (1 year)

Prerequisite: Acc. Pre-Algebra and Dept. Chair Recommendation

This is the accelerated 8th grade math course; however, it counts as a high school course. The course incorporates the consistent use of real numbers and a problem solving approach. It emphasizes the principles of algebra, including algebraic symbolism, simplifying complex expressions, solutions to linear and quadratic equations, and graphic representations associated with variables. Students will apply algebraic representations to word problems and analyze the nature of changes in linear and non-linear relationships. Skills taught in the course serve as a bridge from the concrete to the abstract study of mathematics, lay groundwork for upper level math and science courses, and have practical uses in everyday life.

Geometry (1 year)

Prerequisite: Algebra I

Covered in this course are the concepts of right triangle trigonometry, vectors, solving triangles, two-dimensional and three-dimensional figures and their properties, logical reasoning and the development of formal proof using theorems and postulates, transformations, congruence, symmetry, and linear functions. The instruction emphasizes visualizing and understanding Euclidean geometric properties and mathematical relationships, making and verifying conjectures, and applying geometric concepts to real-world situations. The student will make extensive connections between geometry and algebraic properties learned earlier.

Accelerated Geometry (1 year)

Prerequisite: Acc. Algebra I and Dept. Chair Recommendation

This course covers all of the topics in the Geometry course in greater depth and at a more abstract level. In addition, students are given the opportunity to explore non-Euclidean geometries and an introduction to circular trigonometry. Greater attention is given to making and verifying conjectures and using algebraic techniques to develop geometric concepts.

Algebra II (1 year)

Prerequisite: Geometry

This course emphasizes facility with algebraic expressions and forms, powers and roots, and functions. Functions (linear, quadratic, polynomial, rational, exponential, and logarithmic) are studied both for their abstract properties as well as their usefulness as tools for modeling realistic situations. These functions are analyzed in their algebraic (symbolic) forms and their graphical representations. This course also includes an introduction to complex numbers, conic sections, and solving systems of equations using matrices. A graphing calculator is required for this course.

Accelerated Algebra 2 & Trigonometry (1 year)

Prerequisite: Acc. Geometry and Dept. Chair Recommendation

This course covers all of the topics in the Algebra II course in greater depth, as well as a full treatment of trigonometry. This course is designed to be immediately followed by AP Calculus AB. This course will cover quadratic, polynomial, rational, exponential, and logarithmic functions, nonlinear systems of equations, conic sections, and a full treatment of trigonometry, including solving triangles, transformations of trigonometric graphs, inverse trigonometric functions, verifying and applying trigonometric identities, and solving trigonometric equations. Students will be asked to combine and apply ideas, tools and reasoning from across their mathematical foundation to address a variety of questions. A graphing calculator is required for this course. The department chair recommendation is strictly enforced for this highly accelerated class.

Pre-Calculus & Trigonometry (1 year)

Prerequisite: Algebra II

This course furthers the study of the algebra, properties, graphs, and applications of polynomial, rational, radical, exponential, logarithmic, absolute value, and piecewise-defined functions. Trigonometric and circular functions are explored. This includes solving triangles, transformations on graphs of trigonometric functions, inverse trigonometric functions, verifying and applying trigonometric identities, and solving trigonometric equations. Additional topics covered include parametric and polar functions, and vectors. A graphing calculator is required for this course.

Calculus (1 year)

Prerequisite: Pre-Calculus & Trig or Acc. Algebra II & Trig

This course is a study of one dimensional calculus designed to introduce students to concepts within three broad fields: limits and continuity, differential calculus, and integral calculus. Topics include limits and continuity, differentiation of functions, extrema and optimization, the fundamental theorem of calculus, Riemann sums, and volumes of solids of revolutions and known cross sections. Applications to physics and economics are considered in each of the three fields. This course uses analytical, graphical, and numerical approaches to calculus. Problem

solving, logical reasoning, and critical thinking skills will be emphasized throughout the course. A graphing calculator is required.

AP Calculus AB (1 year)

Prerequisite: Dept. Chair Recommendation and either Pre-Calculus & Trig or Acc. Algebra II & Trig

This course is a study of one dimensional calculus designed to prepare students for the AP Calculus AB exam. The course can be broadly broken into three major sections: limits and continuity, differential calculus, and integral calculus. Topics include limits and continuity, differentiation of functions, extrema, related rates, the fundamental theorem of calculus, Riemann sums, volumes of solids of revolutions and known cross sections, separable differential equations, and slope fields. Applications to physics and economics are also considered. This course uses analytical, graphical, and numerical approaches to calculus. Problem solving, logical reasoning, and critical thinking skills will be emphasized throughout the course. A graphing calculator is required.

