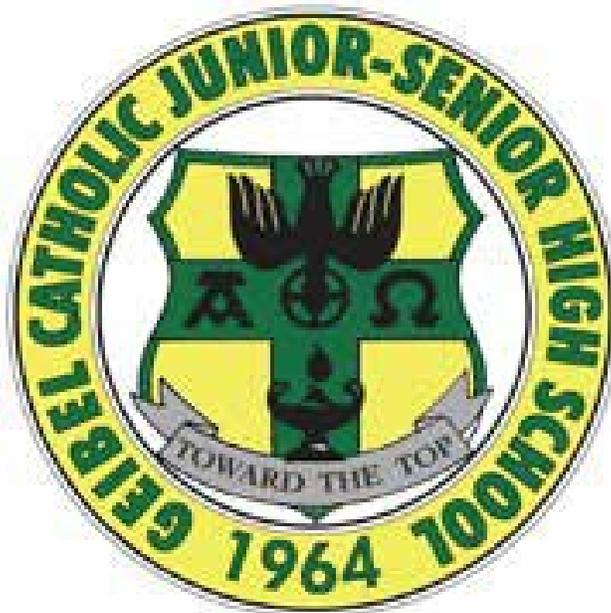


Geibel Catholic Junior-Senior High School



Program of Studies 2022-2023

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College in High School Courses

The College in High School (CHS) program is an Articulation Agreement for Dual Enrollment. The Office for Catholic Schools has initiated discussions with local Catholic universities and colleges to form articulation agreements between our Catholic high schools and local Catholic universities and colleges. The purpose of forming these articulation agreements is to provide a means to bring our vision “Forming for Life” to fruition.

As part of this vision, it is our desire to provide a seamless offering of Catholic school education, pre-kindergarten through post-secondary. By forming these articulations with our local Catholic post-secondary institutions, we hope to provide an opportunity to our Catholic youth to experience their formation in the Catholic faith into their adulthood.

College in High School courses are currently offered through:

Mount Aloysius College

Saint Vincent College

Seton Hill University

Current course offerings are:

Religion

World Religions

Seton Hill University

English

Honors Composition and Rhetoric

Seton Hill University

Honors Principal of Literature

Seton Hill University

Mathematics

College Calculus I

Mount Aloysius, Saint Vincent College, Seton Hill University

College Calculus II

Saint Vincent College

Probability and Statistics

Seton Hill University

Science

Honors Chemistry II

Mount Aloysius

Anatomy and Physiology

Mount Aloysius

Physics

Saint Vincent College

Social Studies

Honors American History

Seton Hill University

Foreign Language

French IV	Saint Vincent College
Survey of French Literature	Saint Vincent College
Honors Survey of French Literature	Seton Hill University
Spanish IV	Saint Vincent College
Survey of Spanish Literature	Seton Hill University and Saint Vincent College

Fine Arts

Honors 2-D Art	Saint Vincent College
Honors 3-D Art	Saint Vincent College and Mount Aloysius
Music Theory I and II	Saint Vincent College

English Language Arts Course Descriptions

Grade Level	Course Name	Course Number	Credits Earned	Course Weight
7	English Language Arts 7	G2017	0	Level I

English Language Arts 7 is an all-encompassing course, emphasizing analyses of the following literary genres: short stories, poems, informational texts, novels, and dramatic works. This course also emphasizes the development of students' writing skills. Utilizing varied genres from literature, novels, and informational nonfiction sources, students work to develop their analytical skills. Special emphasis is placed on writing at a higher level using appropriate organization and developing cohesive and meaningful written responses and on refining skills -- prewriting, drafting, editing, and revising -- essential to the writing process. Students write in various genres, including persuasive/argumentative, expository/informative, narrative, and research. Embedded in the curriculum, vocabulary, spelling, and grammar development also continues. Students work both in groups and individually to enhance their teaming and learning experiences.

Grade Level	Course Name	Course Number	Credits Earned	Course Weight
8	English Language Arts 8	G2018	0	Level I

English Language Arts 8 is an all-encompassing course that includes literature, grammar, and writing. In literature, students will explore the following genres: short stories, poems, informational texts, novels, and drama. In grammar, students will continue to use all eight major parts of speech (nouns, pronouns, verbs, adjectives, adverbs, prepositions, and conjunctions) as well as correctly use the four types of sentences declarative, interrogative, imperative, and exclamatory). Students will incorporate these grammar skills across the subject areas. Writing, language, comprehension, and vocabulary skills will continue to be developed in this course. Speaking & Listening skills are incorporated throughout all subjects in grades 6-8.

Grade Level	Course Name	Course Number	Credits Earned	Course Weight
9	Foundations of World Literature	G2030	1	High School I

Foundations of World Literature emphasizes the study and analysis of literature, including the novel, short story, drama, poetry, and literary nonfiction. Students will strengthen their ability to write in expository, argumentative, and creative styles while also developing the skills necessary to write research papers. Grammar is reviewed to strengthen and enhance students' English and language arts skills.

English Language Arts Course Descriptions

Grade Level	Course Name	Course Number	Credits Earned	Course Weight
9	Honors Foundations of World Literature	G2035	1	High School II

Honors Foundations of World Literature will require consistent effort and a mature approach to challenge. Honors Foundations of World Literature students will work more independently and demonstrate a deeper understanding of world literature concepts. Students enrolled for this class should be self-motivated and willing to engage in critical and analytical thinking.

