

Kennedy Catholic Family of Schools
Kennedy Catholic High School
Kennedy Catholic Middle School
Grades 7-12



Program of Studies
2020-2021

Kennedy Catholic Middle and High School
2120 Shenango Valley Freeway
Hermitage, PA 16148
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<https://www.kennedycatholicschools.org>

Course Levels

- **Advanced Placement (AP)**
Advanced Placement courses are formatted off the syllabus created by the *CollegeBoard*. Advanced Placement courses are considered a college level course. Teachers are expected to base the course off the guidelines and instructions of the *CollegeBoard*. At the end of the course students have the opportunity to take the AP Exam. Students may receive college credit for his or her score on the AP Exams. Receiving college credit is unique for each college/university and is at the discretion of the college/university.
- **Honors Courses (HN)**
These classes are designed for the academically gifted, high-above-average and very highly motivated student. Admission to honors and advanced placement courses are by invitation based on standardized testing, performance and recommendation of the department. Advanced placement courses have been approved by the national Advanced Placement program and participating students will have the opportunity to qualify for college credit.
- **College Preparatory Courses (CP)**
The college preparatory level is for the strong-average to above-average student. It is designed to challenge and prepare the student for admission to and success in college. It is a well-rounded liberal arts education on the secondary level.

Grading

Grades are calculated using a weighted scale that reflects the difficulty of each course. The weighted values are:

- Advanced Placement (AP): x1.05
- Honors (HN): x1.03
- College Preparatory (CP): x1.00

*Academic Weighing Scale available on page 28

**Weight not applied to middle school courses

A	100 – 94.50	A+ / A- 98 / 94
B	94.49 – 84.50	B+ / B- 91 / 85
C	84.49 – 71.50	C+ / C- 82 / 72
D	71.49 – 64.50	D+ / D- 71 / 65
F	64.49 and below	

Graduation Requirements

Students are required to earn a minimum of 28 credits for graduation.

Students must earn at least 7 credits per school year to advance to the next grade.

Required Courses:

English - 4 credits

Mathematics - 4 credits

Science - 4 credits

Social Studies - 4 credits

Theology - 4 credits

World Language - 2 credits (3-4 strongly encouraged)

Physical Education - 1 credit

Other Required Courses and Electives - 5 Credits

Suggested Course Outline:

	Freshman	Sophomore	Junior	Senior
<i>Theology</i>	Theology 9	Theology 10	Theology 11	Theology 12 HN Western Traditions
<i>English</i>	CP English 9 HN English 9	CP English 10 HN English 10	CP English 11 HN English 11 AP English 11	CP English 12 HN English 12 AP English 12
<i>Social Studies</i>	CP World History	CP American History I	CP American History II AP U.S. History	CP Government AP Psychology
<i>Science</i>	CP Biology HN Biology	CP Chemistry HN Chemistry	CP Environmental Science CP Forensics HN Physics HN Anat./Physiology AP Biology AP Chemistry	CP Environmental Science CP Forensics HN Anat./Physiology HN Organic Chemistry AP Biology AP Chemistry AP Physics
<i>Mathematics</i>	CP Algebra I CP Algebra II HN Algebra II	CP Algebra II HN Algebra II CP Geometry HN Geometry	CP Geometry CP Algebra II HN Algebra II CP Algebra III HN Precalculus HN Statistic	CP Algebra III CP Consumer Math HN Precalculus HN Statistics AP Calculus AB
<i>Language</i>	CP French I CP Spanish I	CP French II CP Spanish II	HN French III HN Spanish III	HN French IV HN Spanish IV
<i>Electives</i>	Freshman Phys. Ed. Freshman Cycle			Physical Education

<i>Other Electives</i>			
Freshman	Sophomore	Junior	Senior
Broadcast Journalism	Broadcast Journalism	Broadcast Journalism	Broadcast Journalism
Chorus	Chorus	Chorus	Chorus
Concert Band	Concert Band	Concert Band	Concert Band
Engineering: Design	Engineering: Design	Engineering: Design	Engineering: Design
Engineering: Programming	Engineering: Programming	Engineering: Programming	Engineering: Programming
Business Rotation	Business Rotation	AP Computer Science A	AP Computer Science A
Art	Art	Business Rotation	Business Rotation
Publications	Publications	Art	Art
		Publications	Publications
Business Law (19-20)/Sales and Marketing (20-21)/ General Business (21-22)		CP Psychology	CP Psychology Humanities

<i>Middle School Schedule Courses</i>	
7th Grade	8th Grades
Us History 7	World History 8
English 7	English 8
Reading 7	Reading 8
Life Science 7	Physical Science 8
Theology 7	Theology 8
Math 7 - PreAlgebra/HN PreAlgebra	Math 8 - Algebra 1/HN Algebra 1
Physical Education and Health	Physical Education
Technology 7	Intro to World Language (Spanish and French)
Art 7	Art 8
Academic Studies/Newspaper/Band/Choir	PJAS (PA Junior Academy of Science)
	Academic Studies/Newspaper/Band/Choir

Course Offerings:

ENGLISH DEPARTMENT

CP English 9

Level: Freshman

Prerequisites: None

Summer Reading: Will be assigned as required

Course Rationale and Description: Students will be instructed in grammar, literature, and writing.