AP Statistics (1 year)

Prerequisite: Pre-Calculus and Dept. Chair Recommendation

This year-long study of statistical analysis is designed to prepare students for the AP Statistics exam. The course will introduce students 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. This course will provide an excellent foundation in statistics applicable to any course of study in college involving the collection and analysis of data, including the physical sciences, biology, psychology, engineering, business, and political science.

Science Department

Life Science 7 (1 year)

Prerequisite: None

Life Science encompasses who we are, the substances of which we are made, how these components work together, and how living organisms interact with each other. The wonder of God's creation is all around us, and the better we understand it, the better we understand ourselves and our Creator. This course will explore the basic characteristics, necessities, building blocks, and processes of life as well as the whole organisms with which we share this Earth. Topics include the scientific method, characteristics of living organisms, ecology, evolution, classification of organisms, ecosystems, and environmental issues.

Accelerated Life Science 7 (1 year)

Prerequisite: Dept. Chair Recommendation

The Accelerated course covers the same topics as Life Science 7 but goes further in depth and includes more challenging assignments.

Physical Science 8 (1 year)

Prerequisite: None

Physical Science is divided into two disciplines: physics and chemistry. This course will explore the concepts of matter, energy, motion, forces, electricity and magnetism, atomic structure, bonding, and reactions.

Accelerated Physical Science 8 (1 year)**Prerequisite: Dept. Chair Recommendation**

The Accelerated course covers the same topics as Physical Science 8 but goes further in depth and includes more challenging assignments. The Accelerated course also relies more heavily on mathematics and the application of equations to solve problems.

Biology with Lab (1 year)**Prerequisite: None**

Biology is the science of life and life processes. The course will begin with the chemistry of life, ecosystems and communities, cellular structure and function, and genetics. The second semester will examine evolution, the six major kingdoms of living organisms, and human anatomy. Students will have an opportunity to explore these concepts through writing and laboratory activities.

Accelerated Biology with Lab (1 year)**Prerequisite: Dept. Chair Recommendation**

Accelerated Biology is intended for highly motivated students who wish to prepare for AP Biology. In addition to the course objectives covered in Biology, students will independently design and implement inquiry-based investigations, read and report on current research and topics in biology, and demonstrate a greater conceptual and in-depth understanding of course material. This course will include additional units of study to prepare students for the AP Biology course.

Physical Science (1 year)**Prerequisite: None**

Students will spend the first semester of Physical Science studying physics and will learn about motion, forces, optics, electricity and magnetism, thermodynamics, and waves. The second semester will focus on atomic structure, bonding, chemical nomenclature, and reactions. Students who complete this course will have met their Physical Science/Physics graduation requirement and will not need to take Physics.

Chemistry with Lab (1 Year)**Prerequisite: None**

Chemistry is the study of atoms and molecules and their interactions with each other. The first semester of Chemistry will cover atomic structure, the Periodic Table, bonding, scientific measurements and calculations, chemical nomenclature, and reactions. In the second semester, students will study chemical composition, stoichiometry, energy, gas laws, solutions, acids and bases, kinetics, equilibrium, electrochemistry, and nuclear reactions. A variety of laboratory experiments will provide students with hands-on experience with these chemical principles.

Accelerated Chemistry with Lab (1 year)**Prerequisite: Dept. Chair Recommendation**

The Accelerated course covers some additional topics (e.g., quantum numbers, resonance) and takes a more mathematical and in-depth approach. The Accelerated course will prepare students for AP Chemistry.

Physics with Lab (1 year)**Prerequisite: None**

Physics is the study of natural phenomena occurring in the physical world. Students will learn about motion, forces, momentum, work, power, energy, waves, light, sound, electricity, and magnetism. An overview of modern physics will be included. Physics is learned through

observation, experimentation, critical thinking, and problem solving. Mathematics is the language of physics and will be relied upon heavily throughout the course.