Honors Foundations of World Literature is the first in a series of advanced English classes. This Honors course is designed for those who excel in reading comprehension, analysis, and composition. The critical analysis of literature, including the novel, short story, drama, poetry, and composition, is an integral component of the course. Students also compose organized and meaningful pieces of formal writing (expository, persuasive, descriptive, and creative essays). Throughout the course, students improve and refine vocabulary and grammar skills to strengthen speaking and writing skills.

Grade Level	Course Name	Course Number	Credits Earned	Course Weight
10	World Literature	G2040	1	High School I

This course is designed as a progression from Foundations of World Literature. Critical analyses of short stories, novels, drama, poetry, and literary nonfiction are integral components of the course. Students compose clear, concise, organized, and effective writing in response to various prompts. Students will analyze various genres of literature for purpose, meaning, and method of construction. Effective communication will be demonstrated in several different literary forms by improving and refining vocabulary and grammar skills. Compare and contrast the effectiveness of various literary forms through analyses of representative works will broaden understanding of the research and writing process from the planning stages to the finished product. Students will assess how (and explain why) authors employ specific literary techniques.

English Language Arts Course Descriptions

Grade Level	Course Name	Course Number	Credits Earned	Course Weight
10	Honors World Literature	G2045	1	High School II

Honors World Literature will require consistent effort and a mature approach to challenge. Honors World Literature students will work more independently and demonstrate a deeper understanding of world literature concepts. Students enrolled for this class should be self-motivated and willing to engage in critical and analytical thinking.

A continuation of Honors Foundations of World Literature, this honors course is designed for sophomores who have demonstrated superior language skills. Critical analyses of various forms of literature, expository writing, the MLA college research paper, and the study of vocabulary and organization are integral parts of the course. Students compose clear, concise, organized, and effective formal essays in response to various prompts; analyze various genres of literature (e.g. short story, novel, drama, poem) for purpose, meaning, and method of construction; communicate effectively in any of a number of different literary forms; improve and refine vocabulary and grammar skills; understand and analyze literature from various time periods of human history (e.g. Elizabethan drama, the modern/postmodern novel); compare and contrast the effectiveness of various literary forms through analysis of representative works; broaden understanding of the research and writing process from the planning stages to the finished product; identify how (and explain why) authors employ numerous specific literary techniques. In this course, students engage in all aspects of research writing (gathering information, documenting sources, organizing ideas according to levels of specificity, drafting a manuscript, editing, and revising a manuscript, and publishing a final draft of a manuscript) in the production of an MLA research paper.

Grade Level	Course Name	Course Number	Credits Earned	Course Weight
11	American Literature	G2050	1	High School I

American Literature is a yearlong course that is a survey of American literature complementing the students' study of American history during the junior year. The course includes selections from the Colonial Period, the Neoclassical Age, nineteenth-century Romanticism, Nationalism, Transcendentalism, Realism, twentieth-century Modernism, and Post Modernism. Special emphasis is placed on the literary history of the United States as the religious, cultural, and political influences are explored through representative selections of prose and poetry. Sundry literary genres that include historical narratives, short stories, essays, themes, poetry, novels, and dramas are read and analyzed. The expression of personal interpretation, criticism, and insight is encouraged in writing as well as through classroom discussion. The course also addresses the need for students to refine and enhance their skills in grammar and SAT vocabulary. Competency and experience in expository, creative, and persuasive writing are requisites for the course; students are introduced to research materials and methods that adhere to the MLA standards of presentation and documentation.

English Language Arts Course Descriptions

Grade Level	Course Name	Course Number	Credits Earned	Course Weight
11/12	CHS – Composition and Rhetoric	G2098	1	High School III

Honors Composition and Rhetoric will require consistent effort and a mature approach to challenge. Honors Composition and Rhetoric students will work more independently and demonstrate a deeper understanding of effective writing concepts. Students enrolled for this class should be self-motivated and willing to engage in critical and analytical thinking.

In the nine-month course, the student will be exposed to basic composition theory that will be complicated as the course develops and as the assigned essays become more complex in nature. This foundational theory will be concretized through the student’s application of it in the student’s writing a series of essays, during which the student will receive direction both in the instructor’s classroom lecture and activities as well as in the instructor’s conferencing and directing each student with specialized instruction in order to better facilitate not only the individual student’s particular composition but also the individual student’s overall development in academic writing by addressing her/his particular weaknesses and strengths in reasoning and composition. As noted, the writing process requires extensive revision. Thus, the student will learn and will apply specific revision techniques that are appropriate for each kind of essay being revised in terms of The Six Principles of Good Writing, with special emphasis on organization, style, and sentence-level issues. The student will systematically revise each essay both before and after submission of the essay.

College in High School course through Seton Hill University.

