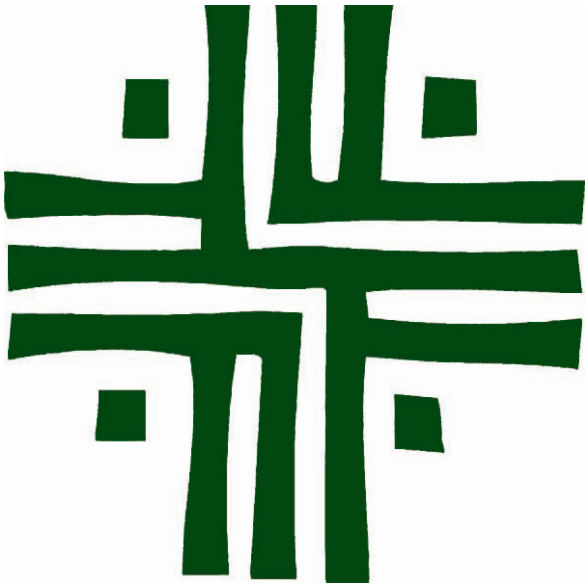


2019-2020 **COURSE DESCRIPTIONS**



**Holy Family
Catholic High School**

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VISION STATEMENT

Holy Family Catholic High School is an Archdiocesan co-educational Catholic high school inspired by the Lasallian tradition and educating students to pursue truth and justice, to mature in faith, knowledge and wisdom, and to develop their full potential.

MISSION STATEMENT

Holy Family Catholic High School offers students excellence in education by providing opportunities to grow spiritually, morally, intellectually and physically within a community of Faith. We encourage and inspire our students to achieve personal excellence, to use their talents to lead as they serve God, one another, and the larger community.

CORE PURPOSE

Light the Fire Within

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Planning Your Program

The master schedule is constructed each year based upon the number of requests for each course. Therefore, you are asked to make careful decisions about the courses you choose as enrollment may be limited if you change your mind.

Holy Family Catholic High School reserves the right to cancel any course listed in this handbook.

Changes initiated by students will be considered, but not guaranteed, throughout the summer and during the first two weeks of each semester. Parents must approve requests in writing. A \$20.00 fee is also required for every request that requires more than a simple drop after June 7, 2019. The fee will be returned if the change cannot be made because of schedule conflicts. Teachers may suggest changes based upon misplacement at any time. When approved by parents, these interventions will be attempted at no cost.

Graduation Requirements

A Holy Family Catholic High School student will be awarded a diploma when 25 credits have been earned. Of these credits, 22 are required courses and 3 are electives.

1. Four in Theology: Sacred Scripture, Christian Morality, Sacraments and Liturgy, Ecclesiology and Catholic Social Teaching required
2. Four in English: World Literature, American Literature and Writing I, II, III required.
3. One-half credit in Speech required
4. Three in Social Studies: World History & Geography, United States History, and Government required
5. Three in lab science: Biology and Chemistry required
6. Four in Mathematics: Completion of Algebra I, Geometry, and Algebra II required.
7. One-half credit in Health required
8. One credit in Physical Education
9. One credit in Technology.
10. One credit in Fine Arts: .5 credit (Art History) is embedded in Integrated Studies (freshman and junior years combined)
11. At least two credits of a world language are highly recommended.
12. Completion of Leadership Institute requirement

Theology Curriculum

The Theology Department, in conjunction with Campus Ministry, plays a central role in the school's mission of incorporating the Catholic faith into the academic and spiritual development of each student. The courses required of freshmen, sophomores, and juniors provide a solid foundation in the Catholic theological tradition. Seniors have five semester-long course options to fulfill their two-semester theology requirement: Prayer and Spirituality, Catholic Authors, Campus Ministry, World Religions, and Philosophy.

Sacred Scripture 9th Grade

1 credit

This is a two-semester course required of all freshmen. Using the Bible as the primary text, students will learn the fundamental tools of Catholic scripture study. These tools will be employed in each student's academic and personal interpretation of God's Word. The study of Sacred Scripture will be integrated into the explorations of World History and World Literature. Quarter projects involve all three subject areas and are evaluated by the three Integrated Studies instructors. Project grades are incorporated into each of the three classes as well.

Christian Morality 10th Grade

.5 credit

This is a semester course required of all sophomores. Students will study the connection between what one believes and how one lives, between the Christian faith and the Christian moral life. Students will learn the basic principles of the Catholic moral tradition and how these can be applied to life situations.

Sacraments and Liturgy 10th Grade

.5 credit

This is a required one semester course for all sophomores. Students will study the theology of the Church's sacramental life as encounters with the living Christ and thus essential to Catholic faith and spirituality. Each of the Church's sacraments will be studied in their liturgical context, with special attention given to the liturgical year and the theology of symbolism, ritual, and prayer in Catholic liturgy.

Ecclesiology 11th Grade

.5 credit

This is a required one semester course for all juniors. Students will study the nature and mission of the Catholic Church in the context of its history. Special attention will be given to those events, such as the Second Vatican Council, that can help the student to understand relevant topics in the Catholic Church today. All students will complete a research paper which integrates their study of American Catholic history with their study of *American History* and *American Literature*.

Catholic Social Teaching 11th Grade

.5 credit

This a required one semester course for all juniors. Students will study the theology found in the Church's tradition of social doctrine and learn how that theology can be applied to relevant social justice issues in the United States and in the world. Throughout the semester, students will also complete a service learning project which provides an opportunity for them to be in solidarity with people in need.

Catholic Authors 12th Grade

.5 credit

This semester-long elective will examine Catholic theological themes in works of contemporary fiction. Students will read and discuss representative novels, short-stories, and epic fantasy. Students will also trace individual themes through multiple works.

Christian Prayer and Spirituality 12th Grade

.5 credit

In this one-semester elective students will examine how Jesus prayed, and how we can imitate his prayer. Students will study the history and spiritual traditions of Catholic Christianity. We will unpack why it is significant that Christians believe in the incarnation and paschal mystery. Besides regular reading assignments and tests, students will keep a prayer journal throughout the semester to aid their practice of daily prayer. The class will experience various types of prayer and meditation including praying with Psalms, Liturgy of the Hours, Silence, Visio Divina, Eucharistic Adoration, and Lectio Divina. This class provides an opportunity for students to grow in knowledge of the Christian Tradition and to develop a prayer life that nurtures spirituality and deepens the relationship with God.

Philosophy
12th Grade

.5 credit

"Wonder is the beginning of philosophy," says the Greek philosopher Socrates. Since his time, countless thinkers have tried to define philosophy. Simply, philosophy is the quest for enlightenment that began when humans tried to understand and explain the world through the power of reason. It is a questioning - a questioning that probes the most fundamental aspects of human existence.

In this one-semester elective, students will discuss great philosophical issues, read the works of major thinkers, and study developments in the history of philosophical thought that have played formative roles in Christian theology from Ancient Greece to the present day. Through careful reading of texts and class discussion, students will analyze critically the ideas philosophers have offered and strive to formulate their own philosophical views.

Campus Ministry
12th Grade

.5 Credit

Seniors in this one-semester course are given opportunities to put their faith and servant leadership into action. As a Catholic, Lasallian school, Holy Family strives to provide opportunities for students to grow in faith, service, and community. Students will be given direction and guidance in preparing daily prayer at Convocation, all-school Masses, Reconciliation Services, retreat, and special events. Students will work closely with other students to fulfill their responsibilities. This is a non-traditional class, which requires students to do work outside of the normal school day. Students in Campus Ministry are visible leaders at Holy Family and in the community, therefore students are expected to set a good example by following school policies and procedures and having an attitude which exemplifies that of Christ.

World Religions
12th Grade

.5 credit

This is a one-semester course offered to seniors as an elective. Religion plays a vital role in the political, business, and social policies of the world. As the world grows smaller, there is a vital need to have an understanding and appreciation for the various religious beliefs and practices that exist among our global community. In addition, the study of different religious faiths helps us to understand and appreciate our own faith. In this course, students will examine the elements that are common to all religions and will focus attention primarily on the beliefs and religious practices/customs of the world's major non-Christian religions such as Hinduism, Buddhism, and Islam.

English Curriculum

The English Department promotes the daily and academic use of language arts skills in the lives of our students through student-centered learning environments. To achieve this goal, we instill critical thinking, sound research methods, ethical use of language arts, interdisciplinary study, and mastery of vocabulary in lessons.

We provide courses designed to develop each student's reading skills, to encourage interest in the language arts as both a research and leisure activity, to introduce students to a variety of writing styles and authors, to hone students' listening skills, and to learn writing as a process geared to create written texts for a variety of purposes and audiences. We encourage well-organized speakers and writers who voice judgments clearly, confidently, and respectfully in an intellectual manner to support understanding.

World Literature/Writing I **9th Grade**

1 credit

This is a year-long course taught in an integrated fashion with Sacred Scripture and World History. Emphasis is placed on archetypes, genres, and different literary devices used to create each unique piece of writing. Writing skills cover sentence structure, paragraph development, and common grammar and punctuation problems. Creative writing, literary analysis, art analysis, and research writing, along with other writing styles, are explored.