AP Physics 1 (1 year)

Prerequisite: Dept. Chair Recommendation and either Accelerated Algebra II & Trig or Pre-Calculus

AP Physics 1 is equivalent to a first-semester college course in algebra-based physics. The course covers Newtonian mechanics (including rotational dynamics and angular momentum); work, energy, and power; and mechanical waves and sound. It also introduces electrical circuits. After completion of AP Physics 1, a student will be eligible to take AP Physics C (calculus-based).

Anatomy and Physiology (1 semester)

Prerequisite: Biology

This one-semester course provides an introduction to anatomy and physiology. Students will gain a basic understanding of the anatomy and physiology of the eleven major organ systems of the body. Throughout the course, students will complete basic dissections of mammalian organs in order to understand the structures of these organs. This class does require significant memorization, so students should be prepared to spend time outside of class learning anatomical and physiological terms.

Ecology (1 semester)

Prerequisite: Biology

Ecology is the branch of biology that examines the interactions of organisms with each other and with their environment. This one-semester course begins at the organismal level and progresses through ecosystems. Students investigate topics within the realms of population and community ecology, behavioral ecology, biodiversity, and conservation biology.

Organic Chemistry (1 year)

Prerequisite: Chemistry and Dept. Chair Recommendation

This course will introduce students to the field of organic chemistry. The importance of organic chemistry in the world today cannot be overstated. Students will learn that they are surrounded by organic molecules and reactions: foods, artificial flavors, perfumes, plastics, clothes, pharmaceutical drugs, biological molecules and processes, etc. College students in chemistry, biology, pre-medical, or related programs often find Organic Chemistry to be one of the most difficult courses they take in college. The knowledge gained in this introductory course at HSP will enable students to feel comfortable and confident in their college Organic course. This class is therefore recommended for students who are interested in pursuing these areas in college. Topics include organic structures and nomenclature, chirality, the major mechanisms (radical chain reactions, electrophilic addition, nucleophilic substitution, elimination, electrophilic aromatic substitution), spectroscopy (IR and NMR), functional group transformations, carbon-carbon bond formation, and using retrosynthetic analysis to design multi-step syntheses. Students will perform over a dozen laboratory experiments including basic identification, characterization, and purification techniques; polymerization reactions; and a multi-step synthesis that will be completed over a period of several weeks.

AB Biology (1 year)

Prerequisite: Accelerated Biology and Dept. Chair Recommendation

AP Biology is equivalent to a first-year college course in biology. The primary emphasis in this course is on developing an understanding of concepts and the examination of science as a

process rather than memorizing terms and technical details. This course will be structured around the four Big Ideas (Evolution, Energy Processes, Information, and Interactions) that are described in the AP Biology Course Description. The topics covered include biochemistry, cell structure and function, cellular energetics, genetics, molecular basis of inheritance, DNA technology, evolution, microbiology, plants, animals, and ecology. Of particular importance to this class and each topic that is covered is the role of the modern theory of evolution. This theory will serve as the unifying theme across the entire scope of this class, and at the end of each unit all material will be tied to this theory.

AP Chemistry (1 year)

Prerequisite: Accelerated Chemistry and Dept. Chair Recommendation

AP Chemistry is equivalent to a first-year college course in chemistry. This class reinforces and builds upon topics covered in the Prerequisite high school Chemistry course. The focus is on inquiry and reasoning skills with an emphasis on students' abilities to design experiments, collect and analyze data, draw appropriate conclusions, and report results. The course is designed around the six "Big Ideas" as laid out in the College Board's AP Chemistry Course Description, including an in-depth study of atomic structure, bonding, intermolecular forces, acid-base chemistry, chemical equilibrium, thermodynamics, kinetics, and oxidation-reduction reactions.

Classics Department

Junior High Latin II (1 Year) – 8th Grade Only

Prerequisite: A grade of at least 75% in JH Latin I

This is a continuation from JH Latin I, picking up at Chapter 16 of Ecce Romani Book I and continuing through Chapter 25.

Latin I (1 Year)

Prerequisite: None

Using Ecce Romani, Book I, students will learn vocabulary, grammar, and culture by reading stories about a patrician Roman family of the first century of the Roman Empire. **Language:** Students will learn all how to conjugate indicative verbs and decline 1st-4th class nouns. They will write simple sentences and answer comprehension questions about paragraphs and stories. By the end of the year, students should be able to recognize over 250 vocabulary words & phrases. **Culture/History:** Students will be able to discuss ancient Roman attire, households, entertainment, practices such as slavery, and features of the city of Rome. **Mythology:** Students will be able to match the Greek Olympians with their Roman counterparts. They will be able to tell the foundational stories of Rome and of its early heroes. **Christianity:** Students will pray the Lord's Prayer, the Hail Mary, the Glory Be, and they will learn to sing several parts of the Mass.

