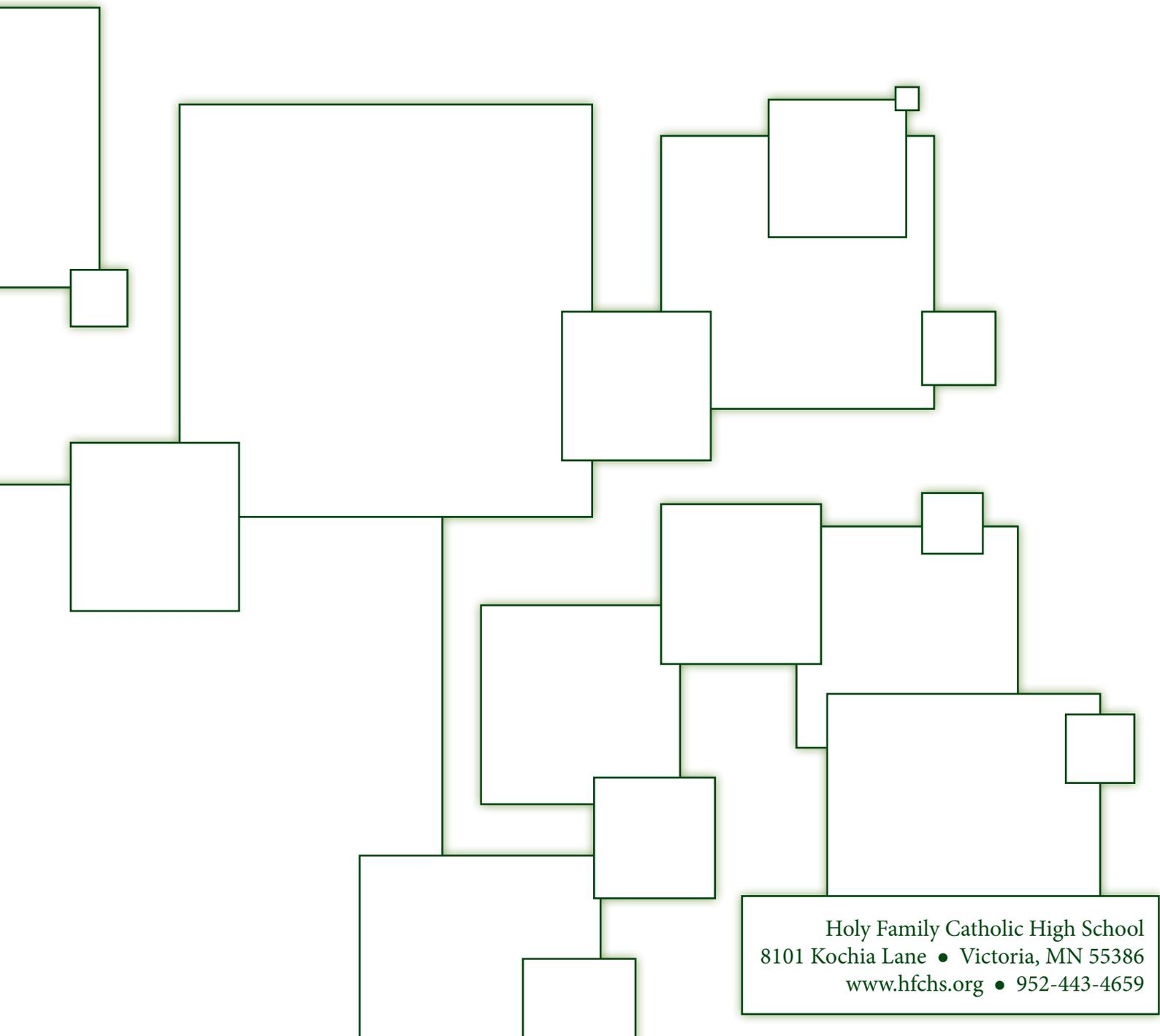


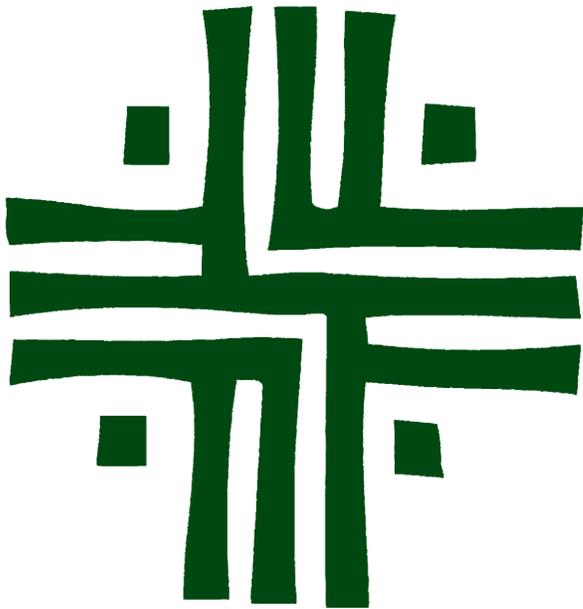


Holy Family Catholic High School

2016-2017 Course Description Book



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 empower and encourage our students to achieve personal excellence, to use their talents to lead, to serve God, one another and the larger community.

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Holy Family Catholic High School Values

- Catholic beliefs, values and tradition are central to the Holy Family Catholic High School experience.
- Holy Family Catholic High School promotes and encourages the core values of faith, integrity, leadership, scholarship and service in our students.
- Holy Family Catholic High School provides excellence in academic programming and teaching.
- Holy Family Catholic High School is a community that treats each person with dignity and respect and recognizes everybody for their unique contributions to our community.
- Holy Family Catholic High School provides opportunities for students to develop as leaders and to embrace an obligation to serve one another and the larger community.
- Holy Family Catholic High School recognizes the importance of the arts and athletics in contributing to personal and spiritual growth and is committed to providing quality curricular, co-curricular and extra-curricular programs.
- All members of the Holy Family Catholic High School community – students, teachers, staff, and administrators – play important roles in creating a caring and safe environment for the attainment of our goals.

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 2 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 3, 2016. 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 (21 required courses for the Class of 2017) 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. Three in Mathematics*(Four credits required beginning with the Class of 2018): Completion of Algebra I, Geometry, and Algebra II required.