Grade Level	Course Name	Course Number	Credits Earned	Course Weight
12	Foundations of Western Literature	G2065	1	High School I

Foundations of Western Literature is designed as the culmination of the high school English curricula. Critical analyses of short stories, novels, drama, poetry, and literary nonfiction are integral components of the course. Students compose clear, concise, organized, and effective writing in response to various prompts; analyze various genres of literature for purpose, meaning, and method of construction; communicate effectively in any of a number of different literary forms; improve and refine vocabulary and grammar skills; compare and contrast the effectiveness of various literary forms through analyses of representative works; broaden understanding of the research and writing process from the planning stages to the finished product; and assess how (and explain why) authors employ numerous specific literary techniques. In this course, students engage in all aspects of research writing (gathering information, documenting sources, organizing ideas according to levels of specificity, drafting a manuscript, editing and revising a manuscript, and publishing a final draft of a manuscript) in the production of an MLA research paper. Upon completion of this course, students will possess the levels of mastery necessary for success at the undergraduate college level.

English Language Arts Course Descriptions

Grade Level	Course Name	Course Number	Credits Earned	Course Weight
12	CHS – Principles of Literature	G2097	1	High School III

Introduction to reading, research, grammar, and writing in the study of literature. Emphasis on literary forms, research tools, and the vocabulary of literary study. Practice in writing the literary essay. This course will introduce the three different varieties of the English major: creative writing, new media journalism, and literature. Coursework will include reading poetry, short fiction, drama, and one novel; critiquing peer drafts; maintaining an online journal; short papers in each of these three areas, a fourth short paper in any area of English, and a researched essay.

College in High School course through Seton Hill University.

Grade Level	Course Name	Course Number	Credits Earned	Course Weight
10/11/12	Communications and Publications	G2060	1	High School I

Through a study of yearbook theory, including typography, photographic special effects, and page layout, the students in this class study and learn responsibility for publication of the yearbook, *Geibel Galaxy*. Students will have extensive exposure to the program Yearbook Avenue provided by Jostens Publishing Company. Students are also in charge of the morning news program, “Good Morning, Geibel.” Additionally, students will use publishing and media skills to produce newsletters.

Fine Arts Course Descriptions

Grade Level	Course Name	Course Number	Credits Earned	Course Weight
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7/8	Junior High Art	G3008	0	Level I
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The Diocese of Greensburg junior high art curriculum encourages middle school students to embrace the influences of the creative world around them. In the second year this two-year curriculum builds off knowledge from seventh grade and works on more challenging projects. Students embrace the influences of the creative world around them. Students, based on the NCCAS Visual Standards, visualize concepts, express themselves, internalize standards, and work toward establishing their artistic identity. Students utilize a variety of art media to create two- and three-dimensional art works while building an appreciation for, and drawing inspiration from, many cultures and the Catholic faith.

Grade Level	Course Name	Course Number	Credits Earned	Course Weight
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9	Introduction to Art	G3010	0.5	High School I
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The Diocese of Greensburg Art Curriculum is a semester-long art class encourages high school freshman to embrace the influences of the creative world around them. Students, based on the NCCAS Visual Standards, will visualize concepts, express themselves, internalize standards, and work toward establishing their artistic identity. Students will utilize a variety of art media to create two- and three-dimensional art works while building an appreciation for, and drawing inspiration from, many cultures and the Catholic faith.

Grade Level	Course Name	Course Number	Credits Earned	Course Weight
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10/11/12	2-D Art	G3020	1	High School I
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2-D Art encourages high school students to embrace the influences of the creative world around them. Students, based on the NCCAS Visual Standards, who enjoy drawing will improve skills, for beginner or accomplished student. Student begins with basic drawing skills and explores a variety of drawing mediums. Students cover landscape, portrait, still life, and abstract drawing. Students learn to “see” more artistically and become more observant through practice.

Fine Arts Course Descriptions

Grade Level	Course Name	Course Number	Credits Earned	Course Weight
11/12	CHS – Honors 2-D Art	G3040	1	High School III

Honors 2-D Art will require consistent effort and a mature approach to challenge. Honors 2-D Art students will work more independently and demonstrate a deeper understanding of drawing techniques and styles. Students enrolled for this class should be self-motivated and willing to engage in critical and analytical thinking.

This course will explore the elements of two-dimensional design. The student will use a variety of materials in both theoretical and practical uses. Topics will include composition, color, and visual communication. The history and function of design will also be examined. 2-D Art encourages high school students to embrace the influences of the creative world around them. Students, based on the NCCAS Visual Standards, who enjoy drawing will improve skills, for beginner or accomplished student. Student begins with basic drawing skills and explores a variety of drawing mediums. Students cover landscape, portrait, still life, and abstract drawing. Students learn to “see” more artistically and become more observant through practice. No prerequisites.

College in High School course through Saint Vincent College.

Grade Level	Course Name	Course Number	Credits Earned	Course Weight
10/11/12	3-D Art	G3030	1	High School I

This course emphasizes developing manual skills and conceptual functions in order to present a unified, well-crafted three-dimensional design. The ability to generate original solutions to design problems will require basic drawing skills, creative thinking, and artistic exploration of possible approaches. This introduction to the basic visual elements through critical analysis as well as the physical manipulation of a variety of art medias will also use demonstrations, study well-known works/artists, art history, and commonplace 3-D designs to illustrate the role of 3D design.