Grammar – sentence elements, punctuation mechanics and usage, capitalization, diagramming

Literature – introduction to literary genres including Shakespeare, novels

Writing – sentence structure, development of topic sentence and paragraphs, essay (descriptive, creative, and expository), research paper, MLA format

Course Number: ENG100

Credits: 1 **Weight:** 1.00

HN English 9

Level: Freshman

Prerequisites: 8th grade English grade/exam scores; teacher recommendation

Summer Reading: Will be assigned as required

Course Rationale and Description: Students will be instructed in grammar, literature, and writing.

Grammar – sentence elements, punctuation mechanics and usage, capitalization, diagramming

Literature – introduction to literary genres including Shakespeare, novels

Writing – development of topic sentences and paragraphs, essays (descriptive, creative, and expository), research paper, MLA format

Course Number: ENG101

Credits: 1 **Weight:** 1.03

CP English 10

Level: Sophomore

Prerequisites: English 9

Summer Reading: Will be assigned as required

Course Rationale and Description: This course is designed to upgrade and supplement 9th-grade study of genres: short stories, nonfiction, drama (including one Shakespeare play), novels and poetry. Vocabulary is studied in 20-word units with emphasis on vocabulary for SAT and ACT (meanings, spelling, and usage). Students practice writing in various forms using correct format, spelling, punctuation and grammar. Worksheets and interactive lessons reinforce grammar and reading comprehension. A research paper (MLA format) and oral presentations are required.

Course Number: ENG200

Credits: 1 **Weight:** 1.00

HN English 10

Level: Sophomore

Prerequisites: English 9

Summer Reading: Will be assigned as required

Course Rationale and Description: This course is designed to upgrade and supplement 9th-grade study of genres: short stories, nonfiction, drama (including one Shakespeare play), novels and poetry. Honors English challenges students beyond the usual course of study, requiring in-depth interpretive reading, additional and more lengthy reading selections, a three-unit vocabulary grouping of 20 words each, and additional writing assignments, projects, and oral presentations. The Honors student is expected to write with correct grammar, spelling and punctuation and to write a more detailed research paper.

Course Number: ENG201

Credits: 1 **Weight:** 1.03

CP English 11

Level: Junior

Prerequisites: English 9 and 10

Summer Reading: Will be assigned as required

Course Rationale and Description: This course is designed to give students an understanding of the chronological development of American Literature from the Native Americans to modern times. Prominent American authors and significant documents of American history are studied for understanding and interpretation. Career shadowing is required for primary sources for paper, which is written in MLA format. Periodic writing assignments require correct grammar, spelling, and format. Independent reading of novels requires interpretive skills. Fifteen vocabulary units (20 words per unit).

Course Number: ENG300

Credits: 1 **Weight:** 1.00

HN English 11

Level: Junior

Prerequisites: English 9 and 10

Summer Reading: Will be assigned as required

Course Rationale and Description: This class is more rigorous than the CP level, requiring more in-depth reading and complex writing assignments. Students are expected to understand the development of American Literature from the writings of the Native Americans to writings of modern authors. Students are expected to understand and interpret complex texts and write competently in classes across the curriculum. Students will write in a variety of forms (expository, persuasive, etc.) with correct grammar, spelling, punctuation and appropriate vocabulary. Students are required to do research (including career shadowing) and write a research paper in MLA format.

Course Number: ENG301

Credits: 1 **Weight:** 1.03

AP English 11 (AP English Language and Composition)

Level: Junior

Prerequisites: English 9 and Honors English 10 or special permission and instructor approval

Summer Reading: Will be assigned as required

Course Rationale and Description: The AP class is more demanding and rigorous than Honors; its controlling purpose is to enable students to read complex texts with understanding and to write effectively and competently in all courses across the curriculum, as well as their personal and professional lives. Students are required to write regularly in a variety of forms (descriptive, expository, etc.) with correct grammar, spelling, punctuation and mature vocabulary. Students will write a research paper on a chosen career using MLA format.

Course Number: ENG500

Credits: 1 **Weight:** 1.05

CP English 12

Level: Senior

Prerequisites: English 9, 10, and 11

Summer Reading: Will be assigned as required

Course Rationale and Description: Students will be instructed in grammar, literature, and writing.
Grammar – mechanics reviewed in conjunction with compositions
Literature – study of the development of British literature, along with excerpts from French, German, Italian and Spanish literature, four novels and two Shakespeare plays
Writing – research paper, MLA format and college/SAT writing

Course Number: ENG400

Credits: 1 **Weight:** 1.00

HN English 12

Level: Senior

Prerequisites: English 9 and 10, AP or HN English 11

Summer Reading: Will be assigned as required

Course Rationale and Description: Students will be instructed in grammar, literature, and writing.