7. One-half credit in Health required.
8. One credit in Physical Education: Freshman and sophomore years suggested.
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 requirements.

Theology Curriculum

The Theology Department, in conjunction with Campus Ministry, plays a central role in the school's mission of incorporating Catholic doctrine and tradition with 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.

Leadership is one of the core values of Holy Family Catholic High School and its curriculum; the Theology Department is committed to the school's mission of shaping Christian leaders. It is the department's hope that leadership, informed by Catholic theology, will affect student involvement in Lasallian Youth, Student Council, athletic teams, and all activities (inside and outside of school) in which our students participate.

During senior year, students have five course options to fulfill the two-semester theology requirement: the semester-long classes Prayer and Spirituality, World Religions, Philosophy, Catholic Authors, and Servant Leadership/Campus Ministry. All classes emphasize the study of leadership models and principles, and provide opportunities for seniors to utilize their leadership skills in the context of helping to build the kingdom of God on earth. The Servant Leadership/Campus Ministry class, however, is limited to one to two sections and demands a large time commitment outside of the classroom.

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 semester course is required of all sophomores. Topics to be studied include sacramental awareness, Jesus as the sacrament of God, the Church as the sacrament of Jesus, the seven sacraments of the Catholic Church in their liturgical context, with special attention given to understanding Catholic worship (particularly the Mass) and liturgical practice.