Fine Arts Course Descriptions

Grade Level	Course Name	Course Number	Credits Earned	Course Weight
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11/12	CHS – Honors 3-D Art	G3050	1	High School III
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Honors 3-D Art will require consistent effort and a mature approach to challenge. Honors 3-D Art students will work more independently and demonstrate a deeper understanding of design concepts. Students enrolled for this class should be self-motivated and willing to engage in creative, critical, and analytical thinking.

What is good design? How does the shape of something contribute to how well it works, or how willing we are to use it? This introductory course will consider shape as a dynamic quality. Positive and negative form, surface, and the way something feels will be considered as components of a good design. Assignments will involve forming, fabrication, and joining of various materials. This course emphasizes developing manual skills and conceptual functions in order to present a unified, well-crafted three-dimensional design. The ability to generate original solutions to design problems will require basic drawing skills, creative thinking and artistic exploration of possible approaches. This introduction to the basic visual elements through critical analysis as well as the physical manipulation of a variety of art medias will also use demonstrations, study well known works/artists, art history, and commonplace 3-D designs to illustrate the role of 3D design. No prerequisites.

College in High School course through Saint Vincent College and Mt. Aloysius College.

Grade Level	Course Name	Course Number	Credits Earned	Course Weight
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7/8	Junior High Music	G3508	0	Level I
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A junior high student in the Diocese of Greensburg will continue to have opportunities to create and respond to music through movement, listening, instrumental experiences and participation in school liturgies. Students will expand their music vocabulary and broaden their understanding of cultural diversity. A deeper understanding of music notation and pitched instruments will be experienced. Connections are made between music, the arts, and other academic areas.

Grade Level	Course Name	Course Number	Credits Earned	Course Weight
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9	Introduction to Music	G3060	0.5	High School I
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This semester course offers students in the Diocese of Greensburg the opportunity to create and respond to music through movement, listening, and instrumental experiences. Students will expand their music vocabulary and broaden their understanding of cultural diversity. Students reflect on the impact of social influences and historical events in music. Connections are made between visual and performing arts and other academic areas.

Fine Arts Course Descriptions

Grade Level	Course Name	Course Number	Credits Earned	Course Weight
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11/12	CHS – Music Theory I & II	G3077	1	High School III
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This course consists of a thorough and unified presentation of music principles such as notation, intervals, scales, chords, rhythms and simple piano familiarization. Through interactive classroom and board work, the student will acquire a firm foundation for the study of harmony and all other music courses that follow. Although it is the first music theory course required for all music majors and minors, no prior musical training or knowledge is required so it is equally appropriate for the general student who wishes to gain a basic working knowledge of the fundamentals of music.

College in High School course through Saint Vincent College.

Grade Level	Course Name	Course Number	Credits Earned	Course Weight
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9-12	Chamber Ensemble	G3086	1	High School I
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This year-long course offers ninth through twelfth grade students in the Diocese of Greensburg the opportunity to enhance musical, creative, and expressive qualities. Through ensemble singing, students will explore challenging choral literature, develop vocal technique, broaden listening skills, and improve musicianship. They will build music literacy and learn advanced sight-reading skills. The topics in this class will provide a firm basis for the continuation of life-long appreciation of and participation in music.

Grade Level	Course Name	Course Number	Credits Earned	Course Weight
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11/12	Theater Arts	G3080	1	High School I
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In this course, the student is provided with hands on introduction to acting, directing, script analysis, playwriting, design, and criticism. The primary objective of this course is to provide introductory skills and techniques and place the student in the creative process of those artists engaged in creating theatre to stimulate the student's own theatrical imagination. Students discover the creative, collaborative nature of theatre by working with exercises that consistently simulate the creative work of theatre. This course demands a highly interactive team playing commitment.

Grade Level	Course Name	Course Number	Credits Earned	Course Weight
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12	Film Analysis	G3082	1	High School I
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Film Analysis will focus on the art of cinema from past to present. Students will view, discuss, critique, and write about selected films to understand the primary elements of the movie. Films are chosen from a variety of types including dramas; comedies; thrillers; musicals; and classics. Students will also learn the art of film production, as well as, direct and star in their own film for a final project.

Mathematics Course Descriptions

Grade Level	Course Name	Course Number	Credits Earned	Course Weight
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7/8	Pre-Algebra	G5010	0	Level I
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The Diocese of Greensburg Pre-Algebra curriculum is designed to introduce students to algebraic concepts. This course will reinforce the use of mathematical operations with fractions, decimals, and integers. Pre-Algebra will also introduce students to the fundamental concepts of algebra. This course will help the student to apply these skills to a variety of problems and practical situations.

Grade Level	Course Name	Course Number	Credits Earned	Course Weight
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7/8/9	Algebra I	G5020	1	High School I
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The Diocese of Greensburg Algebra I curriculum is designed to have students build on the previous concepts of variables, equations, and problem-solving skills in order to succeed in advanced courses. Topics include Operations with Integers, Factoring Polynomials, Ratios and Proportions, Linear Equations and Inequalities, Functions, Polynomials, Algebraic Fractions, Exponents, Nonlinear Equations, Coordinate Plane, Radicals, and Area/Perimeter formulas. The course is aligned to the NCTM and State Standards in order to prepare the students for college and career readiness.