Latin II (1 Year)

Prerequisite: A grade of at least 75% in HS Latin I or JH Latin II

Using Ecce Romani, Books I and II, students will learn vocabulary grammar and culture by reading stories about a patrician Roman family of the first century of the Roman Empire. This includes their travels around Europe and daily lives in rural and urban settings. **Language:** Students will learn how to parse 1-4th conjugation verbs and recognize tense and mood. They

will write complex sentences and answer comprehension questions about stories and grammar. By the end of the year, the students should be able to recognize 400 vocabulary words as well as important phrases. **Culture/History:** Students will be able to discuss the political developments of Rome. They will be familiar with inherited Greek traditions as well as become familiar with Roman expansion. They will recognize the names of key individuals and places in the Roman world. **Mythology:** Students will study the major Greek and Roman mythological stories as well as cover the heroic traditions and worship practices of the people of Rome. **Christianity:** Students will pray the Lord's Prayer, the Hail Mary, the Glory Be, and continue to study several parts of the Mass.

Latin III (1 Year)

Prerequisite: Latin II

Continuing in Ecce Romani, Book II, students will learn vocabulary, grammar, and culture by reading stories about a patrician Roman family of the first century of the Roman Empire. This includes their travels around Europe and daily lives in rural and urban settings. **Language:** Students will learn how to parse all nouns and verbs as well as recognize tense, mood, clauses, and the varying functions of different cases. They will write complex sentences and answer comprehension questions about stories and grammar. By the end of the year, the students should be able to recognize 600 vocabulary words as well as important phrases. They should be comfortable reading and recognizing participles and the passive voice. **Culture/History:** Students will have a working knowledge of the history of ancient Rome up to the reign of Hadrian. This will include important political and military events with an expanded focus on Rome's relationships to its neighbors in the Mediterranean. **Mythology:** Students will study the major Greek and Roman mythological stories as well as ceremonies of the ancient Romans. They will cover a wide range of Greek tales which influenced Roman beliefs and practices. **Christianity:** Students will pray the Lord's Prayer, the Hail Mary, the Glory Be, and continue to study several parts of the Mass.

Latin IV (1 Year)

Prerequisite: Latin III

Using Ecce Romani, Book III, students will engage important primary texts from Rome's Golden age, including works from Cicero, Caesar, Pliny, Plutarch and Eutropius. **Language:** Students will continue their studies of Latin grammar, especially with regard to subjunctive verbs, impersonal constructions, and gerunds, as they encounter them in the context of the authentic writings. They will continue to expand their Latin vocabulary and will create sophisticated translations of the texts they encounter. **Culture/History:** Students will study the transition from Republic to Empire in detail, paying special attention to the personalities that shaped that process. **Mythology:** Students will analyze the stories Romans enjoyed hearing with the goal of better understanding the people of ancient Rome. **Christianity:** Students will compare the culture and values of ancient Romans with those of the early Christians and will consider the ways Christianity made an impact on Roman life.

AP Latin (1 Year)

Prerequisite: Latin IV and Dept. Chair Recommendation

Students will read all selections of Vergil's Aeneid and Caesar's Gallic War in Latin as specified by the College Board's syllabus for AP Latin. Students will study and master the vocabulary, forms, syntax, translation skills, metrics, poetic figures, literary, social, political, and cultural knowledge

necessary for careful understanding of AP Latin syllabus. Students will also read selections from Vergil's Aeneid and Caesar's Gallic War in English in order to put the Latin excerpts in a significant context in preparation for the free-response section of the exam. Collateral readings of literary critical, historical, social, and cultural perspectives on the core periods of the late Republic and the early Principate will be assigned regularly. Additionally, students will practice sight reading from Ovid, Catullus, Cicero, and Horace in preparation for the multiple-choice part of the exam.