Ecclesiology 11th Grade

.5 credit

This is a required semester course for juniors. What is the Church? What does it mean to be Catholic? This course explores these questions and more by studying the Church's nature and mission in the context of its history and doctrines. Special emphasis will be placed on the significance of the Second Vatican Council and the sacramental nature of the Church with certain lessons and projects integrating the ecclesiology of the Catholic Church in the United States with these classes: United States History and American Literature.

Catholic Social Teaching

11th Grade

.5 credit

This is a semester course required of all juniors. This course calls juniors to become aware of justice issues in our world. Students will examine Church documents and use the principles of Catholic Social Teaching to analyze life issues, prejudice, racism, poverty, homelessness, violence, peace, and environmental concerns. Our faith calls us to respond to these issues and to take action in order to build God's kingdom on earth. Students will be engaged in a service learning project throughout the semester, which will put them in contact with people in need. Through their work, students will be able to practice the "two feet" of Catholic Social Teaching by doing acts of charity and working for social change.

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.

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.

Christian Prayer and Spirituality

12th Grade

.5 credit

Without prayer, a person may know of God, but only through prayer can a person actually know God. How should we pray? Is there more to prayer than what we presently experience? What does it mean to be spiritual? How is spirituality similar to and/or different from religion? Students will explore these and other questions through studying the history and spiritual traditions of Catholic Christianity. Besides regular reading, essays, 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.

Catholic Authors

12th Grade

.5 credit

This semester-long elective will trace the development of Christian literature from the beginning of the Church to the present day. Students will discuss representative texts and excerpts from various periods. Each student will also choose a book or author on which to concentrate.

Servant Leadership/Campus Ministry

12th Grade

.5 Credit

This one-semester course is designed for students who want to put their faith and servant leadership into action. Students will be responsible for preparing and leading prayer experiences for the Holy Family community through convocations, Masses, reconciliation services, and retreats. This

Servant Leadership/Campus Ministry cont.

course includes commitments outside of the regular school day. In addition to Campus Ministry events, students will attend a day of retreat prior to the beginning of class, as well as sessions on Student Assistance Days and Final Exam Days.

English Curriculum

Courses in the English department are designed to:

- Develop each student's reading skills
- Encourage interest in reading as both a research and leisure activity
- Introduce students to a variety of writing styles and authors
- Hone students' listening skills
- Encourage confident and well-organized speakers and writers
- Develop students' analysis and synthesis skills

World Literature/Writing I

9th Grade

1 credit

This is a yearlong 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. **Students are expected to purchase their own vocabulary workbooks from the School Store for 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 be a thing of the past after this course.

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. **Students are expected to purchase their own vocabulary workbooks from the School Store for 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 full year 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. **Students are expected to purchase their own vocabulary workbooks from the School Store for this course.**

American Literature/ Writing III

11th Grade

1 credit

This is a yearlong 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. **Students are expected to purchase their own vocabulary workbooks from the School Store for this 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 have earned less than a "B" in sophomore English.

This challenging 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. **Students are expected to purchase their own vocabulary workbooks from the School Store for this course.**

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 course.

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. 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. **Students are required to purchase their own vocabulary workbooks from the School Store for this 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. **Students are expected to purchase their own vocabulary workbooks from the School Store for this course.**

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 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