Contemporary Issues in Literature/Writing II **10th Grade**

1 credit

This year-long class will provide opportunities to build on the reading and writing skills learned in World Literature. This course is aimed at looking at our society and analyzing its underlying mechanisms in order to help students be informed, critical thinking participants in the world. Students study Eric Schlosser's *Fast Food Nation* and Shakespeare's *Richard III*, as well as media such as advertising and popular films. Vocabulary improvement will be a significant part of this course.

Speech **9th-12th Grade**

.5 credit

Conquer Americans' number one fear! This semester course provides students opportunities to study and practice different rhetorical styles, with the goal of effectively transmitting ideas to an audience. Types of speeches include: demonstration, informative, persuasive, oral interpretation, impromptu, special occasion, and advertisement. Nervousness at the podium and dull class presentations will not be problems after this course.

Honors British Literature/Advanced Writing II **10th Grade**

1 credit

Prerequisite: Written teacher approval is required for students who wish to enroll in this class and earned less than a "B" in freshman English.

This is a year-long course recommended for students with strong writing and reading comprehension skills. It is an essential class for students who wish to qualify for Advanced Placement English in their senior year. Challenging reading, writing, presentation, and critical analysis assignments will be important aspects of the course. A research project and presentation will be required for successful completion of this course. Challenging vocabulary development will also be provided.

American Literature/ Writing III **11th Grade**

1 credit

This is a year-long course integrated with United States History and Ecclesiology to provide a chronological perspective of the important themes in America's history. Vocabulary study is a significant aspect of this course, as is developing the critical essay. A research paper will be required in order to complete the course.

Honors American Literature/Advanced Writing III **11th Grade**

1 credit

Prerequisite: Written teacher approval is required for students who wish to enroll in this course and earned less than a "B" in sophomore English.

This challenging year-long course highlights the relationships among **Ecclesiology, United States History** and **American Literature**. Sophisticated vocabulary development will be emphasized. Students will hone their writing skills to meet college expectations. This is an integral course for those students who wish to take Advanced Placement English in the following year.

Please note: The following courses require the purchase of a vocabulary book from the school store: World Literature, Contemporary Issues in Literature, Honors British Literature, American Literature, Honors American Literature, College Writing, and Modern Literature.

Creative Writing
11th-12th Grade

.5 credit

Through the opportunity to develop imaginative writing selections, students will improve their writing skills in the areas of clarity, description, grammar, and usage. Students must be able to function independently in a lab situation and collaboratively as peer critics. Writing and reading of fiction, nonfiction and poetry are included in this semester course.

College Writing
12th Grade

.5 credit

Would you like to go to college prepared for professors' essay expectations? This semester course will focus on writing at the college level, focusing on skills such as the writing process, collegiate grammar, structuring different types of essays, vocabulary improvement, and argumentation. This class utilizes the analysis and discussion of nonfiction sources for essay construction.

Dramatic Literature
12th Grade

.5 credit

This one-semester course explores the genre of drama through reading plays and viewing productions. Selections will range from ancient Greek tragedies to modern comedies. Students will analyze and critique form, theme, content, and other theatrical elements. Subsequently, students will understand theatrical aspects of performance such as blocking, improvisation, scene development, character development, directing, and stage design. Through scene analysis, students will be expected to recreate pivotal plot points/scenes in a final performance.

Modern Literature
12th Grade

.5 credit

The major themes of the twentieth and twenty-first centuries will be explored through literary forms from around the world in this semester course. The varied selections will demonstrate how literature reflects important issues of the modern world. Students will be expected to engage in critical analysis in oral and written forms as demonstrations of their understanding of the works they study.

AP® English
12th Grade

1 credit

Prerequisite: Written teacher approval is required for students who wish to enroll in this course and have earned less than a "B" in junior English.

This course explores four interconnected facets of reading and writing about literature: close reading and analysis of drama, prose, and novels; short and long writing assignments worked and reworked to a polished state indicative of collegiate level literary exposition; contemplation and exploration of the texts in a personal, reflective manner; and engagement in and discussion of these same texts in a group format. This is an enjoyable and rigorous year-long exploration and honing of the skills detailed in the *AP English Literature and Composition Course Description*. The course may not change your life entirely, but it will deeply impact the way you read, write, and think about the connection between literature, culture, and life.

Senior Writing
12th Grade

.5 credit

Prerequisite: Written teacher approval is required for enrollment.

This senior level semester class will help to straighten out your sentences, to polish your writing, and to improve your comprehension. The course will focus on real world applications of writing and language, practical grammar, and analysis of contemporary texts. It will be project based with an emphasis on marketable language arts skills.

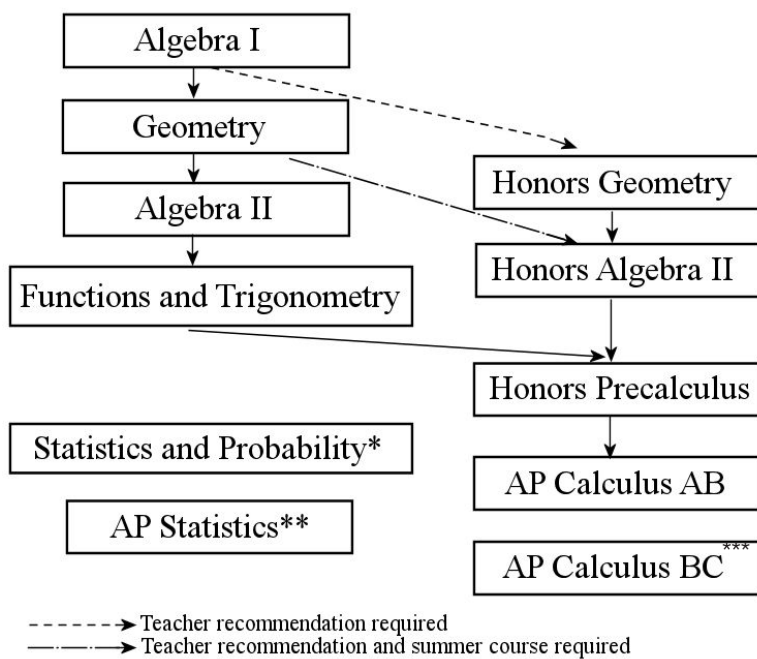
Independent Classical Reading
All Grades

.5 credit

This is an independent elective that is accomplished outside of the classroom during a student's high school years at Holy Family Catholic High School. Students are responsible for reading, discussing, and writing about 25 works of literature. Selections are made from an approved list. This course can be started at any time. Interested students must register their desire to begin the program with the principal. There is no penalty for not completing the 25 works. *This class does not qualify as one of the required English credits.*

Mathematics

The Mathematics Department is dedicated to supporting the Lasallian traditions of educational excellence in the pursuit of the spiritual, moral, and intellectual development of each student. Our courses are designed to inspire, encourage, and challenge students of different ability levels in their study of mathematics and their preparation for college and life. Students are expected to use mathematics as a tool to learn reasoning and problem-solving skills in a supportive environment. Appropriate technology will be used to enhance learning, perform calculations, and model complex concepts and situations. Ultimately, our goal is develop mathematically confident students.



Students enter Holy Family Catholic High School with diverse mathematic backgrounds. Consequently, we offer a variety of courses to meet the needs of all our students. Freshmen have a number of options when starting Holy Family Catholic High School.

Successful completion of Algebra II and four credits of mathematics are required for graduation.

All students will need a TI-84 graphing calculator. (Though not recommended, class of 2019 may still have a TI-83)

* Statistics and Probability can be taken after Algebra II or Honors Algebra II

**AP Statistics can be taken after Honors Algebra II, Functions and Trigonometry, or Statistics and Probability

***AP Calculus BC may be taken at the same time as AP Calculus AB

Algebra I 1 credit

Algebra I will cover writing, graphing, and solving linear, quadratic, and absolute value equations and inequalities. Additionally, the class will include the topics of exponents, polynomials, factoring, and systems of equations.

Geometry 1 credit

Prerequisite: Algebra I at Holy Family or qualifying score on summer Math Placement Test I

Geometry will cover topics of reasoning skills, constructions, line and angle conjectures, linear equations, properties of triangles, polygon and circle properties, area, volume, surface area, introduction to trigonometry, Pythagorean Theorem, and similarity in a hands-on discovery approach. The course also continues to review and practice topics from Algebra I.

Honors Geometry 1 credit

Prerequisite: "A" in Algebra I at Holy Family or qualifying score on the Math Placement Test I

This is a fast-paced course with a blend of discovery and proof-driven approaches to the material. The topics covered in Honors Geometry will be addressed from this integration of approaches so that not only will students understand many types of proofs, but they will also be able to create many types of proofs in order to draw conclusions. Elementary probability will be introduced.