Prerequisite: None

Greek I (1 Year)

8th Graders may take this high school course if they have completed JH Latin I with at least an 85% grade

Using Athenaze, Book I, students will work through Chapters 1-7. They will be introduced to the ancient Greek language, as well as the culture and mythology of the classical age (5th century BC) of Athens. **Language:** Students will learn the present tense, active and middle voice, of regular, epsilon-contract, and alpha-contract verbs; first, second and third declension nouns; adjective-noun agreement; and the rules governing Greek accents. By the end of the year, students will have mastered a vocabulary of about 220 words in ancient Greek. **Culture:** They will learn about the daily life of a typical 5th century BC Athenian farm family. **Mythology:** They will learn about the rise of the Olympian gods and goddesses and will read selected stories about each of the major deities. They will also begin reading in Greek stories from Homer's *Odyssey*. **Christianity:** Students will memorize the Lord's Prayer in the original Greek and will begin to read easy passages from St. Luke's Gospel.

Greek II (1 Year)

Prerequisite: Greek I

Students will continue to work through Athenaze, Book I, Chapters 8-14. **Language:** Students will expand their mastery of all three noun declensions, alpha-contract verbs, middle voice and deponent verbs. They will learn present participles, relative clauses, and the future, imperfect and aorist tenses. **Culture/History:** They will learn about ancient Greek religion and religious festivals, especially the Festival of Dionysus in Athens. They will learn about the history of Athens and the geographical features of Athens. **Mythology:** They will read episodes from Homer's *Odyssey* and be introduced to the life and labors of Heracles. **Christianity:** Students will learn various liturgical prayers and will continue to read selections from St. Luke's Gospel.

Greek III (1 Year)

Prerequisite: Greek II

Students will finish Chapters 15 and 16 from Athenaze Book I, and cover Chapters 17-20 in Athenaze Book II. **Language:** Students will learn comparison of adjectives and adverbs, omicron-contract verbs, the passive voice, the -μι verbs, the genitive absolute and the subjunctive mood. **Culture/History:** Students will learn about ancient Greek medicine and the healing sanctuaries of Aesclepius. They will learn of the importance of Mycenae in the Greek Bronze age. They will study the history of Athens through the 6th and fifth centuries up to the start of the Peloponnesian War. **Christianity:** Students will continue to read sections from St. Luke's Gospel, and progress into sections from St. John's Gospel, including the Prologue, the Wedding Feast at Cana and the discourse with Nicodemus.

Greek IV (1 Year)**Prerequisite: Greek III**

Students will continue in Athenaze, Book II. They will complete Chapters 21-29. **Language:** Students will learn the forms and uses of the subjunctive and optative moods. They will learn fear clauses, indirect discourse, conditional sentences, and the perfect and pluperfect tenses. **Culture/History:** Students will learn about the workings of the Athenian democracy in the second half of the 5th century BC, and the conduct of the Peloponnesian War. They will learn about Greek educational practices. **Christianity:** Students will continue to read sections from St. John's Gospel.

Junior High Spanish I (1 Year) - 7th Grade Only**Prerequisite: None**

This introductory course is designed for students with little to no Spanish language background. This course which will incorporate many components including use of the online textbook Supersite and grammar tutorials. Topics covered include conjugation of verbs in the present and present progressive tenses, greetings, numbers, ser v. estar, direct object pronouns, present tense, and cultural information about Cuba, Peru, Guatemala, and Chile, Spain, Ecuador, Mexico, and Puerto Rico. Students will also read various poems and song lyrics. Students will continue to JH SPN II after successful completion of this course.

Spanish I (1 Year)**Prerequisite: None**

This introductory course is designed for high school students with little to no Spanish language background. This course which will incorporate many components including use of the online textbook Supersite and grammar tutorials. Topics covered include conjugation of verbs in the present and present progressive tenses, greetings, numbers, ser v. estar, direct object pronouns, present tense, and cultural information about Cuba, Peru, Guatemala, and Chile, Spain, Ecuador, Mexico, and Puerto Rico. Students will also read various poems and song lyrics. Students will take the National Spanish Exam.

Spanish II (1 Year)**Prerequisite: Spanish I**

This course will review and expand upon vocabulary and grammar introduced in Spanish I through the use of the textbook supersite and online grammar tutorials. Topics covered include present and past tense, subjunctive mood, commands, present and past perfect, future and future perfect, conditional and conditional perfect tenses and cultural information about Costa Rica, Argentina, Panama, Colombia, Venezuela, Bolivia, Nicaragua. Students will read various poems and short literary selections, watch several foreign language clips, and take the National Spanish Exam.