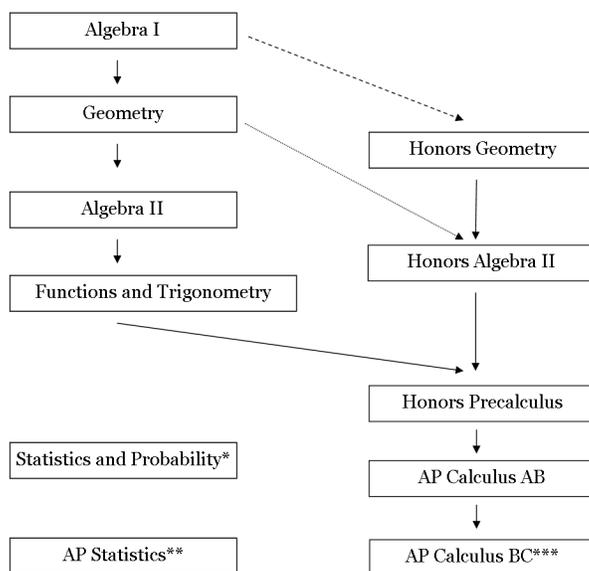
All Grades

.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 of Holy Family Catholic High School serves the needs of all students. This means preparing students for the pursuit of science and math beyond high school as well as developing necessary life skills. Students will be expected to use mathematics as a tool to learn the reasoning skills to look beyond the surface of a situation in order to see the realities and assumptions that lie beneath.



-----> Teacher recommendation required

-----> Teacher recommendation and summer course required

*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

Successful completion of Algebra II and three credits (four credits beginning with class of 2018) of mathematics are required for graduation.

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.

All students will need TI-83+ or TI-84+ graphing calculators. Class of 2020 should only purchase TI-84+ graphing calculators.

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 at Holy Family, Honors Geometry at Holy Family, 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 calculus. The primary topics include: functions, trigonometry (with application and identities), and abstract thinking.

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.

Note: prior to the 2016-2017 year, this year long course was broken into two separate semester long courses Discrete Mathematics and a semester long AP Calculus BC.

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.

Science Curriculum

Coursework within the Science Department is designed to meet the following goals:

- To help students acquire a robust understanding of the content within the particular discipline being studied.
- To help students acquire the processing skills of practicing scientists, including observation, data collection and analysis, formation of data based conclusions, and the mathematical manipulation of data.
- To help students acquire an understanding of how science works – including an awareness of the limits of science.
- To help students acquire an understanding of current issues, especially environmental issues within the particular discipline being studied.

All science students should have a simple scientific calculator.

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.

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, thermochemistry, 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 Chemistry

Through a variety of approaches, students will be prepared to take the Advanced Placement Chemistry test given each spring. **AP Chemistry** is comparative to an introductory college chemistry course. 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.

AP Biology

11th-12th Grades

1 credit

Prerequisites: Successful completion of Biology and Chemistry.

Through varied approaches and activities, students will be prepared to take the Advanced Placement Biology exam in spring. **AP Biology** is a college level course. Therefore, students are expected to have mature academic skills. Lecture content and laboratory work will be challenging. Most labs involve students choosing their own variables to

investigate and designing their own experiments to conduct. Topics include biochemistry, cell processes, molecular biology, genetics, evolution, ecology & energy dynamics, and plant & animal physiology. The class meets for one and a half class periods.

AP Physics C

11th-12th Grade **1 credit**

Prerequisites: Chemistry. Completion of Precalculus is recommended.

AP Physics C is a one-year course focusing on mechanics. The course features many lab investigations and experiments, project work, collaborative learning, deep processing, and exploration of current topics in physics and engineering. This class is comparable to an introductory college physics course for science and engineering majors, and it meets for one and a half periods.

Honors Physics

11th-12th Grade **1 credit**

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

This challenging level of physics is structured to cover key concepts in greater depth and with greater mathematical rigor than in the general physics course. It includes the use of physical, graphical, and mathematical models. As a result, strong algebra skills are required.

Physics

11th-12th Grade **1 credit**

Prerequisites: Chemistry plus a grade of "C" or better in Algebra I

Students learn key concepts of physics; for example, kinematics, Newton's laws, energy, momentum, gravitation, waves, and electricity. 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 willing to work and who meets the prerequisites.

Earth Science 1: Mineralogy

10th-12th Grade **.5 credit**

Prerequisite: Biology and 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.

Earth Science 2: Earth-Shaping Forces

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

Prerequisite: Biology and 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, food and agriculture, energy and atmospheric

science, and biodiversity and conservation. As part of the lab requirements, students will complete a stream ecology study for Carver County. Class discussion is a vital component of this class.