Algebra II 1 credit

Prerequisite: Geometry or Honors Geometry, or qualifying score on the Math Placement Test II

Algebra II continues the work begun in Algebra I. Topics such as linear and quadratic equations, functions, radicals, and polynomials will be explored further. In addition, basic trigonometry, exponential functions, and logarithmic functions will be covered. Elementary probability will be introduced in this course. Students will also be exposed to Excel.

Honors Algebra II **1 credit**

Prerequisite: Honors Geometry at Holy Family, Geometry at Holy Family with teacher recommendation and completion of a summer course, or qualifying score on the Math Placement Test II

All of the topics of Algebra II will be covered, although they will be studied in more detail and at a faster pace. Additional topics include: introductory trigonometry and elementary statistics in preparation for PreCalculus.

Functions and Trigonometry **1 credit**

Prerequisite: Algebra II or Honors Algebra II

This is a full-year course that covers functions and their properties and trigonometry and its applications. Covered topics include: right triangle ratios, the six trigonometric functions, identities, vectors, and inverse trigonometric functions.

Statistics and Probability **1 credit**

Prerequisite: Algebra II or Honors Algebra II

This is a full-year course that covers fundamental statistics and probability. Topics include: least square regression lines, collection and analysis of data, normal distribution, sampling and surveying, conditional probability, expected value, independent and dependent events and counting theory.

Honors PreCalculus **1 credit**

Prerequisite: Honors Algebra II or Functions and Trigonometry

Honors PreCalculus is a challenging year course that prepares students to take college level. The primary topics include: functions, trigonometry (with application and identities), and abstract thinking.

AP® Statistics **1 credit**

Prerequisite: Honors Algebra II, Statistics and Probability, or Functions and Trigonometry

Advanced Placement® Statistics is a college-level course in probability and statistics. Topics include elementary probability, binomial probability, hypothesis testing, regression and correlation, normal distributions, Chi-Squared and t distributions. A passing score on the AP exam in spring may result in advanced standing and/or college credits.

AP® Calculus AB **1 credit**

Prerequisite: Honors PreCalculus

Advanced Placement® Calculus is a college-level course. Topics will include further work with limits, derivatives, and integration with considerable focus on applications. Students passing the AP Calculus AB exam in spring may earn college credit and/or advanced standing at their chosen post-secondary institutions.

AP® Calculus BC **1 credit**

Prerequisite: AP Calculus AB or concurrent enrollment in AP Calculus AB with teacher recommendation

AP Calculus® BC is a college-level course which will review material from AP Calculus AB and introduce more advanced topics in calculus. Topics include parametric, polar and vector equations, integral applications, polynomial approximations, and series and sequences including the use of Taylor and Maclauran series.

In addition to the traditional calculus topics, the course will cover material not typically found in a high school curriculum but which can lead to deeper thought and problem solving skills. Particular focus will be on problems for which answers have integer or other specific non-continuous set of possibilities which is known as discrete mathematics and number theory. Topics will include logic, counting, graph theory, modular arithmetic, combinatorics, and discrete probability.

Students passing the AP Calculus BC exam in spring may earn college credit and/or advanced standing at their chosen post-secondary institutions.

Science Curriculum

Science departments routinely struggle to maintain a balance between rigor and wonder. At Holy Family Catholic High School, these two ideals are not mutually exclusive; rigor and wonder are interdependent and complementary aspects of the science learning experience. Rigor is important because it ensures students will be successful in college level academics. Wonder is important because it ensures students will be lifelong learners. The science department will be resourceful using a wide variety of pedagogical approaches to ensure students succeed in science.

Through successful completion of our three-year science requirement, students will:

- Have mastered a body of knowledge based on courses selected;
- Have developed the capacity to interpret scientific information to make informed decisions as a participating citizen;
- Possess a suite of academic skills and habits which ensure college readiness;
- Have developed the skills necessary to work effectively and solve problems alone, in pairs, and in groups.

Biology **9th Grade**

1 credit

Through lecture, individual and small group activities, and laboratory activities, students will acquire an understanding of the major concepts of biology. This course will offer students exposure to a variety of areas of biology including the nature and practice of science, ecology, evolution, biochemistry, cell structure and function, cell processes, genetics and human biology. Environmental stewardship will serve as a central theme and permeate the aforementioned content.

Fundamental academic skills will be explicitly taught and will include note taking, strategies for effective test preparation, and methods for extracting information from science texts and other articles. Students will be given multiple opportunities to practice skills used by scientists. These skills include making observations, organizing data and analyzing data, and drawing data-based conclusions.

AP® Biology **11th-12th Grades**

1 credit

Prerequisites: Successful completion of Biology and College Prep Chemistry or Honors College Prep Chemistry

Through varied approaches and activities, students will be prepared for the **AP® Biology** exam in May. This course will explore a wide breadth of biological study including biochemistry, cell biology, molecular biology, genetics, evolution, ecology, and plant & animal physiology. Students will spend approximately 25% of class time in the laboratory exploring ideas and developing a scientific skill set; students will also design their own independent investigations for most labs. This class meets for one and a half periods.

Chemistry **10th-11th Grades**

1 credit

Prerequisite: Biology

In this summer school course, students learn key concepts of chemistry; for example, principles of measurement, matter, energy, states of matter, gas laws, kinetic molecular theory, mixtures and compounds, and the internal structure of the atom. Students build on this foundation to study chemical reactions, stoichiometry, and chemical bonding. This two-semester chemistry course meets during the summer. Only one semester may be completed during a summer session.

College Prep Chemistry **10th-11th Grades**

1 credit

Prerequisite: Biology

Through lecture, individual, small group, and laboratory activities, students will acquire an understanding of the key concepts of chemistry, including principles of measurement, the atomic theory, basic quantum theory, chemical equations, mole calculations, gas laws, the kinetic theory, stoichiometry, solutions chemistry, thermo-chemistry, and nuclear chemistry. Note-taking skills, tools for effective test preparation, strategies for solving word problems using algebra, and methods of extracting information from science resources will be emphasized. Students will be given multiple opportunities to practice the skills used by scientists. These skills include observation, organization of data, graph construction and interpretation, mathematical manipulation of data, mathematical evaluation of data, and the drawing of data-based conclusions.

Students will also complete at least eight ACT prep activities and be given lecture-based tips for attacking the science section of the ACT.

Honors College Prep Chemistry

10th Grade

1 credit

Prerequisite: Biology

This is an Honors Level version of College Prep Chemistry. This course covers the same major topics as College Prep Chemistry, but faster, in greater depth and with greater mathematical rigor. It includes the use of physical, graphical, and mathematical models. As a result, strong algebra skills are required.

AP® Chemistry

11th-12th Grade

1 credit

Prerequisite: Successful completion of College Prep Chemistry or Honors College Prep Chemistry

Through a variety of approaches students will develop the knowledge base and problem-solving skills necessary to be prepared for the AP Chemistry test in May. AP Chemistry covers the topics common to two semesters of college-level introductory chemistry including stoichiometry, the kinetic theory, equilibrium, models of chemical bonding, acid-base theories, redox, electrochemistry, kinetics and thermochemistry. Students will spend approximately 25% of class time in the laboratory developing college level lab skills in synthesis, analysis, separation and spectroscopy. Students will also complete at least 6 inquiry-based labs in which they develop their own procedure. Students enrolled in this course will be expected to have mastered a wide range of academic skills including algebra. This class meets for one and a half periods.

College Prep Physics

11th-12th Grade

1 credit

Prerequisites: Biology and College Prep Chemistry or Honors College Prep Chemistry *plus a grade of "C" or better in Algebra I*

Students learn key physics concepts and processes of physics. Topics include kinematics, Newton's laws, energy, momentum, gravitation, waves, sound, optics, electricity, magnetism, electromagnetism, and an introduction to modern physics. A physics of sport mini-unit is included. Students learn physics by doing physics. The course includes paradigm labs and guided inquiry through which students develop graphical and mathematical models of how the world works. Students build knowledge by doing lab investigations, making oral presentations of their findings, working on small group activities and major projects, solving problems, and responding to direct instructions. This is a college preparatory high school physics course that is accessible to any student who meets the prerequisites and is willing to work.

Honors College Prep Physics

11th-12th Grade

1 credit

Prerequisites: Biology and College Prep Chemistry or Honors College Prep Chemistry *plus a grade of "C" or better in Algebra II.*

This physics course provides opportunities for students to develop a profound, connected understanding of key physics concepts. Topics include kinematics, Newton's laws, energy, momentum, gravitation, waves, sound, optics, electricity, magnetism, electromagnetism, and an introduction to modern physics. Emphasis is placed on scientific reasoning and writing, graphical techniques, and development of physical and mathematical models. Students learn to solve direct application and non-routine problems. Students take part in a variety of modes of scientific activities, ranging from teacher directed confirmation experiments to open-ended student designed research. Students may take the AP Physics I examination; resource materials and exam prep are provided for those interested.