Spanish III (1 Year)**Prerequisite: Spanish II**

This course will review and expand upon vocabulary and grammar introduced in Spanish II through the use of the textbook supersite and online grammar tutorials, monthly conversations with a language partner in a Spanish-speaking country. Topics covered include an overall review of tenses introduced in SPN II including, but not limited to, preterite and imperfect tenses, present and past tense subjunctive mood and perfect tenses. Students will also watch chapter themed short films, read multiple literary selections, study current event topics and take the National Spanish Exam.

AP Spanish (1 Year)

Prerequisite: Spanish III and Department Chair Recommendation

This course will prepare students to take the AP Spanish Exam. Exam format, advanced grammatical structures, literature, and culture of various Spanish-speaking countries will be the focus of this course. Students will host debates, research and write current event articles, and complete various AP preparation exercises. Students will take the National Spanish Exam.

Theology Department

The Life of Grace (1 Year) – 7th Grade

Prerequisite: None

This course introduces students to the basic truths of the Church, with an emphasis on the story of salvation history and on the practical aspects of living our Catholic Faith. To prepare students for the Upper School curriculum, students commit selected scriptures to memory and learn to employ traditional theological nomenclature. As students explore the connections among theology, other disciplines, and current events, they discover sophisticated lines of inquiry that will be nurtured in the theology courses of the eighth through twelfth grades.

Sacred Scripture (1 Year) – 8th Grade

Prerequisite: None

This course provides in-depth study of Sacred Scripture, the Word of God written down through the inspiration of the Holy Spirit and handed down through the generations to us today. Students examine the Books of the Bible from Genesis to Revelation, which make up the greater story of Creation, God's saving plan for mankind, and how He prepares us properly to receive the salvific gift of his Son. Through reading and writing-based exercises as well as participating in class discussions, group projects and presentations, students discover, explore, and identify what Christ's teachings mean and learn to apply and articulate the Faith, particularly sourced in Sacred Scripture.

Church History (1 Year) – 9th Grade

Prerequisite: None

This course presents the principle beliefs of Catholics as outlined in the Apostles' and Nicene Creeds, and taught by the Popes and the Ecumenical Councils of the Church. Incorporating Apologetics, the science that aims to explain and justify religious doctrine, students study topics which include the major doctrinal issues and debates of the early Ecumenical Councils, the Reformation, and the Enlightenment, along with explanations of the significant historical and moral controversies of the Medieval and Renaissance eras. Further, through the Gospel account of Christ's founding of the Church, the Acts of the Apostles, and the two millennia of Church history to date, students see the guidance of the Holy Spirit at work, the institutional continuity provided by Apostolic Succession, and the consistency of Catholic faith and morals.

Sacramental Theology (1 Year) – 10th Grade

Prerequisite: None

This course explores the incarnational characteristic of the Sacraments and the Catholic faith, and offers an explanation of sacramental theology. In Jesus Christ, God became physically visible, touchable, and knowable. By the seven sacraments, Catholics continue to encounter Jesus Christ through the sensible. Our faith manifests not merely in the spiritual sense but

physically. Along with the sacraments, particularly Holy Matrimony and Holy Orders, students study Theology of the Body, a series of teachings by Pope John Paul II concerning human sexuality, to explore how we are created in the image and likeness of God, how in the right relationship men and women best reflect the Holy Trinity, and consider closely the call to marriage, the consecrated life, and religious vocations. Moreover, preparation for the Sacrament of Confirmation for Catholic students reinforces and brings to life class topics.

Moral Theology (1 Year) – 11th Grade

Prerequisite: None

This course covers matters of morals in the Faith, focusing briefly on the Ten Commandments and their fulfillment in Christ and the New Law of Grace and the Beatitudes, and more fully through reading Dante, whose voyage through Hell and Purgatory offer insights into sin, humanity, suffering and redemption in one of the greatest works of literature, The Divine Comedy. Second semester emphasizes the ethical life as lived out in relationships with others, or Social Ethics. The Second Vatican Council's Dogmatic Constitution on the Church reads: "The laity are called in a special way to make the Church present and operative in those places and circumstances where only through them can she become the salt of the earth." The charge to laity manifests in the emphasis placed on the sanctity of life and the challenge to students to witness to that sanctity amidst a growing culture of death. Pope John Paul the Great's The Gospel of Life provides an inspired message worth evangelizing.