Grammar – elements of style rather than basic elements taught in conjunction with writing

Literature – literary works of every genre read and analyzed with emphasis on literary criticism; British and World literature

Writing – themes about literature concerned with the analytical process in literary interpretation, argumentative research paper, MLA format, writing journals for weekly directed essays

Course Number: ENG401

Credits: 1 **Weight:** 1.03

AP English 12 (AP English Literature and Composition)

Level: Senior

Prerequisites: English 9 and 10, HN/AP English 11 or special permission and instructor approval

Summer Reading: Will be assigned as required

Course Rationale and Description: Students will be instructed in grammar, literature, and writing.

Instructor signature is required for placement in this course.

Grammar – elements of style rather than basic elements taught in conjunction with writing

Literature – literary works of every genre read and analyzed with emphasis on literary criticism; British and World literature

Writing – themes about literature concerned with the analytical process in literary interpretation, argumentative research paper, MLA format, writing journals for weekly directed essays

Course Number: ENG501

Credits: 1 **Weight:** 1.05

MATHEMATICS DEPARTMENT

CP Algebra 1

Level: Freshman

Prerequisites: None

Course Rationale and Description: This course lays the foundation for all higher math studies. It prepares students to solve problems in Science and Physics. Vocabulary, equations and problem-solving are areas of focus. The course employs a step-by-step approach that enables students to gain the basic knowledge needed to transition to higher-level math classes.

Course Number: ALG100

Credits: 1 **Weight:** 1.00

CP Algebra II

Level: Freshman - Sophomore

Prerequisites: CP Algebra I

Course Rationale and Description: This course is designed to build on algebraic and geometric concepts. It develops advanced algebra skills such as inequalities, graphing linear equations, systems of equations, polynomials, quadratics and radical expressions. Course content is important for students' success on both the ACT and SAT.

Course Number: ALG200

Credits: 1 **Weight:** 1.00

HN Algebra II

Level: Freshman - Junior

Prerequisites: Grade of A or B in CP Algebra I

Course Rationale and Description: Problem-solving is emphasized throughout this course. Applications are presented early with interesting and varied word problems. Reasoning skills such as analyzing information, making conjectures and giving convincing arguments are developed. The course is designed to make Algebra accessible as a tool to a wide range of students, without sacrificing complete content and challenge for competent students.

Course Number: ALG201

Credits: 1 **Weight:** 1.03

CP Geometry

Level: Sophomore - Junior

Prerequisites: CP Algebra I and CP Algebra II

Course Rationale and Description: This course is the study inductive/deductive reasoning and elements of plane geometry, including: lines, angles, triangles, circles, volume, area.

Course Number: GEO300

Credits: 1 **Weight:** 1.00

HN Geometry

Level: Sophomore - Junior

Prerequisites: HN Algebra II

Course Rationale and Description: This course is an in-depth study inductive/deductive reasoning and elements of plane geometry, including: lines, angles, triangles, circles, volume, area. Proof completion enhances students' ability to think logically

Course Number: GEO301

Credits: 1 **Weight:** 1.03

CP Algebra III

Level: Junior - Senior

Prerequisites: CP Algebra I, CP Algebra II, CP Geometry

Course Rationale and Description: A thorough review of topics covered in Algebra II with an emphasis on fundamental skills and repetition and building confidence in students' math skills. All topics covered in a standard Algebra II course are presented and built upon. The second semester is an introduction to base definitions and applications of trigonometry. The right triangle will be discussed and students will solve trigonometric equations, graph trig functions, and work with fundamental identities.

Course Number: ALG300

Credits: 1 **Weight:** 1.00

HN Pre-Calculus

Level: Junior - Senior

Prerequisites: Grade of A or B in HN Algebra II and HN Geometry

Course Rationale and Description: In-depth use of algebra concepts applied to utilizing trigonometric functions and their properties to find sides, angles, areas and heights of triangles. Also, Applying these concepts to real-life situations. Concepts such as logarithms, exponentials and limits lead into Calculus.

Course Number: PCL100

Credits: 1 **Weight:** 1.03

CP Consumer/Business Math

Level: Senior

Prerequisites: Senior Status; completion of 3 math courses

Course Rationale and Description: Applying mathematics to real world concepts such as taxes, business, and finance.

Course Number: MTH400

Credits: 1 **Weight:** 1.00

HN Statistics

Level: Junior - Senior

Prerequisites: CP Algebra III, HN Pre-Calculus, or HN/AP Calculus

Course Rationale and Description: This course teaches methods of descriptive and inferential statistics. Topics include data collection and description, hypothesis testing, correlation and regression, the analysis of variance, and contingency tables (chi square).

Course Number: MTH401

Credits: 1 **Weight:** 1.03

AP Calculus AB

Level: Junior - Senior

Prerequisites: Grade of A or B in HN Pre-Calculus and instructor approval

Course Rationale and Description: This course takes a step-by-step approach to calculus, beginning with a review of the fundamental concepts of college algebra, extending through differential and integral calculus. The course utilizes an extensive number of illustrated problems involving applications to real-life situations. This course is faster-paced and more in-depth than HN Calculus. Students will be eligible to take the AP Calculus exam.