Anatomy and Physiology

11th-12th Grades

.5 credit

Prerequisite: Biology and Chemistry

Through lectures, labs, and activities, students will investigate how the human body functions. This one-semester course will include study of basic cellular

chemistry, cell and tissue structure, and examination of the body systems with focus on homeostasis. Students will also explore comparative anatomy among different species. Laboratory work will be a significant component. Students interested in medical-related fields may find this class particularly useful.

Physical Education: Personal Wellness

One and a half credits of personal wellness are required for graduation and recommended during freshman and sophomore years. Students may take additional credits in this area if their schedules allow. There is flexibility for four-year music students whose schedules may make it impossible to complete the physical education requirements in two semester-long classes. Contact the Dean of Learning Support for more information.

Physical Education/Wellness I for Women

9th-10th Grades

.5 credit

Physical Education/Wellness I for Men

9th-10th 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

10th-12th Grades

.5 credit

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.

Fitness, Conditioning, & Strength for Men

10th-12th Grades

.5 credit

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.*

Personal Wellness (co-educational)

10th-12th Grades .5 credit

Prerequisite: Physical Education/Wellness I

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.

Health

10th -12th Grades .5 credit

Prerequisite: Physical Education/Wellness I

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 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

Prerequisite: Physical Education/Wellness I

This hybrid option of Health is completed online 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 purpose of social studies education at Holy Family Catholic High School is to prepare students to be participating citizens of society, able to make critical judgments and informed decisions both as voters and as servants of the common good in all endeavors.

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 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 Government and Politics

10th – 12th Grade 1 credit

Advanced Placement Government and Politics is a yearlong college-level course designed to give students a detailed and analytical perspective on government and politics in the United States in addition to covering all the major characteristics and operations of it. In this class, 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 Government and**

Politics 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.

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.

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.

AP Human Geography

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.

Sociology

11th-12th Grades

.5 credit

Sociology is an elective, semester course for mature students. Students will examine the fundamental rules of human societies, including how they create and sustain themselves, how they change, and how social values produce a society's institutions. The course will also include a sociological examination of the modern United States.

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.

Technology Education

The philosophy of the Computer Science Department is to prepare students to function capably and ethically in a highly technological and, therefore, ever-changing society. Emphasis is on fundamental principals 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.

Introductory Keyboarding

All Grades .5 credit

This course is designed for students who do not know how to type or cannot type without looking at their fingers. Emphasis is on learning the keyboard, correct spacing, and punctuation techniques, plus being introduced to the function keys and commands using the latest version of Microsoft Word. Computer operating techniques, skill development, basic formatting of reports, personal correspondence, and proofreading skills will be introduced. The keyboarding goal will be to attain the minimum speed of 30 words per minute with 5 or fewer errors in 2-minute timings.

Advanced Keyboarding

All Grades .5 credit

Prerequisite: Keyboarding or 30 WPM.

This course is designed for students who can type a minimum of 30 words per minute without looking at their fingers. Emphasis will be on improving speed and accuracy. Advanced formatting of reports requiring title pages, bibliographies, footnotes, etc., will be covered along with more complex merge and table projects. Advanced formatting of business and personal correspondence and memorandums is also covered.

Computer Applications

All Grades .5 credit

This course is designed for students to acquire the knowledge of how to use the latest software versions of Microsoft Word, Microsoft Excel, Microsoft Access, and Microsoft Publisher and Office 365. The course is project-based and students will have the opportunity not only to complete course assignments but apply their knowledge and skills to assignments from their other Holy Family Catholic High School classes.

Computer Applications II

All Grades .5 credit

Prerequisite: Computer Applications

The material covered in this semester course will enhance the topics and software covered in **Computer Applications**. It is an in-depth coverage of Microsoft Word, Microsoft Excel, Microsoft PowerPoint and Office 365. The course is project-based, many of which will be completed using the internet.

Publication Design

10th-12th Grades .5 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.