AP® Physics C

11th-12th Grade

1 credit

Prerequisites: College Prep Chemistry or Honors College Prep Chemistry. *Completion of Precalculus is recommended.*

AP Physics C is a one-year course which focuses on the fundamentals of calculus-based mechanics with further development of calculus-based electricity concepts. The course features many lab investigations, teacher and student designed experiments, project work, deep processing of concepts, and exploration of current topics in physics. Students tackle challenging, non-routine problems which require the use of physical, graphical and mathematical models. Science reasoning and writing skills are developed. This class is comparable to an introductory college physics course for science and engineering majors, and it meets for one and a half periods. Emphasis is placed on preparation for the AP Physics C Mechanics examination. For those students may also challenge the AP Physics C Electricity examination, additional review and lab sessions are provided.

Earth Science 1: Mineralogy

10th-12th Grade

.5 credit

Prerequisite: Biology and any Chemistry

Through lecture, individual, small group, and laboratory activities, students will gain an understanding of the major concepts of earth science, including the rock cycle, plate tectonics, characteristics and classification of rocks, minerals, and soils, crystal formation and growth, gems/ores, physical/mechanical weathering, mass wasting, the water cycle and river characteristics. Students will be required to develop sets of dichotomous keys used to identify rocks and minerals. These keys will be tested, refined, and used for several performance-based tests during which unknowns will be identified by students.

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Earth Science 2: Earth-Shaping Forces

10th-12th Grades

.5 credit

Prerequisite: Biology and any Chemistry

Through lecture and lab activities, both individual and small group, students will gain an understanding of some of the major concepts in earth science, including glacial and wind erosion and deposition, historical geology, meteorology, oceanography, astronomy (including comparative planetology, cosmology, and modern theory), petrology in reference to fossil fuel production and use, and environmental stewardship. As a component of the course, students will conduct independent and group research which will be presented to the class.

Environmental Science

11th-12th Grades

.5 credit

Prerequisite: Biology

Students will investigate the interdisciplinary field of environmental science through a variety of approaches. Focus in this one semester course is not only on the science behind our natural world but also the social, economic and environmental implications of human action. Topics covered include ecology, water resources, agriculture and food resources, energy and atmospheric science, and biodiversity and conservation. As part of the lab requirement, students will complete a stream ecology study. Class discussion is a vital component of this class.

Anatomy and Physiology

11th-12th Grades

.5 credit

Prerequisite: Biology and any Chemistry

Students will investigate how the human body functions through lectures, labs, discussions and activities. Each of the 11 body systems will be explored in this one semester course with a focus on homeostasis. Virtual fetal pig and human cadaver dissections will be used throughout the course to further explore body systems. Each unit will also explore diseases and disorders that affect the systems being studied. Students interested in medical or health related fields may find this course particularly useful.

Physical Education: Personal Wellness

A quality physical education and wellness program supports the physical, intellectual, and social-emotional development of students. When students maintain adequate levels of physical fitness and make healthy choices, the conditions and opportunities for learning also increase. To facilitate optimal levels of wellness, the Personal Wellness Department is committed to delivering a comprehensive curriculum that will engage and inspire students to pursue lives of fitness-related activities and healthy decisions.

The objective of the Personal Wellness program is to provide students with the knowledge and skills to value and apply physical activity and its benefits for a lifetime. Through active participation in movement and sport, students will foster an appreciation for personal fitness and social skills vital to becoming healthy, productive members of the community. The emphasis on lifetime activities and the application of health information to authentic situations will support the role of individual responsibility in maintaining wellness.

**Physical Education/Wellness I for Women
Physical Education/Wellness I for Men
All Grades .5 credit**

Physical Education/Wellness I combines classroom instruction and physical activity. The focus is on a variety of health topics such as decision-making, goal-setting, stress and stress management, foundations of nutrition, and physical activity concepts. Students will also participate in a selection of team sports from among the following: football, handball, volleyball, soccer, and basketball. Fitness levels will be assessed at the beginning and end of each semester. This testing is intended to help students become aware of their current fitness levels and identify what they can do to lead healthy lifestyles. This class should be taken in the ninth grade year and prior to any other physical education class.

**Physical Education/Wellness II for Women
Physical Education/Wellness II for Men
10th-12th Grades .5 credit**

Physical Education/Wellness II combines classroom instruction and physical activity. Topics include recreational skills and activities such as orienteering/survival skills, dance, Frisbee golf, pickleball, badminton, ultimate Frisbee, bocce ball, tennis, golf, self-defense, first aid/personal care, and foundations of personal fitness and resistance training. In addition, students will be tested on different health-related components of fitness such as muscular strength, muscular endurance, flexibility, and cardio-respiratory endurance. This class is great to take prior to FCS or may be taken more than once.

**Personal Wellness (co-educational)
10th-12th Grades .5 credit**

Personal Wellness is a combination of classroom instruction and physical activity. The focus is on the development of a healthy balance of mental, emotional, and physical health through activities promoting stress reduction and relaxation while enhancing strength, flexibility, balance, and body alignment. Young men and women work together in this class.

**Fitness, Conditioning, & Strength for Men
Fitness, Conditioning, & Strength for Women
10th-12th Grades .5 credit**

FCS is a one-semester course designed for students who are interested in fitness activities as well as individual strength and conditioning programs. Students will broaden their knowledge of strength training principles and incorporate them into their own individualized programs. Students will learn the proper techniques, safety, and correct lifting forms for all exercise movements, major muscle groups, sports related injuries, and the basics of nutrition. Other activities that will be stressed throughout the course are cardio-respiratory fitness, flexibility, power, plyometrics, circuit training, muscular strength, and endurance exercises. *This class may be taken more than once.*

**Health
10th -12th Grades .5 credit**

Health is a required course that encourages students to accept personal responsibility for attaining and maintaining a healthy and independent lifestyle. Students will learn information that relates to all aspects of health, including, mental health issues, reproduction and human sexuality, alcohol and drugs, and how to meet the challenges of healthy decision-making. Adult CPR/AED is a graduation requirement for all students. Students will receive this certification during class hours. The cost of certification materials is between \$10-\$15.

**Hybrid Health
10th-12th Grades .5 credit**

This hybrid option of Health is completed on-line with a small part being completed in the classroom in order to fulfill the CPR/AED certification requirement. Online classes demand significant organizational skills and motivation to meet expectations. The completion of this course is entirely a student's responsibility. It is important for students to check their emails regularly and communicate effectively with the instructor and classmates while fulfilling expectations. The Adult CPR/AED requirement must be completed to earn credit for this class.

Social Studies

The Holy Family Catholic High School Social Studies Department prepares students to be participating citizens of society who are knowledgeable and thoughtful. Students will be able to analyze varied resources to understand multiple perspectives, effectively communicate and collaborate in diverse communities, and think critically in order to understand the past, engage in the present, and impact the future.

World History & Geography 9th Grade

1 credit

World History is a required yearlong course integrated with World Literature and Sacred Scripture. Students will trace human history from the beginnings of agriculture and settled life to the time of the First World War. This is a true world history course, including information on civilizations in China, India, Africa, and the Americas as well as Europe and Western Asia. World History and Geography incorporates concepts and themes from literature and theology, and includes the study of geography, culture, government, and technology. This course places a special emphasis on geography with map identification incorporated into the curriculum.

American Government 10th-12th Grade

.5 credit

American Government is a required social studies course that may be taken in semester or Advanced Placement form. In this semester format, students will learn about the powers and responsibilities of the three branches of national U.S. government, as well as the general workings of basic political systems. They will also explore federal and state divisions of power, U.S. political parties, and American civil liberties. Students will become informed citizens through this class. To this end, students will be required to attend a political meeting outside of the classroom and write a reaction to it.

AP® Human Geography 10th-12th Grade

1 credit

Advanced Placement Human Geography is a year-long course that gives students the opportunity to earn college credit. It is designed to represent a systematic study of the earth's inhabitants. The course covers units about maps, population, migration, culture, language, religion, ethnicity, political geography, economic development, industry, agriculture, and urban geography with a focus on geographic models and their applications. Case studies involving local, regional, and global scales are used, as well as internet activities, field excursions and research, and videos to explore human geography topics.

AP® Government and Politics 10th-12th Grade

1 credit

Advanced Placement Government and Politics provides a college-level nonpartisan introduction to key political concepts, ideas, institutions, policies, interactions, roles, and behaviors that characterize the constitutional system and political culture of the United States. Students will study U.S. foundational documents, Supreme Court decisions, and other texts and visuals to gain an understanding of the relationships and interactions among political institutions, processes, and behaviors. They will also engage in disciplinary practices that require them to read and interpret data, make comparisons and applications, and develop evidence-based arguments. The nightly homework assignments are in line with College Board requirements for AP courses. In addition, they will complete a political science research or applied civics project.

Economics and Personal Finance 10th-12th Grades

.5 credit

Economics and Personal Finance is a one-semester elective class open to all students who have completed World History. Students will study economic decision-making at the personal, corporate, and governmental levels, and will gain practical skills such as completing a tax return, preparing a household budget and managing a checking account, line of credit, and investment portfolio.

Psychology 10th-12th Grades

.5 credit

Why do people behave the way they do? Psychology is a one-semester elective course designed to answer this question. Historical and contemporary beliefs in psychology will be addressed. A major focus of the course will be child and teen development, the central nervous system, and psychological disorders. Students will actively investigate their own learning processes and personality characteristics.