Course Number: CLC500

Credits: 1 **Weight:** 1.05

SCIENCE DEPARTMENT

CP Biology

Level: Freshman

Prerequisites: None

Course Rationale and Description: This course will develop a solid foundation in biology and an understanding of basic scientific principles and laboratory methods.

Course Number: BIO100

Credits: 1 **Weight:** 1.00

HN Biology

Level: Freshman

Prerequisites: None

Course Rationale and Description: This course will develop a solid foundation in biology and an understanding of basic scientific principles and laboratory methods.

Course Number: BIO101

Credits: 1 **Weight:** 1.03

CP Chemistry

Level: Sophomore

Prerequisites: Biology

Course Rationale and Description: This course will study the structures of atoms, how their arrangement on the periodic table determines the interaction and the results of specific chemical reactions. Students will be introduced to nuclear, electrical, and organic chemistry. A specific laboratory notebook (~\$20) is required.

Course Number: CHM200

Credits: 1 **Weight:** 1.00

HN Chemistry

Level: Sophomore

Prerequisites: Biology, instructor approval

Course Rationale and Description: This course will study the structures of atoms, how their arrangement on the periodic table determines the interaction and the results of specific chemical reactions. Students will be introduced to nuclear, electrical, and organic chemistry. A specific laboratory notebook (~\$20) is required.

Course Number: CHM201

Credits: 1 **Weight:** 1.03

HN Organic Chemistry

Level: Senior

Prerequisites: Biology, Chemistry, AP Chemistry, instructor approval

Course Rationale and Description: The organic chemistry course is designed to be a year long introduction to the subject for students planning to pursue future studies in Chemistry, Biology, Medicine or related fields. This course involved an in-depth study of fundamental concepts that will be studied in further great detail in college level courses. A specific laboratory notebook (~\$20) is required.

Course Number: CHM202

Credits: 1 **Weight:** 1.03

CP Environmental Science

Level: Junior and Senior

Prerequisites: Biology & Chemistry

Course Rationale and Description: This course will develop a solid foundation in environmental sciences including ecology and meteorology while building upon a growing understanding of basic scientific principles and laboratory methods.

Course Number: ENS100

Credits: 1 **Weight:** 1.00

HN Physics

Level: Junior and Seniors

Prerequisites: Biology, Chemistry, and instructor approval

Course Rationale and Description: This course studies the fundamental laws of nature on which all science is based. It is designed to enable students to appreciate the role of physics in today's society and technology. Physics is the study of matter and its motion through space and time, along with related concepts such as energy and force. Introductory course covers classical mechanics.

Course Number: PHY300

Credits: 1 **Weight:** 1.03

AP Physics II w/ Lab

Level: Senior

Prerequisites: HN Physics and instructor approval

Course Rationale and Description: This course is equivalent to most college-level introductory physics courses. It focuses on the following topics: Fluid Statics and Dynamics, Thermodynamics, PV diagrams and probability, Electrostatics, Electrical Circuits with capacitors, Magnetic fields and forces, Electromagnetism, Physical and Geometrical Optics, and other topics in modern physics today. Students are encouraged to take the AP Physics Exam in May. To take this course, the student must be registered by July 1st with their name, phone number, and email address given to the instructor by email from the school administrator. Students must agree to attend one required summer meeting in June, date to be determined in May so students can schedule accordingly. No make-up meetings will be offered.

Course Number: PHY500

Credits: 1.5 **Weight:** 1.05

AP Biology w/ Lab

Level: Junior, Senior

Prerequisites: Biology and Chemistry, instructor approval; Anatomy/Physiology Recommended

Summer Assignments: See Instructor

Course Rationale and Description: The AP Biology course is a college level course that parallels the initial college course for a Biology major. Biochemistry, cell structure and function, genetics (Mendelian and molecular,) energetic along with photosynthesis and respiration are emphasized in the course sequence. The course will examine the processes of evolution that drive the diversity and unity of life as well as the information, energy, and molecular building blocks that operates biological systems. Experiments are coordinated with lectures to reinforce basic theory, and are structured around the four big idea science practices also delineated in the AP Biology curriculum framework provided by the College Board. There will be summer coursework with deadlines. Students are strongly encouraged to take the College Board AP Biology Exam in May. A specific laboratory notebook (~\$20) is required.

To take this course, the student must be registered for the class by July 1st with their name, phone number, and email address given to the instructor by email from the school administration. Students must agree to attend one required summer meeting in June, date to be established in May so students can schedule accordingly. No make-up meetings will be offered.

Course Number: BIO500

Credits: 1.5 **Weight:** 1.05

AP Chemistry w/ Lab

Level: Junior, Senior

Course Number: CHM500

Credits: 1.5 **Weight:** 1.05

Prerequisites: Biology, Chemistry, complete a “B” or higher in Algebra II, and instructor approval.