Philosophy (1 Year) – 12th Grade

Prerequisite: None

With the assistance of Aristotle and St. Thomas Aquinas, the purpose of this class in large part is to form a foundation and working understanding of philosophy. Students begin with the general nature of philosophy in Aristotle's categories and causes, and proceed through the basics of metaphysics, epistemology and language as the Angelic Doctor would have us understand them. Once armed with the tools of philosophical discourse, students use excerpts from the great works to comprehend the challenges we face in seeing reality rightly. Students analyze the Christian idea of man, and delve the critical issues that stand between the modern human mind and the true, good, and beautiful in technology, education, art, and ideology. Finally, by the development of an understanding of ethics, the class will examine the virtues and consider how when properly understood their cultivation leads to happiness and the good life. The class will culminate with a written guide on How to Live the Good Life, with contributions from each student and including the topics of the year, the Beatitudes, and the beatific vision.

Visual Arts Department

Junior High Visual Art Survey (1 Semester)

Prerequisite: None

This one semester course is taught as part of the Junior High elective experience. Students will be introduced to art as a universal language connecting all cultures. Emphasis is placed on multi-cultural arts and traditional media and craft. Students will simultaneously be introduced to the rules of composition and the elements of art. This course is a project based studio class with hands-on art making at the core of its design.

Intro to Art (1 Semester)**Prerequisite: None**

This one semester course serves as an introduction to studio art and the elements of art. This course meets the basic arts requirement for graduation and is the foundation course to all Fine Art classes at HSP. Content is covered in small unit based projects and a variety of media and technique will be explored. Media will include: pencil, acrylic, watercolor, collage, charcoal, block printing and colored pencil. No previous art experience is required to take this course.

Studio Art I: Art Techniques Survey (1 Semester)**Prerequisite: Intro to Art**

This one-semester course is for those who intend on continuing their studies in studio art. Elements discussed in the intro class will be explored further and intermediate drawing, printmaking and painting techniques will be taught. Emphasis will be placed on composition, drawing rules, and major art movements from history.

Studio Art II: Advanced Drawing and Painting (1 Year)**Prerequisite: Intro to Art or Dept. Chair Recommendation**

In this yearlong course students explore more advanced techniques in oil painting, portraiture, figure drawing and a variety of wet and dry media. Emphasis is placed on mark making and mastery of skill in a multitude of traditional media. Students also study the progression of style and technique throughout the history of art with close attention to classical applications. This course is intended for students who want to take their art to the next level and prepare for future studio classes.

Studio Art III: 2D Design and Composition (1 Year)**Prerequisite: Studio II**

This year long course is highly suggested for anyone wishing to take AP studio Art or prepare a portfolio for college admittance. The course focuses on the formation of concept and design. Projects are loosely structured and alternative processes are explored. Projects include: action painting, plaster carving, illustration and ink work. All assignments are assessed based on theme, concept and the ability to express ideas and social issues. The overarching goal of the course is for each student to develop their own artistic voice. Please note that the research portion of this class requires frequent gallery visits.

Studio Art IV: Advanced Portfolio Prep (1 Year)**Prerequisite: Studio II**

This class is for the art lover with advanced skills, but who is not necessarily interested in pursuing the arts after high school. The course is a continuation of the concepts and techniques covered in both Studio II and III. Studio IV is a chance for students to develop an independent body of work without the constraints of the AP Studio Art requirements. Students will be expected to complete a series of 6 specific assignments in the first semester of this course and will spend the second semester working on a self-directed series of related pieces to be shown in an end of the year exhibition.

AP Studio Art (1 Year)**Prerequisite: Two years Visual Arts courses AND a Recommendation**

This is a portfolio class that is entirely structured by the students. Each student is required to complete a minimum of 24 art pieces over 2 semesters. This class requires summer work and

weekly studio hours outside of class. This is not a course for the "leisure" artist; it is strongly recommended for those students wishing to pursue art after high school and who have the drive and responsibility to work independently.