The Psychology of Business and Marketing
10th-12th Grades **.5 credit**

Ever wonder why Super Bowl commercials are so good? Think you have the next Slime or Silly Band idea, or simply want to understand how ideas turn into big businesses? Are you both creative and analytical? This semester course allows students to experience the world of business and marketing without a textbook! This unique course is designed and presented by established business and marketing leaders. Students will be exposed to a broad understanding of business, marketing, finance, entrepreneurship, management, and more. Discover career preparation and goal-setting by identifying areas of interest and strength, preparing profiles and resumes, and practicing interview skills. Students will experience real management and leadership skills, solve real-world challenges and even work on a final that involves developing a plan and presenting it in a Shark Tank-like environment.

This semester course integrates other disciplines such as public speaking, economics, and technology; however, there are no prerequisites. In the business world, things move fast . . . don't miss this opportunity to capture knowledge and gain authentic experience!

This class does not qualify as one of the required social studies credit options.

American Legal Studies
11th-12th Grades **.5 credit**

This semester course will introduce students to the American legal system and the legal principles on which it is based. Students will study how both criminal charges and civil disputes are resolved by the court system and alternative dispute resolution methods. Students will learn about the roles of lawyers, judges, juries, and other participants in the legal system. They will also analyze constitutional law principles and Supreme Court cases dealing with individual rights, including freedom of speech, freedom of religion, freedom of the press and right to privacy, due process and discrimination.

United States History
11th Grade **1 credit**

United States History is a required course for juniors. The requirement, however, may be fulfilled through an Advanced Placement approach (see below). The year's study will combine a thematic and chronological approach to events and issues facing the United States from the 1600's to the 20th Century. This course is designed to give students an understanding of our evolving democracy and knowledge of our past through basic themes in U.S. history and integration with American Literature and Ecclesiology.

AP® U.S. History
11th-12th Grades **1 credit**

Advanced Placement United States History is a full-year college level course. Students taking this course must be prepared to engage in critical thinking, synthesize materials, have good writing skills, and be prepared to examine and analyze original documents from the American past. This course is designed to help students come to a profound understanding of the major issues and conflicts that have shaped our nation into what it is today. Students will be expected to write full-length research papers and do college level reading assignments as well as take tests based on the format of the AP U.S. History exam given in May. These tests will include analysis of primary source documents as well as full-length essay questions requiring critical thinking and analysis of historical trends. Students who do well on the spring exam may receive college credit. This course has required reading and writing assignments that must be completed over the summer. The nightly homework assignments are in line with College Board requirements for AP courses.

Technology/Practical Arts Education

The philosophy of the Technology Education Department is to prepare students to function capably and ethically in a highly technological and, therefore, ever-changing society. Emphasis is on fundamental principles and applications. A wide variety of software programs are utilized, affording students the skills they need to address their needs successfully today and in the future. Courses are designed to serve students with differing abilities, interests, and goals.

Computer Applications

All Grades

.5 credit

An introductory course, Computer Applications includes the skills of word processing, database management, spreadsheets, desktop presentations, web page design, and software integration. Students will learn both traditional desktop software along with Microsoft 365 and other cloud applications. Mini presentations will be used to display understanding of skills.

Computer Applications II

All Grades

.5 credit

Prerequisite: Computer Applications

Students enrolled in this semester course will experience practical and creative use of the skills learned in Computer Applications. Development of collaboration skills, effective communication dynamics, and problem-solving tools will be incorporated into projects. Students will create a final presentation on a given topic that will incorporate all computer application software and presentation skills.

Technology Studies

All Grades

.5 credit

Prerequisite: Algebra I or passing score on math placement test.

This is an integrated course which takes the student through basic technology concepts and fundamentals in design theory, web page, programming, engineering graphics and architecture. Students work on creative thinking, visualization techniques, and project management while creating visual designs in each core unit. Students will work on various projects exploring different designs, simple games, animations, web pages, CAD drawings, and other current technologies to communicate their ideas. The course will also explore other internet technologies such as email and file-sharing and the legal, ethical, and financial impact of these technologies.

Completion of the course allows students to enroll in Advanced Programming, Engineering II, and Architecture I, which are prerequisites for Robotics, Advanced Computer Science, Architecture II, and Innovation Lab.

PLEASE NOTE: Photography II (see page 19 for description), Video Production I, and Video Production II courses may be used for either technology credits or for fine art credits. See the full descriptions listed in the next section, Visual Arts.

Advanced Programming

All Grades

.5 credit

Prerequisite: Technology Studies

This is a one-semester course that primarily utilizes the JAVA programming language to cover some of the more advanced topics in programming which were only introduced in Technology Studies. Key among these topics is object oriented programming. Other topics will include the program life cycle, graphic techniques, user interface design, and hardware components. Throughout the course, students will explore realistic problems from preliminary design stage through coding and debugging.

AP[®] Computer Science

All Grades

.5 credit

Prerequisite: Advanced Programming

This second-semester JAVA programming course will continue what was begun in Advanced Programming. Students will spend more time looking at advanced structures and algorithms as well as error handling. They will learn about queues plus trees and their uses for searching and sorting data. This course will prepare students to take the AP[®] Computer Science exam.

Engineering Graphics II

All Grades

.5 credit

Prerequisite: Technology Studies

In this one-semester course, students will work on solid modeling drawings, assemblies, animations, frame generator, and sheet metal design. They will calculate gears, threads, and go over tolerances. File management will be applied to assembly drawings as well as be animated and put under stress analysis. Once a month, students will complete a design challenge that consists of CAD drawings, building with the 3D printer, and a variety of electrical components.

Introduction to Robotics

All Grades

.5 credit

Prerequisite: Engineering Graphics II

This one semester course will use a hands-on approach to introduce the basic concepts of robotics, focusing on programming, sensors, gears, mechanical devices, 3D design applications, and usage. The class will explore the ethical and moral implications of robot usage by going over case studies and writing a paper. Course information will be tied to lab experiments; students will work in teams to build and test increasingly more complex competitive challenge robots, culminating in a semester robot final.

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Robotics 2
All Grades **.5 credit**

Prerequisite: Introduction to Robotics

During this semester course, students will be using a variety of materials to construct a complex robot. Java programming language will be applied to run the robot autonomously and by remote. Students will be required to design and document the construction of their robots on the computer. Completed robots will compete in the FIRST Tech Challenge (FTC) which is held on multiple Saturdays. All students are required to attend each competition.

Robotics 3
All Grades **.5 credit**

Prerequisite: Robotics 2

Students will create a competitive robot to compete in the FRC robotics competition. Students will be introduced to the competition and the robots systems. Learning outcomes will focus on safety, mechanical structures, electrical, CAD, design, pneumatics, prototyping, 3D printing, manufacturing and programming. Students will also be introduced to create a business plan, outreach, and strategic analysis of their work. Students will be required to compete in the MN qualification tournament.

Architecture I
All Grades **.5 credit**

Prerequisite: Technology Studies

In this one-semester course, students will study the design aspects and history of architecture. They will learn how to use Autodesk Revit software. While learning the software, students will complete preliminary sketches, elevations, sections, floor plans, plot layouts and detailed drawings.

Architecture II
All Grades **.5 credit**

Prerequisite: Architecture I

In this one-semester course, students will build on the skills and knowledge they learned in Architecture I. They will also learn about lighting, renderings, and walk-throughs for presentations. Each student will design, draw, and build a scale model of a home. During the course, students will research new technology and practices that make the housing development eco-friendly.

Innovation Lab **.5 credit**

Prerequisite: Robotics, AP Computer Science, Architecture II *or with permission*

Innovation Lab is a capstone class that allows students who have completed the advanced classes in one of the various technology tracks to combine talents and skills to work on an integrated project. Students will present their idea, design it, build it, and present their achievements as a group to the technology department. This class encourages our advanced students to combine resources and recognize how each technology path plays a role in creation.

Design and Manufacturing **.5 credit**
All Grades

Prerequisite: Engineering 2

This course will expose students to the digital design applications and 2 different manufacturing process. Students will utilize different CAD software and other design software to create digital parts. They will then utilize additive manufacturing(3d Printing) to produce prototypes or final products. The last manufacturing process will be Subtractive Rapid Prototyping(SRP) using the CNC router to create functional prototypes out of aluminum, wood, polycarbonate and other materials.

Publication Design
10th-12th Grades **1 credit**

The objective of this class is to plan, design, publish and distribute the Holy Family Catholic High School yearbook and newspaper. Students will have regular assignments and responsibilities that will contribute to their understanding of good publication practices and the specific elements of our publications. Some of these responsibilities include the requirement of attending after school or weekend events (school plays, concerts, competitions, etc.) in order to take pictures and write stories. Both publications have hard deadlines so students will need to be organized and timely with their responsibilities. This class meets everyday, opposite lunch, all year.