Summer Assignments: See Instructor

Course Rationale and Description: This AP Chemistry course is a second year course equivalent to a first-year college level general chemistry course. It is structured around the six big ideas detailed in the AP Chemistry curriculum framework provided by the College Board. Fundamental principles presented in first year chemistry are reviewed and applied to more complex problems. More advanced topics are also presented including: chemical kinetics, chemical equilibrium, thermodynamics, electro-chemistry, nuclear chemistry, and an introduction to organic chemistry. Laboratory exercises emphasize qualitative/quantitative analysis and are intended to develop proficiency in classical techniques and critical observation. Experiments are coordinated with lectures to reinforce basic theory, and are structured around the seven science practices also delineated in the AP Chemistry curriculum framework provided by the College Board. There will be summer coursework with deadlines. Students are strongly encouraged to take the College Board AP Chemistry Exam in May. A specific laboratory notebook (~\$20) is required.

To take this course, the student must be registered for the class by July 1st with their name, phone number, and email address given to the instructor by email from the school administration. Students must agree to attend one required summer meeting in June, date to be established in May so students can schedule accordingly. No make-up meetings will be offered.

HN Human Anatomy/Physiology

Level: Junior or Senior

Course Number: ANP300

Credits: 1 **Weight:** 1.03

Prerequisites: Biology, Chemistry, and instructor approval.

Course Rationale and Description: This course is designed for students interested in pursuing a medically-related career. This accelerated course focuses on the biochemistry of cellular processes, as well as the functions of body cells and tissues. The course takes a systems approach to studying physiology and pathology of the body systems. Students will learn the functions and dysfunctions of the human body by studying structures and processes at a variety of levels including molecular, cellular, tissue, organ and organ system. Dissection will be a required part of this course.

CP Forensics

Level: Sophomore, Junior, Senior

Course Number: FOR300

Credits: 1 **Weight:** 1.00

Prerequisites: Biology

Course Rationale and Description: Forensic Science is a course designed to introduce the student to practical applications of chemistry, physics, psychology, earth science, and biology in the study of forensics. This course will provide students with an introduction to the theoretical understanding and practical application of forensic science techniques from the crime scene investigation to the laboratory and courtroom. The culmination of the course will include the analysis of a mock crime scene.

SOCIAL STUDIES DEPARTMENT

CP World History

Level: Freshman

Prerequisites: None

Course Rationale and Description: This course studies the development of civilization in Europe from 1500 to present. Topics include Revolutions in Europe and America, World War I, World War II, The Great Depressions, and the Cold War.

Course Number: HIS100

Credits: 1 **Weight:** 1.00

CP American History I

Level: Sophomore

Prerequisites: None

Course Rationale and Description: This course will introduce students to Prehistoric America to 1877 ending with the post-Civil War Reconstruction. Students will use primary sources to determine how historic events transpired.

Course Number: HIS200

Credits: 1 **Weight:** 1.00

CP American History II

Level: Juniors

Prerequisites: CP American History I

Course Rationale and Description: This course will introduce students to the time period of American History that has come to define our modern political and social era. From the end of World War II and the ensuing Cold War, up to our present-day history in the years of the War on Terror after September 11th. Along the way, students will consider important movements that define who we are, notably those involving Women's and Civil Rights for all Americans. Through examining great successes and tragedies, students will better understand their own role in America's unfolding narrative.

Course Number: HIS300

Credits: 1 **Weight:** 1.00

AP U.S. History

Level: Junior

Prerequisites: Instructor approval

Summer Assignments: Historical Period 1 Readings and Evidence-Based Essay Assignment

Course Rationale and Description: This course will take students along the entirety of the history of the United States, from pre-Columbian native societies to the present day. The course will prepare students for the spring AP exam by examining content and skills vital to historians at the early collegiate level. Students will analyze the themes proposed by the College Board in order to evaluate the links between historical time periods spanning the entirety of American history.

Course Number: HIS500

Credits: 1 **Weight:** 1.05

CP American Government

Level: Senior

Prerequisites: None

Course Rationale and Description: This course is a practical study of the features and functions of U.S. government and political systems. All levels of government will be studied in order to familiarize students with their rights and responsibilities as citizens. Students will be able to evaluate the purpose and role of each component of the system of government in America.

Course Number: HIS400

Credits: 1 **Weight:** 1.00

AP Psychology

Level: Senior

Prerequisites: Instructor Approval

Summer Assignments: See Instructor

Course Number: PSY500

Credits: 1 **Weight:** 1.05

Course Rationale and Description: The AP Psychology course introduces students to the systematic and scientific study of human behavior and mental processes. While considering the psychologists and studies that have shaped the field, students explore and apply psychological theories, key concepts, and phenomena associated with such topics as the biological bases of behavior, sensation and perception, learning and cognition, motivation, developmental psychology, testing and individual differences, treatment of abnormal behavior, and social psychology. Throughout the course, students employ psychological research methods, including ethical considerations, as they use the scientific method, analyze bias, evaluate claims and evidence, and effectively communicate ideas.