Prerequisite: Pre-Algebra

Grade Level	Course Name	Course Number	Credits Earned	Course Weight
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7/8/9	Honors Algebra I	G5025	1	High School II
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Honors Algebra I will require consistent effort and a mature approach to challenge. Honors Algebra I students will work more independently and demonstrate a deeper understanding of algebraic concepts. Students enrolled for this class should be self-motivated and willing to engage in critical and analytical thinking.

The Diocese of Greensburg Algebra I curriculum is designed to have students build on the previous concepts of variables, equations, and problem-solving skills in order to succeed in advanced courses. Topics include Operations with Integers, Factoring Polynomials, Ratios and Proportions, Linear Equations and Inequalities, Functions, Polynomials, Algebraic Fractions, Exponents, Nonlinear Equations, Coordinate Plane, Radicals, and Area/Perimeter formulas. The course is aligned to the NCTM and State Standards in order to prepare the students for college and career readiness.

Prerequisite: Pre-Algebra and teacher recommendation

Mathematics Course Descriptions

Grade Level	Course Name	Course Number	Credits Earned	Course Weight
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8/9/10	Geometry	G5030	1	High School I
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The Diocese of Greensburg Geometry curriculum explores the intricacies of geometry beginning with the foundations of Geometry: points, lines, and planes. Students then move into logic-based proofs going through and using properties of shapes in real life instances. Students learn about logic through inductive and deductive reasoning and geometric proofs. Other topics include parallel and perpendicular lines, congruent triangles, triangle relationships, polygons, similarity, right triangle trigonometry, area, surface area, volume, transformations, circles, and constructions. The course is aligned to the NCTM and State Standards in order to prepare the students for college and career readiness.

Prerequisite: Algebra I

Grade Level	Course Name	Course Number	Credits Earned	Course Weight
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8/9/10	Honors Geometry	G5035	1	High School II
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Honors Geometry will require consistent effort and a mature approach to challenge. Honors Geometry students will work more independently and demonstrate a deeper understanding of geometric concepts. Students enrolled for this class should be self-motivated and willing to engage in critical and analytical thinking.

The Diocese of Greensburg Honors Geometry curriculum explores the intricacies of geometry beginning with the foundations of Geometry: points, lines, and planes. Students will learn about logic through reasoning and geometric proofs. Other topics include parallel and perpendicular lines, congruent triangles, relationships in triangles, polygons, similarity, right triangle trigonometry, area, surface area, volume, transformations, circles, and constructions. The course is aligned to the NCTM and State Standards in order to prepare the students for college and career readiness.

Prerequisite: Algebra I and teacher recommendation

Grade Level	Course Name	Course Number	Credits Earned	Course Weight
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9/10/11	Algebra II	G5040	1	High School I
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The Diocese of Greensburg Algebra II curriculum is aligned to the NCTM and State Standards. Algebra II will build upon the concepts taught in Algebra I. The course develops advanced algebra skills. Topics include, but are not limited to, matrices, solutions of equations/inequalities, quadratics, conic sections, polynomials and polynomial functions, radical functions and rational exponents, exponential and logarithmic functions, sequences and series, probability, statistics and trigonometry. The content of this course is important for students' success in mathematics and to prepare the students for college and career readiness. Students will reason abstractly and quantitatively, will construct viable arguments, critique reasoning of others, and will use the appropriate tools of mathematics strategically.

Prerequisite: Algebra I

Mathematics Course Descriptions

Grade Level	Course Name	Course Number	Credits Earned	Course Weight
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9/10/11	Honors Algebra II	G5045	1	High School II
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Honors Algebra II students will require consistent effort and a mature approach to challenge. They will work more independently and demonstrate a deeper understanding of geometric concepts. Students enrolled for this class should be self-motivated and willing to engage in critical and analytical thinking.

The Diocese of Greensburg Honors Algebra II curriculum is aligned to the NCTM and State Standards. Algebra II will build upon the concepts taught in Algebra I. The course develops advanced algebra skills. Topics include, but are not limited to, matrices, solutions of equations/inequalities, quadratics, conic sections, polynomials and polynomial functions, radical functions and rational exponents, exponential and logarithmic functions, sequences and series, probability, statistics, and trigonometry. The content of this course is important for students' success in mathematics and to prepare the student for college and career readiness. Students will reason abstractly and quantitatively, will construct viable arguments, critique reasoning of others, and will use the appropriate tools of mathematics strategically.

Prerequisite: Algebra I and Geometry and teacher recommendation

Grade Level	Course Name	Course Number	Credits Earned	Course Weight
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10/11/12	Trigonometry	G5050	0.5	High School II
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In the Diocese of Greensburg, the Trigonometry course is a one semester course that studies the relationship between the measures of the angles and the lengths of the sides of right and oblique triangles. The course reinforces many algebraic skills and extends the study of geometry to include angular rotation, coterminal and related angles, the ratios of the six trigonometry functions, radian measurement, Pythagorean Theorem, Law of Sines, and Law of Cosines.

Prerequisite: Algebra II and Geometry and teacher recommendation

Grade Level	Course Name	Course Number	Credits Earned	Course Weight
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10/11/12	College Algebra	G5085	0.5	High School II
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The Diocese of Greensburg College Algebra course is the continuation of the concepts learned in modern Algebra II. Topics include the complex number system, sets and set operations, matrix algebra, and the examination of polynomial, rational, exponential, and logarithmic functions.