Video Production I
All Grades **.5 credit**

Students in the course will be exposed to various aspects of video production in a cooperative crew setting in which they will gain hands-on knowledge and develop media skills through in-class, studio, and field activities, in addition to live webcasting. Processes covered in class include pre-production planning, shooting, basic lighting techniques, sound editing, and live production. Students will be exposed both to technical and artistic concerns as well as theories of expression, interpretation and critical analysis of moving images throughout our society. This class may be taken for art or technology credit. Identify preference on class registration form.

Video Production II
All Grades **.5 credit**

Prerequisite: Video Production I *or permission of instructor.*

This semester course builds off the knowledge base students acquire in Video Production I, both conceptually and in terms of skill development. Though some projects may be group efforts, Video II emphasizes independent inquiry. Students will explore their personal creative vision and expression through a more sophisticated use of cameras, editing tools, sound, and light. Students will also develop a better understanding of the use of moving images through a greater focus on artistic theories and analysis. This class may be taken for art or technology credit. Identify preference on class registration form.

Visual Arts

The visual arts are integral to the intellectual, emotional, and physical growth of students. Visual art provides an opportunity for students to be expressive in different media. Higher order thinking skills are developed. At the same time, there is a need for people who are creative, good problem solvers, and independent workers. The visual arts help students develop these qualities. Art education is also designed to help students learn to value God's beautiful creations.

Art I **All Grades** **.5 credit**

This one-semester course is a prerequisite for many of the other art courses. Art I addresses learning and practicing many media techniques, an awareness of the elements of art, and an appreciation and analysis of artists' works. Students will draw, paint, collage, and sculpt while working from observation, as well as from photo resources. Students will learn and practice foundational drawing skills as these skills are necessary for any further art courses. They will gain an understanding of incorporating compositional techniques in their own works, too. Written work, quizzes, and tests are as important to the course as the creation of art itself. Attendance at the Art Show is required.

Drawing I **All Grades** **.5 credit** *Prerequisite:* Art I

This one-semester course is designed for those who wish to pursue drawing more intensely. Working mostly from observation, students will be asked to critique their work carefully and take responsibility for making the necessary improvements. They will work both with value studies as well as full color. The students will also spend time analyzing the works of other artists. Mixed media techniques will be introduced and practiced in the second quarter. Written work, quizzes, and tests are important aspects of the course. Attendance at the Art Show is required.

Drawing II **All Grades** **.5 credit** *Prerequisite:* Drawing I

This course is designed for the student who has developed technical skills and wishes to continue intense practice of techniques. Students will work on various assigned projects throughout the semester, as well as several individually themed pieces. The process of selecting a theme for each piece will be a collaborative effort between the artist and the teacher. Once decided, students will create their own compositions in the drawing media of their choice. Students will also spend time analyzing the works of other artists. Each student will complete a minimum of 10 drawings during the semester. Work outside of class is expected. Written work, quizzes, and tests are as important as the creation of art itself. Attendance at the Art Show is mandatory.

Painting I **All Grades** **.5 credit** *Prerequisite:* Art I

This one-semester course is designed for those who wish to pursue painting more intensely. Students will begin by gaining an understanding of the skills of color mixing and working from observation. Using acrylic, tempera, and watercolor, the students will learn and practice working from observation and photo resources. Students will be asked to critique their work more deeply and take responsibility for making the necessary improvements. They will work both with value as well as full color. Mixed media techniques will be introduced and practiced in the second quarter. Written work, quizzes and tests are important aspects of the course. Attendance at the Art Show is required.

Painting II **All Grades** **.5 credit** *Prerequisite:* Painting I

This course is designed for the student who has developed technical skills and wishes to continue intense practice of techniques. Students will work on various assigned projects throughout the semester, as well as several individually themed pieces. The process of selecting a theme for each piece will be a collaborative effort between the artist and the teacher. Once decided, each student will complete a minimum of ten paintings during the semester. Work outside of class will be necessary. Attendance at the Art Show is mandatory.

Advanced Drawing/Painting **All Grades** **.5 credit** *Prerequisite:* Drawing II or Painting II

This course is designed for students who have completed Drawing 1 and 2 or Painting 1 and 2 and would like to continue to advance their skills in art. The course focuses on enhancing breadth and experimenting with painting, drawing, and other 2-dimensional techniques. A variety of works will be produced through various challenges and assignments. Art history as well as the observation of current artists is an important component to this class. Written work, quizzes, and tests are aspects of this course. Attendance at the Art Show is mandatory.

AP® Studio Art: Drawing Portfolio
11th-12th Grades

1 credit

This course has been designed to accommodate students who have expressed an interest in completing the AP® Drawing Portfolio exam. All content meets the requirements as stated in the student exam poster. Through direct teacher instruction, emphasis will be placed on the production of a volume of quality pieces of art work. Students will address all three sections of the portfolio: Breadth, Concentration and Quality.

Students will be challenged to develop their own personal work. Students will develop mastery of concept, composition, and execution of their personal ideas and themes. Students will also understand that art making is an ongoing process that uses informed and critical decision making to determine outcomes to problems. Students will be expected to develop a comprehensive portfolio that addresses each of these issues in a personal way. Formulaic solutions to problems are discouraged. This course requires two class periods, year-long in addition to pre-course summer work.

Clay I
All Grades

.5 credit

Students will create a variety of clay pieces, learning and practicing the hand-building techniques of coils, slabs, hollow forms, and extrusions. They will also learn and practice basic wheel throwing. This course includes learning three-dimensional design concepts and analyzing craftsmanship quality. Emphasis will be on improvement of personal craftsmanship. Written work, quizzes, and tests are integral parts of the class. Attendance at the Art Show is required.

Clay II
All Grades

.5 credit

Prerequisite: Clay I

Students will continue to practice the hand-building techniques from Clay I while beginning to work on a larger scale with more advanced forms. Throwing techniques will be practiced and students will be expected to master many different forms on the wheel. Advanced forms, such as teapots, will be practiced as well as the concepts of creating "sets" of wares. Emphasis is placed on high craftsmanship, balance within the forms, and advanced glazing techniques. Written work, quizzes, and tests are as much parts of the course as the creation of art. Attendance at the Art Show is required.

Clay III
All Grades

.5 credit

Prerequisite: Clay II

Students will continue to practice hand-building techniques and wheel-throwing skills. Students will also be asked to accomplish more serious critiquing of their forms. Multiple different forms will be created with an emphasis on creating original, thought-provoking work in clay. A sketchbook will be maintained with weekly assignments and critiques. Attendance at the Art Show is required.

Clay IV
All Grades

.5 credit

Prerequisite: Clay III

Clay IV continues to fine-tune students' abilities on and off the wheel. Students will learn an appreciation for the entire clay process by being involved with the mixing of clay and loading/unloading of kilns. Students will research ceramic artists and gain an understanding of the importance of ceramics in the history of the art world. Students will help with the process of selecting themes for each piece and will need to commit to time out of class to finish works. The use of non-traditional clay materials will be introduced as well as more advanced glazing techniques. Attendance at the Art Show is required.

Clay V
All Grades

.5 credit

Prerequisite: Clay IV

Students will continue to fine-tune their abilities on and off the wheel through a variety of challenges and assignments. Students will be involved from start to finish in the making of clay as well as the firing process and mixing of glazes. In addition, students will help select the themes and projects and collaborate with the instructor to meet established goals. The use of non-traditional clay materials will be optional as well as more advanced glaze and working techniques. Students will create a minimum of 10 pieces and participate in the Art Show displaying these works.

Photography I
All Grades

.5 credit

Requirements: Students must provide their own digital cameras (10 Megapixel or more). Cameras must have USB cables or removable memory cards and instruction manuals. Students must have access to the Internet and on-line course materials.

Students will learn to use digital cameras while investigating how to make and produce quality photographic images. They will study the history of photography, elements and principles of art and design as they relate to photography, aesthetics, and art appreciation with an emphasis on effective visual communication. Anyone can take a snapshot, but one must learn to see before he understands how to make a good photograph. Attendance at the Art Show is required.

Photography II /Digitally Enhanced

All Grades

.5 credit

Prerequisite: Photography I or permission of instructor.

Requirements: Students must provide their own digital cameras (5 Mega-pixel or more and pen/flash drive (128 MB or better - 256 MB preferred). Cameras must have USB cables or removable memory cards and instruction manuals.

Students will learn how to improve existing digital images as well as how to create new dynamic images using photographic imaging software. They will study basic image file formats and how to work with them; learn how to perform standard adjustments and editing techniques to improve or alter images; and explore various manipulation procedures to change or create new images, all within the digital desktop environment. They will review elements and principles of art and design as they relate to photography, and expand their eye for aesthetics and art appreciation with an emphasis on visual expression and communication. Attendance at the Art Show is required. This class may be taken for art or technology credit. Identify preference on class registration form.