Photography II /Digitally Enhanced

All Grades .5 credit

Prerequisite: Photography I or permission of instructor.

Students must provide their own digital cameras, not phones (5 Megapixel or more and pen/flash drive (2GB or better). Cameras must have USB cables or removable memory cards and instruction manuals.

Description continued on next page.

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, which meets daily in the computer lab, may be taken for a Fine Arts half-credit by selecting this class under "Fine Arts."

Video Production I

All Grades **.5 credit**

Students in this 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. 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 course may be taken for fine art or technology credit. Identify preference on the 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 course may be taken for fine art or technology credit. Identify preference on the class registration form.

Technology Studies

All Grades **.5 credit**

Prerequisite: Algebra I at HF 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, webpage, 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**.

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

10th – 12th 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.

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 ecofriendly.

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.

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.

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.

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.

Photography I

All Grades **.5 credit**

Requirements: Students must provide their own digital cameras (5 Megapixel or more). Cameras must have USB cables or removable memory cards and instruction manuals.

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 Megapixel 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

a technology half-credit by selecting the class in the “Technology” course list.

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 course may be taken as a fine art (728) or technology (628) 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.

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.

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.

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

The **Chorus** is the beginning vocal ensemble at Holy Family. All freshmen and nearly all sophomores who wish to participate in vocal music must register for **Chorus**. This is a preparatory group whose primary focus is on the development of important musical skills. The ensemble meets daily opposite lunch and explores solfege-based sight-reading, ear training, music theory concepts, proper vocal technique/ tone production, music vocabulary, quality choral literature, and professional performance practices. Membership in the **Chorus** for at least one academic year is a prerequisite for membership in the **Camerata** or the **Chorale**. The **Chorus** performs at least two formal concerts each year and, occasionally, joins the **Camerata** and/or the **Chorale** for other performances. This is a year-long course.

Camerata

10th-12th Grades

1 credit

Prerequisite: Chorus or equivalent

The **Camerata** is a women's choir consisting mostly of sophomores but which is also open to juniors and seniors. Members of the **Camerata** must have completed at least one year in **Chorus** (or the equivalent). This auditioned ensemble performs a varied choral repertoire from all major styles and

historical eras composed for female voices. The **Camerata** rehearses daily for a full period and typically performs 4-6 times each year, both at school and in the community. Students work to prepare quality choral repertoire and continue to develop the skills learned in the **Chorus**. Participation in the Solo-Ensemble Festival is highly encouraged for members of **Camerata**. This is a year-long course.

Chorale

10th-12th Grades

1 credit

Prerequisite: Chorus and audition.

The **Chorale** is the most advanced choral ensemble at Holy Family and typically consists of 30-40 sophomore, junior, and senior voices. Members of the **Chorale** must have completed at least one year in **Chorus** or the equivalent. The **Chorale** rehearses daily for a full class period and focuses on challenging SATB repertoire from all major styles and historical eras, with a particular emphasis on great choral masterworks and/or music of great European and American composers. A great deal of emphasis is placed on the development of a healthy vocal technique and the mastery of a rich and mature choral tone. This auditioned ensemble maintains a very active schedule with performances at choral festivals, regional Catholic grade schools, liturgies, school concerts, and other venues. Participation in the Solo-Ensemble Festival and All-State Choir auditions is highly encouraged for members of the **Chorale**. This is a year-long course.

Voices of Fire

All Grades

1 credit

Prerequisite: Concurrent enrollment in Chorus, Camerata, or Chorale and audition.

Voices of Fire is an 8-10 member vocal jazz group and is the most select vocal ensemble at Holy Family. It is both curricular and extracurricular, in that the group meets daily opposite lunch and also meets for a 90-minute rehearsal each week after school, in the evening, or on weekends. The group works with a standard jazz rhythm section (piano, bass, and drums) and is available to perform for civic and church groups, community organizations, etc., upon request. *Voices of Fire* also performs at regular school concerts and routinely travels to

vocal jazz festivals and workshops. Members are chosen by strict audition. Any member of **Camerata** or **Chorale** may audition. An excellent musical ear and accurate intonation are essential for membership in this ensemble. This is a year-long course.