Prerequisite: Algebra II and Geometry and teacher recommendation

Mathematics Course Descriptions

Grade Level	Course Name	Course Number	Credits Earned	Course Weight
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10/11/12	Pre-Calculus	G5080	1	High School II
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In the Diocese of Greensburg Pre-Calculus curriculum, students will extend topics introduced in Geometry and Algebra II. Students will explore functions and accurately sketch their graphs through transformations. Topics for this course include polynomial and rational functions, exponential and logarithmic functions, trigonometric functions, and trig identities. The Pre-Calculus course provides a foundation for students who intend to study Calculus.

Prerequisite: Algebra II and Geometry

Grade Level	Course Name	Course Number	Credits Earned	Course Weight
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11/12	CHS – Calculus I	G5100	1	High School III
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This course introduces students to the fundamental ideas of calculus. Topics for Calculus I include limits, derivatives, trigonometric functions, logarithmic functions, exponential functions, applications of differentiation, definite, and indefinite integration.

Prerequisite: Pre-Calculus

College in High School course through Mount Aloysius College, Saint Vincent College, and Seton Hill University.

Grade Level	Course Name	Course Number	Credits Earned	Course Weight
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11/12	CHS – Probability and Statistics	G1075	1	High School III
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The Diocese of Greensburg Probability and Statistics course is a two-semester elective. The course is centered on the concepts of data exploration, sampling and experimentation, probability and simulation, and statistical inference. Students explore both one- and two-variable data; participate in data collection; examine probability, random variables, and probability distributions; use sampling distributions; and engage in inferential reasoning with categorical (proportions and chi-square) and quantitative (means and slopes) data. Students develop and execute original research with an emphasis on data collection, analysis, interpretation, and presentation. Completion of this course is equivalent to completion of an introductory statistics course at the undergraduate level.

Prerequisite: Teacher recommendation

College in High School course through Seton Hill University.

Grade Level	Course Name	Course Number	Credits Earned	Course Weight
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12	CHS – Calculus II	G5102	1	High School III
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The Diocese of Greensburg Calculus II course is designed to continue and enhance concepts learned in Calculus I. Included in this course are sections on Integration, Improper Integrals, Area Between Curves, Application of Integrals, Vectors, Parametric & Polar Curves, Series and Sequences, and if time permits, Differential Equations.

Prerequisite: Calculus I

College in High School course through Saint Vincent College.

Physical Education/Health Course Descriptions

Grade Level	Course Name	Course Number	Credits Earned	Course Weight
7,8	Physical Education	G0507, G0508	0.5	Level I

The Diocese of Greensburg seventh and eighth grade physical education curriculum is focused on meeting the state standards through lessons and activities that concentrate on physical fitness, cooperative games, and individual and team sports. Students in seventh and eighth grade will be using skills learned to this point in game situations focusing on strategy and team play. The seventh and eighth grade students will focus on these skills emphasizing interpersonal relationships with peers that focus on God and gospel values.

Grade Level	Course Name	Course Number	Credits Earned	Course Weight
10	Physical Education	G0510	0.5	High School I

The Diocese of Greensburg tenth grade physical education curriculum is focused on meeting the state standards through lessons and activities that concentrate on physical fitness, cooperative games, and individual and team sports. Students in tenth grade will be using skills learned to this point in game situations focusing on strategy and team play. The tenth-grade students will focus on these skills emphasizing interpersonal relationships with peers that focus on God and gospel values.

Grade Level	Course Name	Course Number	Credits Earned	Course Weight
10	Health	G0600	0.5	High School I

The Diocese of Greensburg health curriculum provides students with education in the areas of growth and development, physical health, nutrition, physical activity, first aid, safety and prevention, social health and relationships, consumer health, and substance abuse. Students will learn, evaluate, determine, analyze, and combine different health topics. Students will research health topics, discuss them with peers, and debate their merits. Students will apply health promotion concepts and skills to support a healthy, active lifestyle. Students will apply information about alcohol, tobacco, drugs, and medicines to make decisions that support a healthy, active lifestyle. Students will apply concepts of physical, social, and emotional aspects of human relationships to support a healthy, active lifestyle. Students will apply health-related and skill-related fitness concepts and skills to develop and maintain a healthy, active lifestyle. This course implements the Operation Prevention Program, is aligned to the PA Academic Standards for Health, Safety and Physical Education, 10th grade, and is in line with the teachings and values of the Roman Catholic Church.

Physical Education/Health Course Descriptions

Grade Level	Course Name	Course Number	Credits Earned	Course Weight
9-12	Contract Physical Education	G0500	0.25	High School I

Physical Education as an independent study course is focused on students engaging in a Geibel Catholic High School team sport to maintain fitness and health. Activities will vary from student to student and should reflect a deliberate physical lifestyle. Students will report their participation in a Geibel Catholic sports team to the guidance office which will earn the student 0.25 credits towards electives after verification with the team coach. Through contract physical education, students will learn and apply knowledge of physical education skills to improve and maintain a healthy body by increasing flexibility, muscle tone, coordination, aerobic conditioning, and/or motor skills.