Video Production I

All Grades

.5 credit

Students in the course will be exposed to various aspects of video production in a cooperative crew setting in which they will gain hands-on knowledge and develop media skills through in-class, studio, and field activities, in addition to live webcasting. Processes covered in class include pre-production planning, shooting, basic lighting techniques, sound editing, and live production. Students will be exposed both to technical and artistic concerns as well as theories of expression, interpretation and critical analysis of moving images throughout our society. This class may be taken for art or technology credit. Identify preference at time of registration.

Video Production II

All Grades

.5 credit

Prerequisite: Video Production I or permission of instructor.

This semester course builds off the knowledge base students acquire in Video Production I, both conceptually and in terms of skill development. Though some projects may be group efforts, Video II emphasizes independent inquiry. Students will explore their personal creative vision and expression through a more sophisticated use of cameras, editing tools, sound, and light. Students will also develop a better understanding of the use of moving images through a greater focus on artistic theories and analysis. This class may be taken for art or technology credit. Identify preference on class registration form.

Music

Music is an art form that speaks to the intellect, the emotions, and the spirit. The satisfactory composition and performance of music, based upon the knowledge gained through careful preparation, is among the most rewarding of human experiences. Great scholars and great thinkers have always considered music to be an essential element in the development of a complete individual. In ancient Greece, as well as the classical schools of the Renaissance, music was at the very core of the curriculum – an equal to mathematics, science, and literature. Aristotle considered music to be the most important subject for the development of the mind.

Music leads to a complete education. It contributes to physical, intellectual, emotional, and spiritual growth, opens the mind to new perspectives of the world around us, and enhances the skills and enriches the knowledge gained in other disciplines.

Band **All Grades**

1 credit

Members of Concert Band will have the opportunity to perform many different styles of literature including marches, ballads, medleys, new compositions for wind band, transcriptions, and classics from the band repertoire. Focus is on performance skills, music notations, theory, vocabulary, and interpretation. This class will meet for a full period every day, and students will be required to complete 2-4 lessons with the instructor each quarter. Each student is strongly encouraged, however, to study with a private instructor. Attendance is required at extra rehearsals and all performances. Pep Band is a component of this class, with students playing at 9-10 events each year. This is a year-long course.

Jazz Ensemble **9th Grade**

.5 credit

*Prerequisite: Concurrent enrollment in **Band** (exceptions: piano, bass, guitar) and audition.*

The Jazz Ensemble is selected by audition only and is both curricular and extracurricular, in that the group meets every other day opposite lunch and also meets for one 60-90-minute rehearsal after school each week. The specific time will depend on the students' schedules. The Jazz Ensemble will perform a wide range of jazz styles including swing, funk, Latin, and ballad. Membership is open to alto, tenor, and baritone saxophones, trumpets, trombones, piano, guitar, bass, and drums, as well as less/non-traditional jazz instruments such as flute, clarinet, French horn, and tuba. This group performs at Coffee House twice a year and Jazz Nite in the spring. They may also travel to jazz festivals throughout the year. This is a year-long course.

Jazz Band **10th-12th Grades**

1 credit

Prerequisite: Concurrent enrollment in Band (exceptions: piano, bass, guitar) and audition.

The Jazz Band is selected by audition only and is both curricular and extracurricular, in that the group meets every day opposite lunch and also meets for one 60-90-minute rehearsal either after school, in the evening, or on a weekend. The specific time will depend on the students' schedules. The Jazz Ensemble will perform a wide range of jazz styles including swing, funk, Latin, and ballad. Members are limited to alto, tenor, and baritone saxophones, trumpets, trombones, piano, guitar, bass, and drums. This group performs at Coffee House twice a year and Jazz Nite in the spring. They may also travel to jazz festivals throughout the year. This is a year-long course.

Introduction to Guitar **All Grades**

.5 credit

The purpose of this course is to expose the student to proper playing technique and a wide variety of guitar notation and playing styles in order to acquire a basic understanding of the instrument. By the end of the course, students will be able to perform several common chord progressions, understand chord symbols and charts, perform pick-style and finger-style accompaniment, understand standard music notation (note-reading), perform melodies and harmony parts in standard music notation in first position in a variety of musical styles, and tune the guitar. If there is time, students will explore songwriting. Students must provide their own 6-string guitars, preferably acoustic.

String Ensemble **All Grades**

1 credit

Members of the String Ensemble will have the opportunity to perform classic and popular repertoire for strings. The group includes all four members of the string family: violin, viola, cello, and bass. The class meets for one full period every day and students will be required to complete 2-4 lessons with the instructor each quarter, unless they study with a private teacher. Attendance is required at all extra rehearsals and performances. This is a year-long course.

Chorus
9th - 10th Grades **.5 credit**

Chorus is a mixed voices ninth grade and possibly sophomore ensemble. Whether students have sung in choirs all their lives or want to try something new, Chorus is a fun way to add something uplifting to each day as well as work with other freshmen to create art. Chorus meets daily for twenty minutes opposite lunch. In this short amount of time, students learn how to develop a mature tone and professional concert conduct. The group sings a varied repertoire of music and learns basic music theory and history to enhance understanding of the selections. Chorus performs in three major concerts and sings in two-part harmony. All are welcome. This is a year-long course.

Camerata
10th-12th Grades **1 credit**
Prerequisite: Chorus

Camerata is an all-female ensemble. This group sings in three to five-part harmonies and is made up of women from the sophomore, junior, and senior classes. In Camerata, emphasis is on stretching vocal range and building a supportive community of musicians. The class meets daily. The group performs in three major concerts each year and are requested for many off-campus opportunities at city and private events. Camerata is a year-long commitment as balanced parts are essential to this group and second semester music is in rehearsal in December. Music history and theory are applied in rehearsals to add dimension to selections.

Chorale
10th-12th Grades **1 credit**

Chorale is Holy Family's premier mixed-choir, singing in four to six-part harmonies. It is made up primarily of juniors and seniors. Chorale members meet daily for an entire class period. They wear concert robes and perform in three major concerts each year and may perform elsewhere by request. Chorale is a year-long commitment as balanced parts are essential to this group and second semester music is in rehearsal in December. Music history and theory are applied in rehearsals to add dimension to selections. Professionalism, flexibility, and hard work produces a sophisticated sound. This is a year-long course.

Pop Culture
All Grades **1 credit**
Prerequisite: By Spring audition (Incoming freshmen will be notified.)

Pop Culture is an 8-10 person, audition-only, mixed-voice pop group with singers of freshman and sophomore of the classes. Auditions are held the first week of school and all are encouraged to try. Pop Culture performs popular music from many eras and members will learn microphone technique and performance etiquette. The

group meets every day for 20 minutes. Consequently, practice outside of school is expected. Members do not need to be in Chorale or Camerata to be in Pop Culture but an extra requirement of two voice lessons a month will be required for those not in a large ensemble. Because of the importance of each singer, Pop Culture is a year-long commitment and all members must be present for all performances.

Voices of Fire
10th-12th Grades **1 credit**
Prerequisite: By audition

Voices of Fire is an 8-10 person, by-audition-only vocal jazz group made up of sophomores, juniors, and seniors and is the most select voical ensemble at Holy Family. Sometimes instrumentalists join the group with piano, drums, and bass guitar; sometimes the singers are the piano, drums, and bass guitar! Voices of Fire performs at three big events: two Coffee Houses and Spirit of Fire, Holy Family's dinner auction. In addition, the group may be requested for off-campus performances and a professional clinic/performance is often scheduled. Voices of Fire primarily sings jazz music, which is a very challenging genre. Students learn proper microphone technique and performance basics. They learn about lighting and sound equipment. Much of the material cannot be learned in the daily rehearsals so practicing outside of school is an expectation. Members do not need to be in Chorale or Camerata to participate in Voices of Fire but an extra requirement of two voice lessons a month is in place for those not in a large ensemble. Because of the importance of each singer, Voices of Fire is a year-long commitment and all members must be present for all performances.

Fundamentals of Music Theory I
10th-12th Grades **.5 credit**

This semester course is designed to teach music literacy and to increase students' knowledge of music beyond performance. Music Theory I students will develop the ability to recognize, understand, describe, and/or notate the basic concepts and processes of music that are heard or presented in a music score. In order to allow students to achieve a well-rounded understanding of musical structure, this course will address the basic elements of music (melody, harmony, rhythm, form, etc.) as well as compositional, analytical, and aural skills. Course concepts will be primarily based in Western music. Attempts will be made, however, to cross-relate certain musical ideas in order to increase appreciation of all musical traditions. Students will also have the opportunity to investigate careers in music, philosophies of music, and music's connection to culture and other fine arts. This course will be especially useful for students who plan to pursue music in a post-secondary environment.

Fundamentals of Music Theory II

10th-12th Grades

.5 credit

Prerequisite: Fundamentals of Music Theory I

This semester course is a continuation of Fundamentals of Music Theory I and will focus on composition: learning the principles of voice leading, part-writing, harmonic progressions, cadences and form, and non-chord tones. Students will complete a final composition project which will be performed; either live or pre-recorded, toward the end of the semester.