THEOLOGY DEPARTMENT

Theology 9- Intro to Scripture and Christology

Level: Freshman

Prerequisites: None

Course Rationale and Description: This course offers an introductory, in-depth study of Sacred Scripture and the person of Jesus Christ. It explores the meaning, compositions, genres, and importance of biblical manuscripts and texts, beginning with the Old Testament and the course of salvation history, which begins in Genesis. This course also focuses on the history of covenant relationships in the Old Testament between God and Israel. The course then ends with the New Testament and a delicate analysis of the Paschal Mystery, paying special attention to the identity of Jesus Christ in the Holy Trinity and the duality of His human and divine nature.

Course Number: THE100

Credits: 1 **Weight:** 1.00

Theology 10-Introduction to Moral Theology

Level: Sophomore

Prerequisites: None

Course Rationale and Description: This course offers an introduction to traditional Catholic moral teaching. From the intrinsic dignity of the human person to the Ten commandments, God's commandments, and living a life of virtue. This course is divided into 2 distinctive semesters. The first semester the students will be using the *Theology of the Body for teens, discovering God's plan for love and life*. The second semester the students will use the text *Christian Morality, Our Response to God's Love, Living in Christ*. The instructor will encourage conversation and discussion among peers with the intention to foster a well formed conscience and sense of morality.

Course Number: THE200

Credits: 1 **Weight:** 1.00

Theology 11-Sacramental Theology & Ecclesiology

Level: Junior

Prerequisites: None

Course Rationale and Description: This course offers a detailed study of the Sacraments and the role of the Church in Christian practice, starting right after the Ascension of Jesus Christ. The class explores the meaning and practice of the Sacraments, focusing on the depth of each and its correlations to Jesus' life and lessons in the New Testament. The course also explores the Mass and additional rituals that are fundamental to Christian life, while studying their parallels in the Bible. Additionally, this course follows and examines historical origins and development of these aforementioned practices.

Course Number: THE300

Credits: 1 **Weight:** 1.00

Theology 12-Social Teaching

Level: Senior

Prerequisites: None

Course Rationale and Description: Catholic Social Teaching, Learning and Living Justice. This course offers a comprehensive look into the social teaching and action of the Catholic Church. Students will be called to recognize and name some of the injustice in our midst. They will also discover how our Catholic faith and tradition allows one to identify some causes of injustice within communities. The text is primer on Catholic social justice, an essential and central part of our Catholic faith and life.

Course Number: THE400

Credits: 1 **Weight:** 1.00

HN Western Traditions

Level: Junior or Senior

Prerequisites: None

Course Number: THE401

Credits: 1 **Weight:** 1.03

Course Rationale and Description: The Philosophical Journey, An Interactive Approach. This course offers an interactive approach into the Philosophical influence on Western Traditions. The students will explore the great western thinkers and disciplines of traditions and culture. It offers a steady introduction of philosophy, both in terms of major philosophers and the activity of doing philosophy, by covering the major periods of philosophy in history (ancient, medieval, modern and post-modern.) By examining major texts and connecting ideas and systems of thought, the course provides an insightful and sophisticated look at the meaning of nature, life, knowledge, politics, and other universally important realities.

WORLD LANGUAGES DEPARTMENT

CP French I

Level: Freshman

Prerequisites: None

Course Rationale and Description: Students will begin to develop the ability to speak, listen, read, and write in French. Spoken French will involve using short sentences containing learned words, phrases, and basic grammatical structures. Additionally, students will be able to comprehend the language when it is spoken in short, simple phrases and sentences supported by visual cues/gestures. Similarities and differences between French and American cultures will be highlighted, along with a basic comprehension of French geography.

Course Number: FRN100

Credits: 1 **Weight:** 1.00

CP French II

Level: Sophomore

Prerequisites: CP French I

Course Rationale and Description: Students will continue to develop the ability to speak, listen, read, and write in French. Materials from French I will be reviewed and will provide a foundation for the continuation of their study of French grammar and vocabulary. In addition to studying the language, students will take part in more in-depth lessons of French/Francophone cultures and geography.

Course Number: FRN200

Credits: 1 **Weight:** 1.00

HN French III

Level: Junior

Prerequisites: CP French I & II and instructor approval

Course Rationale and Description: Students will continue to develop the ability to speak, listen, read, and write in French. Students will be able to participate in simple conversational situations, write simple messages, read authentic texts, and understand the main ideas when listening to conversations dealing with familiar topics or themes. Students will continue their study of French/Francophone cultures, geography, and history.

Course Number: FRN300

Credits: 1 **Weight:** 1.03

HN French IV

Level: Senior

Prerequisites: CP French I & II, HN French III and instructor approval

Course Rationale and Description: Students will continue to develop their French language skills. Students will be expected to participate in more complex conversational situations and become more creative and spontaneous in their usage of the language. Students will participate in individual studies of areas of French/Francophone cultures. Additionally, students will continue to develop their ability to read and comprehend original French texts.

Course Number: FRN400

Credits: 1 **Weight:** 1.03

CP Spanish I

Level: Freshman

Prerequisites: None

Course Rationale and Description: Students will begin to develop their Spanish accent, build vocabulary, and utilize verbs in the present tense. Basic Spanish expressions will be used in the classroom setting. The students will be reading and writing in Spanish to internalize the language. Students will also get a taste of the Spanish culture.