Digital Photography (1 Semester)

Prerequisite: None

In this course, students will study the history and tradition of photography as well as the technical aspects of digital imaging. Class members will develop visual literacy by studying and viewing other photographers' work as well as producing their own. The class will learn the basics of the important elements that create strong visual images. Students will learn the basic mechanics of how a digital camera operates and the rules for composing strong images. Students will also be exposed to digital editing software and techniques. The course will emphasize mastering manual controls on the digital camera; thus, students MUST have access to a 35 mm single lens reflex digital camera.

Graphic Design I (1 Semester)

Prerequisite: Digital Photography or Intro to Art

An introduction to elements of design, spatial relationships, typography and imagery as they apply to practical visual solutions. This course is designed to introduce students to career opportunities in logo design, Web design, and print media. Students will learn to use a range of graphic software tools. This course instructs the student in graphic design skills employing traditional and digital tools, materials and procedures employed in the communication arts industry. The focus will be on finding creative visual solutions to communication problems and developing the technical skills to use the computer as a tool in creating art.

Graphic Design: Yearbook Production (1 Year)

Prerequisite: None

In this year long course, students will become well-versed in the following skill areas: Adobe InDesign and Adobe Photoshop, graphic design, photo selection, cropping and editing; layout and visual presentation, teamwork and communication, organization of large amounts of data, maintenance, and comprehension and planning of an intensive, year-long project – the HSP Yearbook. This class can be taken multiple times.

Digital Arts I (1 Semester)

Prerequisite: Digital Photography or Intro to Art

This course is designed to develop skills and support understanding that are essential in modern digital graphics, motion graphics, publishing, Web, film/video, photography, and animation graphic industries. Focus will be on developing understanding of key design concepts and on the production of digital images, along with learning to manipulate the software and hardware used in these commercial arts fields. This course is a continued study of design principles covered in the foundation courses. Students will have the opportunity to work with typography, layout design, digital illustration and 3D modeling. Exploration of career opportunities, development of leadership, teamwork, collaborative and technical skills requisite in many aspects of life and industry which are creative and multi-faceted will be developed.

Performing Arts Department

Music Appreciation (1 Semester)

Prerequisite: None

Music Appreciation introduces students to the fundamental principles of music. Students will examine music of various genres – from baroque and classical to jazz and pop – to develop an appreciation for how the elements of music have changed throughout history and across cultures. Students will also learn the distinguishing qualities of different musical styles and instruments so as to be able to identify them by ear. A particular emphasis is placed on learning the basics of reading musical notation, the *language* of music. No prior knowledge of music theory or performance is required to take this course.

Music Theory I (1 Semester)

Prerequisite: None

Music Theory I is an introductory course that provides students with knowledge of the fundamental concepts of music theory. More specifically, this course seeks to teach students how to understand pre-existing music, as well as begin composing their own works. Basic foundations such as pitch, rhythm, scales, modes, melody, harmony, and transposition are covered within the curriculum. Students receive ample manuscript training, learning how to properly scribe notation.

Musical Theatre (1 Semester)

Prerequisite: None

The students in this class will produce the Spring Musical. At the start of the semester, students will audition for roles. Following casting, some students will work on characterization, acting, staging and learning the music for the show. Everyone will also be responsible for production assignments, such as serving as the Assistant Director, Stage Manager, program design to name a few. The class will assume full responsibility for the show's performance later in the semester.

Play Production (1 Semester)

Prerequisite: None

The purpose of the Play Production elective is to allow students to gain experience in theater as an art form through the planning and production of a full length play. During class time all students will participate in activities and exercises that explore aspects of the three key artistic skill areas of creating, performing, and producing a play. Additionally, each member of the class will serve in either an acting or stage management role to successfully plan and produce the play selected.

Choral Music (1 Year)

Prerequisite: None

In this course, students will prepare choral music for liturgies and other special events on behalf of the Holy Spirit school community. The class will help students develop skills in part singing, vocal technique, musical phrasing and interpretation, and breathing and posture. Repertoire will be drawn from the variety of musical styles appropriate to a liturgical setting. Students taking this course must attend weekly meetings during the lunch hour and monthly Sunday performances throughout the school year.

Other

Junior High Study Skills (1 Year) – 7th Grade Only

Prerequisite: None

This year long course focuses on techniques and learning strategies to improve students' study skills. Emphasis is on students taking organized notes, time management, test-taking strategies, active listening, and methods of conducting research. In addition, students will have ongoing opportunities to apply these skills to their daily class work and receive feedback to enhance their study habits.