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. Students develop these skills with the help of the textbook series, oral and written exercises, and class presentations. Students will learn an extensive vocabulary along with present tense of Spanish verbs. They will also gain awareness of cultures in Spanish-speaking countries.

Spanish II
All Grades **1 credit**

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

The second year of Spanish will continue to develop students' listening, speaking, reading, and writing skills. Students will learn the preterite, imperfect, and present perfect verb tenses. They will also learn how to compose compositions in Spanish and give presentations to the class in the target language. This course also continues to provide cultural information about Spanish-speaking countries.

Spanish III
All Grades **1 credit**

Prerequisite: Spanish II

Spanish III is for those students who have shown above average interest in and/or ability with learning the language. Emphasis is directed toward reading and conversing in Spanish; however, students will still practice listening and writing. Units will include a great deal of cultural information including literature, art, history, etc. They will also include topics for discussion. Students will continue to review parts of Spanish grammar in each unit.

Honors Spanish III
All Grades **1 credit**

Prerequisite: Spanish II and consent of instructor

Honors Spanish III is designed for students with a demonstrated aptitude in the language which enables them to progress at a faster pace and at a high level of comprehension. The class will prepare students for the Advanced Placement program and for future

studies of the language at the college level. Course content is more detailed than it is at the regular level of **Spanish III**. It includes advanced listening, writing, reading, and speaking activities. An emphasis is placed upon improving oral communication skills. *Written instructor approval required.*

Spanish IV
All Grades **1 credit**

Prerequisite: Spanish III and consent of instructor

This course will include an intense review of grammar points taught in **Spanish I, II, and III**. Advanced conversation and composition are important aspects of the class. Students will be able to explore career possibilities available to people fluent in a second language.

Spanish V **1 credit**

Prerequisite: Spanish IV and advice of instructor

Spanish V is an option for the student who has entered Holy Family with advanced language skills and moves through the program at an accelerated rate that necessitates another level of skill acquisition. This will be a more personalized class designed to strengthen written and oral skills.

AP Spanish Language & Culture
All Grades **1 credit**

Prerequisite: Spanish III and advice of instructor

Advanced Placement Spanish meets the standards of a college level language course. Students may elect this course with the approval of the instructor anytime after taking **Spanish III**. Students who pass the AP exam in spring may earn accelerated placement in college and/or college credit.

Latin I
All grades **1 credit**

Latin I will concentrate on reading comprehension of basic Latin and the cultural background of Roman civilization. The students will strengthen their understanding of English grammar and vocabulary as they develop their skills in Latin translation. Students will learn about Roman contributions to Western civilization through class presentations.

Latin II
All Grades **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.

Italian I
All Grades **1 credit**

Italian I will introduce basic listening, speaking, reading, and writing skills. Students will acquire vocabulary through the study of popular Italian culture. They will develop an ability to communicate in common situations through grammar study and daily conversation practice.

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

Italian II will continue to build on basic listening, speaking, reading, and writing skills. Students will develop their writing skills through compositions. There will be daily interactive activities in order to work toward fluency and learn about modern Italian culture.

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

Italian III will review and strengthen listening, speaking, reading, and writing skills. The main objectives of this course will be fluent conversations and reading. Students will learn about Italian culture through readings and class discussions. Students will also review important grammar points covered in previous levels.

AP Italian Language and Culture
All Grades **1 credit**
Prerequisite: Italian III

Advanced Placement Italian meets the standards of a college level course. Students and the instructor at this level will speak almost exclusively in Italian. Students will immerse themselves in Italian language and culture through the use of modern texts, media, and the classics of Italian literature in an interactive classroom environment. Students who pass the AP exam in spring may earn accelerated placement in their college and/or college credit.