Course Number: SPN100

Credits: 1 **Weight:** 1.00

CP Spanish II

Level: Sophomore

Prerequisites: CP Spanish I

Course Rationale and Description: Students will strengthen their fundamental Spanish skills in speaking, listening, reading, and writing. Students' vocabulary will continue to be enhanced. Verb usage will move from the present tense to the preterite tense. Students will manipulate the language by writing and speaking with greater frequency. Cultural awareness will become more prominent.

Course Number: SPN200

Credits: 1 **Weight:** 1.00

HN Spanish III

Level: Junior

Prerequisites: CP Spanish I & II and instructor approval

Course Rationale and Description: Students will continue to extend their Spanish skills. Students will incorporate communication, culture, and comparison components. Reading and writing in the Spanish language will become more diverse. Vocabulary will be further enhanced along with greater verb tense usage in order to cultivate Spanish fluency and dialog

Course Number: SPN300

Credits: 1 **Weight:** 1.03

HN Spanish IV

Level: Senior

Prerequisites: CP Spanish I & II, HN Spanish III and instructor approval

Course Rationale and Description: Students will further expand all their Spanish skills. The students will integrate culture, communication, comparisons, connections, and communities into their Spanish repertoire. Verb usage will be varied from the present tense to the subjunctive mood. Vocabulary and verb usage will be demonstrated both in oral and written dialog. Reading in Spanish will demonstrate fluency, comprehension, and cultural awareness.

Course Number: SPN400

Credits: 1 **Weight:** 1.03

ADDITIONAL REQUIRED COURSES

Freshmen Cycle

Level: Freshmen

Prerequisites: None

Courses:

- Public Speaking

Course Number: PBS100 **Credits:** 0.25

Course Rationale and Description: This class is a practical course designed to offer students a number of opportunities to organize and prepare public speaking assignments. Students are required to research, prepare, and present one speech per quarter.

- Academic Skills

Course Number: ACS100 **Credits:** 0.25

Course Rationale and Description: This course will cover effective study skills such as: time management, note taking, effective reading and oral presentation. The students will use Chromebooks to create presentations that will be presented to the class in conjunction with Public Speaking.

- Freshman Physical Education

Course Number: PE100 **Credits:** 0.25

Course Rationale and Description: Students will participate in monthly sport units including: Soccer, Flag Football, Team Handball, Basketball, Hockey Dance, Aerobics and Weights, Volleyball, Table Tennis, Badminton, Pickle-ball, Baseball, and Kickball. They will also have a monthly emphasis on a fitness skill, such as September is distance running with assessments on completing a mile run under 12 minutes. Then we will have skill testing in agility, flexibility, speed, sit-ups, push-ups and vertical jump. The purpose of physical education is to gain the ability for your heart, blood vessels, lungs and muscles to all work together to meet your body's needs. Also to execute a higher level of skill than you possessed previously and to understand the rules of the various sports and games while demonstrating appropriate sportsmanship.

- Health Education

Course Number: HPE100 **Credits:** 0.25

Course Rationale and Description: Students will cover: Making Healthy Choices, Self-Esteem and Managing Stress, Mental Disorders and Suicide, Building Healthy Relationships, Violence Prevention, Food and Nutrition, Making Healthy Food Choices, Body Systems, Personal Hygiene, Exercise Importance, Alcohol, Drug and Tobacco Prevention, Reproduction and Heredity, Diseases, Healthy Environment, First Aid and CPR. The purpose of health is to provide a comprehensive program of wellness, safety, disease prevention, and healthy choices while students demonstrate knowledge of healthy skills by deciding to act responsibly and take control of their health and wellness.

Physical Education

Level: Seniors

Prerequisites: None

Course Number: PE101

Credits: 0.25 **Weight:** 1.00

Course Rationale and Description: Students will participate in activities and sport units including Soccer, Flag Football, Team Handball, Basketball, Hockey, Dance, Step Aerobics and Weights, Volleyball, Table Tennis Badminton, Pickleball, Baseball and Kickball. Students will also cover fitness skills such as the mile run for cardiovascular fitness, agility skills, flexibility testing, sit-ups, push-ups, vertical jump, speed work, and pull-ups. Other lifetime sports such as Cornhole, Kan Jam, Frisbee golf, and Ultimate Frisbee will be introduced. The purpose of physical education is to improve the ability for your heart, blood vessels, lungs and muscles to work together to meet your body's needs throughout your life. To execute a higher level of fitness

than you possessed previously in school and to understand ways to remain physically active throughout your life. To demonstrate knowledge of lifetime sports that can be played throughout life with limited athletic abilities.

ELECTIVES

Broadcast Journalism

Level: Freshman – Senior

Prerequisites: Preferable but not limited to experience with video editing and storyboarding

Course Rationale and Description: The study of broadcast media, writing and editing news scripts, video editing, camera operations, and news production. Prepares students to produce the Kennedy News. Class topics include broadcast style writing while conforming to ethical principles, current news and media literate, branding, editing news stories and reporting techniques, Final Cut Software, and operating video cameras.