Religion Course Descriptions

Grade Level	Course Name	Course Number	Credits Earned	Course Weight
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7	Religion 7	G6007	0	Level I
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In the Diocese of Greensburg, 7th grade students review and recommit their journey towards God's kingdom, in the context of their relationship with Jesus Christ. Jesus is explored through the Scriptures and Church Teaching. Units of Study include: *Who is Jesus Christ?*, *Creed*, *Catholic Life*, *Pure of Heart*, *Confirmation*, *Church's Liturgical Year*, *Catholic Social Teaching*.

Grade Level	Course Name	Course Number	Credits Earned	Course Weight
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8	Religion 8	G6008	0	Level I
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Students in Grade 8 are invited to deepen their understanding and participation in the Church as the visible, living sign of God's kingdom in history. The issues and questions of a young teen's universe are explored from the perspective of the Church's collective experience, wisdom, and mission. Units of Study include: *Faith and Beliefs*, *Confirmation*, *Catholic Life*, *Pure of Heart*, *Faith Experiences*, *Church's Liturgical Year*.

Grade Level	Course Name	Course Number	Credits Earned	Course Weight
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9	Revelation of Jesus Christ in Scripture	G6011	0.5	High School I
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The purpose of this course is to give students a general knowledge and appreciation of the Sacred Scriptures. Through their study of the Bible they will come to encounter the living Word of God, Jesus Christ. In the course, students will learn about the Bible, authored by God through Inspiration, and its value to people throughout the world. They will learn how to read the Bible and will become familiar with the major sections of the Bible and the books included in each section. The students will pay particular attention to the Gospels, where they may grow to love know and love Jesus Christ more personally.

Grade Level	Course Name	Course Number	Credits Earned	Course Weight
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9	Who is Jesus Christ?	G6012	0.5	High School I
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The purpose of this course is to introduce students to the mystery of Jesus Christ, the Living Word of God, the Second Person of the Blessed trinity. In this course students will understand that Jesus Christ is the ultimate Revelation to us from God. In learning about who he is, the students will also learn who he calls them to be.

Religion Course Descriptions

Grade Level	Course Name	Course Number	Credits Earned	Course Weight
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10	The Mission of Jesus Christ (The Paschal Mystery)	G6031	0.5	High School I
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Through purpose of this course is to help students understand all that God has done for us through his Son, Jesus Christ. Through this course of study, students will learn that for all eternity, God has planned for us to share eternal happiness with him, which is accomplished through the redemption Christ won for us. Students will learn that they share in this redemption only in and through Jesus Christ. They will also be introduced to what it means to be a disciple of Christ and what life as a disciple entails.

Grade Level	Course Name	Course Number	Credits Earned	Course Weight
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10	Jesus Christ's Mission Continues in the Church	G6032	0.5	High School I
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The purpose of this course is to help the students understand that in and through the church they encounter the living Jesus Christ. They will be introduced to the fact that the church was founded by Christ through the Apostles and is sustained by him through the Holy Spirit. The students will come to know that the church is the living Body of Christ today. This Body has both divine and human elements. In this course, students will learn not so much about events in the life of the Church but about the sacred nature of the Church.

Grade Level	Course Name	Course Number	Credits Earned	Course Weight
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11	Sacraments as Privileged Encounters	G6041	0.5	High School I
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The purpose of this course is to help students understand that it is only through Christ that they can fully live out God's plans for their lives. Students are to learn the moral concepts and precepts that govern the lives of Christ's disciples.

Grade Level	Course Name	Course Number	Credits Earned	Course Weight
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11	Life in Jesus Christ	G6042	0.5	High School I
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The purpose of this course is to help students understand that it is only through Christ that they can fully live out God's plans for their lives. Students are to learn the moral concepts and precepts that govern the lives of Christ's disciples.

Grade Level	Course Name	Course Number	Credits Earned	Course Weight
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12	Living as a Disciple of Jesus Christ in Society	G6051	0.5	High School I
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The purpose of this course is to introduce students to the Church's social teaching. In this course, students are to learn how Christ's concern for others, especially the poor and needy, is present today in the Church's social teaching and mission.

Religion Course Descriptions

Grade Level	Course Name	Course Number	Credits Earned	Course Weight
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12	Responding to the Call of Jesus Christ	G6052	0.5	High School I
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The purpose of this course is to help students to understand the vocations of life: how Christ calls us to live. In this course, students should learn how all vocations are similar and how they differ. The course should be structured around married life, single life, priestly life, and consecrated life. Students should learn what it means to live life for the benefit of others and the value in considering a vocation in service to the Christian community.

Grade Level	Course Name	Course Number	Credits Earned	Course Weight
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12	CHS - World Religions	G6060	0.5	High School III
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This one semester CHS is available to seniors and explores the major religions of the world: Christianity, Islam, Judaism, Vedic (formerly Hinduism), and Buddhism. This course aims to examine the origins of religion to better define and describe it as a human phenomenon. These examinations and explorations will deepen the students' understandings of religion's profound influence in shaping human culture and expressing human needs. A basic understanding of the five major world religions is developed through the lens of creed, code, and ceremony. The students will explore the foundational rules of faith and spirituality and human growth and development and in the shaping of human cultures.

College in High School course through Seton Hill University.