World Languages

Learning a world language contributes to a student's development in many ways. It can broaden a student's view of the world, expand knowledge, and offer unlimited opportunities for comparison and intellectual growth. Studying a world language also helps the student gain an appreciation and respect for other cultures, their histories, and ethnic makeup. This knowledge can be an advantage not only personally, but also professionally. There are currently three languages offered at Holy Family Catholic High School: Spanish, Italian, and Latin. They are all offered for four-year or five-year sequences.

World language study is highly recommended for its linguistic, cultural, and practical benefits; however, learning a language can be challenging. It involves a variety of skills and a great deal of memorization. Students who are interested in preparing for college in the most thorough way should plan on committing to at least 2-3 years of language study. Specific post-secondary requirements vary by school and major.

Goals of the World Language Department include:

- Deepen the student's knowledge and appreciation of the target language and culture;
- Increase the student's ability to speak the language.;
- Increase the student's ability to understand the language;
- Increase the student's confidence in interacting with native speakers.

Spanish I All Grades

1 credit

In this first-year Spanish course, students are introduced to the four basic language skills: listening, speaking, reading, and writing using the methodology of Comprehensible Input where one "acquires" a language. Students develop these skills with the help of novels, oral and written exercises, and class presentations. Students will learn an extensive vocabulary along with the present tense of Spanish verbs. They will also gain cultural awareness of Spanish speaking countries.

Spanish II All Grades

1 credit

Prerequisite: High School Spanish I or passing score on Holy Family spring Spanish placement exam

In this course, we will achieve the learning goals by using the Comprehensible Input method. The instructor will collaborate with the students to create a learning culture where students learn grammar, language structure and vocabulary by using authentic real-world situations in order to explore the language and to create fluency and accuracy. We will use listening and reading materials that are level-appropriate for students to explore, experiment and use the language.

Spanish III All Grades

1 credit

Prerequisite: Spanish II

In this third-year Spanish course, students are continuing to learn & use the four language skills: listening, speaking, reading, and writing using the methodology of Comprehensible Input where one "acquires" a language. Students develop these skills with the help of the two books

in the target language, oral and written exercises, and class presentations. Students will continue to learn an extensive vocabulary along with understanding the Imperative and Subjunctive Moods. They will also review the Present and Past tenses. They will gain awareness of cultures present in Spanish speaking countries particularly Costa Rica & Spain.

Honors Spanish III All Grades

1 credit

Prerequisite: Spanish II and consent of instructor

In this course, we will continue using the Comprehensible Input method utilized in previous levels. The instructor will create a learning culture where students learn grammar, language structure and vocabulary by using authentic real-world situations in order to explore the language and to create fluency and accuracy. We will use advanced listening and reading materials that are level-appropriate for students to explore, experiment and use the language. At this level students will have the necessary tools to be linguistically accurate and to be aware of many cultural aspects of the Spanish speaking world.

Spanish IV All Grades

1 credit

Prerequisite: Spanish III and consent of instructor

In this fourth-year Spanish course, students are continuing to learn & use the four language skills: listening, speaking, reading, and writing using the methodology of Comprehensible Input where one "acquires" a language. Students develop these skills with the help of the three books in the target language, oral and written exercises, and class presentations. Students will write and present on the overall theme of "Quien soy yo?" (Who am I) and will be able to communicate about themselves in the target language. They will also review the Present, Past and Subjunctive tenses as well as learn the Future and

Conditional tenses. They will gain awareness of cultures present in Spanish speaking countries particularly in South America focusing on Peru and Argentina.

Spanish V **1 credit**
Prerequisite: Spanish IV and advice of instructor

In this course, students will confidently use the target language at all times. All students will be able to bring their language learning to life and they will be able to understand and speak the language naturally. We will use advanced listening, reading and conversational materials that are level-appropriate for students to confidently apply their knowledge of the target language. The main focus of the course is to provide students with the necessary tools to communicate effortlessly in Spanish and to reach the Intermediate High or above proficiency level according to ACTFL.

AP Spanish Language & Culture **1 credit**
Prerequisite: Spanish III and advice of instructor

In this course, we will continue using the Comprehensible Input skill-building practices utilized in previous levels. The instructor will continue fostering a learning culture where students learn grammar, language structure and vocabulary by using authentic real-world situations in order to explore the language and to create fluency and accuracy. We will use advanced listening, reading and conversational materials that are level-appropriate for students to confidently apply their knowledge of the target language. They will be able to connect their skills to the AP Test standards.

Italian I **1 credit**
All Grades

In this course, we will acquire Italian language. "Acquiring" will come through daily activities all conducted completely in Italian. We will talk about ourselves, make up stories, read various texts, write about things we've done, act things out in front of each other and much more. The instructor will use the Comprehensible Input teaching method. Our goals will be to acquire the most frequently used words in the Italian language and reach the Novice Mid proficiency level according to ACTFL.

Italian II **1 credit**
Prerequisite: Italian I

In this course, we will acquire Italian language. "Acquiring" will come through daily activities all conducted completely in Italian. We will talk about our surroundings, activities, fears, desires, geography; make up stories; read various texts; write about things we've done; act things out in front of each other and much more. The instructor will use the Comprehensible Input teaching

method. Our goals will be to acquire the most frequently used words in the Italian language and reach the Novice High proficiency level according to ACTFL.

Italian III **1 credit**
All Grades
Prerequisite: Italian II

In this course, we will acquire Italian language. "Acquiring" will come through daily activities all conducted completely in Italian. We will talk about our childhood, world history, our future; make up stories; read native texts; write about things we've done; act things out in front of each other and much more. The instructor will use the Comprehensible Input teaching method. Our goals will be to communicate fluidly with the most frequently used words in the Italian language and reach the Intermediate Low proficiency level according to ACTFL.

AP® Italian Language and Culture **1 credit**
Prerequisite: Italian III

In this course, we will acquire Italian language. "Acquiring" will come through daily activities all conducted completely in Italian. We will talk about current world/national issues and relate them to our own experiences; make up stories; read native texts; write about things we've done; act things out in front of each other and much more. The instructor will use the Comprehensible Input teaching method. Our goals will be to communicate entirely in Italian; reach the Intermediate High proficiency level according to ACTFL; and be prepared for the AP Italian Language and Culture Exam in May.

Latin I **1 credit**
All grades

In this course, we will acquire Latin language. "Acquiring" will come through daily activities all conducted completely in Latin. We will talk about ourselves; read and listen to *Lingua Latina: Familia Romana*; speak and write about what we've read; act things out in front of each other and much more. The instructor will use the Comprehensible Input teaching method. Our goals will be to acquire frequently used words in the Latin language; comprehend Latin texts unassisted by dictionaries; and reach the Novice Mid proficiency level according to ACTFL.

Latin II **1 credit**
Prerequisite: Latin I

Latin II will continue to develop the themes from Latin I. The students will improve translation skills through grammar study and the reading of some original texts. They will also learn about Roman conquest and the history of the Empire.

Latin III
All Grades

1 credit

Prerequisite: Latin II

Latin III will continue to build on the grammar and vocabulary study done in I and II. This class will focus on fluent reading of original Latin texts. The students will study Roman history and culture through these texts.

Latin IV
All Grades

1 credit

Prerequisite: Latin III

Latin IV reviews the grammar and vocabulary from previous levels and focuses on the fluent reading of original Latin texts. Students will read from Cicero, Virgil, and Augustine and analyze works for their literary, historic, and cultural value. Students will take part in discussions and presentations on these texts and their implications.

NCAA Approved Core Courses

To be eligible to practice and compete in intercollegiate athletics at an NCAA Division 1 or Division 2 institution during the first year in college, students must have maintained a satisfactory high school grade point average in 16 NCAA approved core courses for Holy Family Catholic High School and have received a satisfactory score on a standardized college entrance examination. Students and parents may log on to the NCAA website (www.ncsasports.org/ncaa-eligibility-center) for more information.

ENGLISH CURRICULUM

World Literature/Writing I
Contemporary Issues in Literature/Writing II
Honors British Literature/Advanced Writing II
American Literature/Writing III
Honors American Literature/Advanced Writing III
College Prep Writing/Writing IV
Creative Writing
Dramatic Literature
Modern Literature
AP® English
Speech

SOCIAL STUDIES CURRICULUM

World History & Geography
American Government
AP® Government & Politics
United States History
AP® United States History
American Legal Studies
Economics & Personal Finance
Psychology
Sociology
AP® Human Geography
AP® European History

MATHEMATICS CURRICULUM

Geometry
Honors Geometry
Algebra I
Algebra II
Honors Algebra II
Functions & Trigonometry
Statistics & Probability
Honors Pre-Calculus
AP® Calculus AB
AP® Calculus BC
AP® Statistics

OTHER COURSES

Italian I, II, III
AP® Italian
Latin I, II, III, IV
Spanish I, II, III, IV, V
Honors Spanish
AP® Spanish
World Religions

SCIENCE CURRICULUM

Biology
Chemistry
College Prep Chemistry
Honors College Prep Chemistry
Anatomy & Physiology
Earth Science I & II
Environmental Science
College Prep Physics
Honors College Prep Physics
AP® Biology
AP® Chemistry
AP® Physics C