Course Number: VID101

Credits: 0.5/1 **Weight:** 1.00

Concert Band

Level: Freshman – Senior

Prerequisites: None

Course Rationale and Description: This course meets three days per week all year and focuses on the teaching of music. Students will explore a variety of music styles including jazz, classical and marches. Students will learn how to play the instrument of their choice.

Course Number: MUS100

Credits: 0.5/1 **Weight:** 1.00

Chorus

Level: Freshman – Senior

Prerequisites: None

Course Rationale and Description: This course meets twice per week all year and provides students with the opportunity to develop their theoretical and vocal musical skills. Students will explore choral literature from many different genres and time periods, all the while strengthening their music theory skills and musical literacy.

Course Number: MUS101

Credits: .05 **Weight:** 1.00

Humanities

Level: Senior

Prerequisites: None

Course Rationale and Description: Humanities is the study of Human Culture; students will explore various forms of human expression and communication. They will be given the opportunity to express problems, evaluate solutions and discuss social and economic factors. Students will also gain the knowledge and understanding of diverse historical and cultural artwork, artists, and movements through time. Other topics include Art History, aesthetic structures, social/moral issues, and cultural values and traditions.

Course Number: HMT100

Credits: 0.5/1 **Weight:** 1.00

Business Rotation

Level: Freshman – Senior

Prerequisites: None

Course Rationale and Description: Classes offered in a rotation every three years. The courses include Business Law, Sales and Marketing, and General Business.

Course Number: BUS100-102

Credits: 1 **Weight:** 1.00

Engineering: Design

Level: Freshmen - Senior

Prerequisites: None

Course Rationale and Description: This course provides an in-depth exploration of solid modeling using two different professional level computer software; SolidWorks and SpaceClaim. Along with an introduction to the Engineering Design Process the students get hands-on experience of working collaboratively inside an Engineering classroom. Students learn the basics of accurately sketching in 2-D and transforming and designing the sketch into an accurate representation of the 3-D object. The students turn their new 3-D design into real-life 3-D printed object from the MakerBot replicator out of plastic filament. The course is designed to motivate and inspire students into a possible Engineering-focused career path.

Course Number: ROB100

Credits: 1 **Weight:** 1.00

Engineering: Programming

Level: Freshman-Senior

Prerequisites: None

Course Rationale and Description: Through the Amazon Future Engineering grant the students are utilizing the Python programming language. The students are mastering the language through a rigorous Edhesive set curriculum. Students learn through a self-motivated curriculum that enhances and challenges their abilities to code in a variety of ways. The students produce successful Algorithms, calculations, and design programs (such as; games, chat bots, etc.). This course is designed to motivate and inspire students into a possible Computer Science or Engineering-focused career path.

Course Number: ROB101

Credits: 1 **Weight:** 1.00

AP Computer Science A (Java)

Level: Junior, Senior

Prerequisites: Pre-Calculus (current), Algebra 2, or Engineer 2: Programming

Course Rationale and Description: Through the Amazon Future Engineering grant the students are utilizing the JAVA programming language. The students are mastering the language through a rigorous Edhesive set curriculum. Students learn through a self-motivated curriculum that enhances and challenges their abilities to code in a variety of ways. The students produce successful Algorithms, calculations, and design programs (such as; games, chat bots, etc.). This course will conclude with an in-depth AP examination that will determine whether or not the student will receive college credits for the course. This course is designed to motivate and inspire students into a possible Computer Science or Engineering-focused career path. Students are encouraged to take the AP Exam in May.

Course Number: COM500

Credits: 1 **Weight:** 1.05

Art

Level: Freshman – Senior

Prerequisites: None

Course Rationale and Description: This course is designed to give students a background in mixed media. Students will work with pencil, paint, pastels, air-dried clay and crafting material. Students will apply the elements and principles of design to produce creative projects which reflect their understanding of each concept. Projects include portrait drawing, watercolor and acrylic painting, advertising art, clay work, and crafts.

Course Number: ART100

Credits: 0.5/1 **Weight:** 1.00

CP Psychology

Level: Junior, Senior

Prerequisites: None

Course Rationale and Description: This course introduces students to the study of psychology. The course will follow the development of psychology from its beginnings in ancient Greece to the way it is practiced today. Psychology will be explored as an empirical science. Students will learn how the many schools of psychology have merged and explore some of the traditional areas in the study of psychology.

Course Number: PSY101

Credits: 1 **Weight:** 1.00

Publications

Level: Freshman – Senior

Prerequisites: Instructor approval

Course Rationale and Description: The students in this course are responsible for the creation and publication of the school yearbook, *Aquila* and the high school newspaper, *The Eagle Eye*. Topics include design and layout, photography, photo editing, journalistic writing, and marking. There is limited space in this course, a teacher signature is required.

Course Number: PUB100

Credits: 0.5/1 **Weight:** 1.00

Courses listed in this catalog are subject to change based on student interest and availability.