Grade Level	Course Name	Course Number	Credits Earned	Course Weight
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12	Philosophy	G2099	0.5	High School I
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In the broadest sense of the word, philosophy is simply a natural attempt to gain a deeper insight into our own personal lives as well as into the cumulative intellectual history of humankind. To philosophize means to clarify our experience through reflection. To become more fully human, we must become thoughtful. We must possess a more practical understanding of our world, a more than mechanical image of ourselves, and a more than routine familiarity with the moral realm. Considered from this point of view, philosophy is both easy and difficult; easy because it only requires thought; difficult because sustained thinking demands courage, patience, and an almost unlimited degree of openness. Through the course, please keep in mind the following insight of Martin Heidegger, one of the greatest contemporary philosophers: "It's not what we can do with philosophy but what philosophy can do to us."

Science Course Descriptions

Grade Level	Course Name	Course Number	Credits Earned	Course Weight
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7	Science 7	G7007	0	Level I
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This Diocese of Greensburg seventh grade life science course will continue to build upon the disciplinary core ideas and science and engineering practices. The Next Generation Science Standards based curriculum, covers units on Cells to Organisms, Cell Processes and Reproduction, Heredity, Interactions within Ecosystems, and Biological Unity and Diversity. Students explore structural and functional development and growth in cells and organisms, cell processes, and the inheritance and variations of traits. Finally, students investigate interdependent relationships in ecosystems and adaptations and biodiversity within populations. Bioethical issues are examined with a Catholic worldview.

Grade Level	Course Name	Course Number	Credits Earned	Course Weight
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8	Science 8	G7008	0	Level I
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The overall objective of this course is to provide content aligned to the Next Generation Science Standards that prepares students for their upcoming science curriculum concerning physical science, to achieve competency in standardized testing, to place them on a strong, college-bound track, and to empower them with a Catholic worldview. The content units consist of matter and its interactions, motion and stability, energy, and waves. Students will be able to develop and use models, plan, and conduct investigations, analyze, and interpret data, use mathematical and computational thinking, and construct explanations; and to use these practices to demonstrate understanding of the core ideas. Students are also expected to demonstrate understanding of several of engineering practices including design and evaluation. The instructional approach of the course is one of constructivist inquiry where students' master key concepts and skills through the pursuit of essential questions using explorative activities, experimentation, concept writing and substantive classroom discussion.

Grade Level	Course Name	Course Number	Credits Earned	Course Weight
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9	Biology I	G7030	1	High School I
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The Diocese of Greensburg Biology curriculum emphasizes the unifying concepts between all areas of biology. Biochemical, cellular, genetic, evolutionary, and ecological concepts are presented as the student's survey all domains of organisms. Lab experiences challenge the student and demand the development of extensive microscope skills, dissecting skills, observational skills, analytical and interpretative skills. The lab work allows the student to further his/her knowledge of topics discussed in class. Concepts learned in biology connect to real world applications as students analyze the Catholic viewpoint concerning various bioethical dilemmas.

Science Course Descriptions

Grade Level	Course Name	Course Number	Credits Earned	Course Weight
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9	Honors Biology I	G7040	1	High School II
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Honors Biology will require consistent effort and a mature approach to challenge. Honors Biology students will work more independently and demonstrate a more in depth understanding of biological concepts. Students enrolled for this class should be self-motivated and willing to engage in critical and analytical thinking.

The Diocese of Greensburg Biology curriculum emphasizes the unifying concepts between all areas of biology. Biochemical, cellular, genetic, evolutionary, and ecological concepts are presented as the students survey all domains of organisms. Lab experiences challenge the student and demand the development of extensive microscope skills, dissecting skills, observational skills, analytical and interpretative skills. The lab work allows the student to further his/her knowledge of topics discussed in class. Concepts learned in biology are connected to real world applications as students analyze the Catholic viewpoint concerning various bioethical dilemmas.

Grade Level	Course Name	Course Number	Credits Earned	Course Weight
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10	Honors Biology II	G7041	1	High School II
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Honors Biology will require consistent effort and a mature approach to challenge. Students enrolled in Honors Biology II will work more independently and demonstrate a deeper understanding of biological concepts. Students enrolled for this class should be self-motivated and willing to engage in critical and analytical thinking.

The Diocese of Greensburg Biology curriculum emphasizes the unifying concepts between all areas of biology. Biochemical, cellular, genetic, evolutionary, and ecological concepts are presented as the students survey all domains of organisms. Lab experiences challenge the student and demand the development of extensive microscope skills, dissecting skills, observational skills, analytical and interpretative skills. The lab work allows the student to further his/her knowledge of topics discussed in class. Concepts learned in biology are connected to real world applications as students analyze the Catholic viewpoint concerning various bioethical dilemmas.

Prerequisite: Honors Biology I, high achievement in Biology I, or teacher recommendation.

Science Course Descriptions

Grade Level	Course Name	Course Number	Credits Earned	Course Weight
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10/11	Chemistry I	G7050	1	High School I
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The overall objective of this course is to provide content aligned to the Next Generation Science Standards that prepares students for their upcoming science curriculum concerning physical science, to achieve competency in standardized testing, to place them on a strong, college-bound track, and to empower them with a Catholic worldview. The content units consist of structure of atoms, electron behaviors, atomic interactions, chemical reactions, stoichiometry, particle arrangement and behaviors, and ion interactions. Students will be able to develop and use models, plan, and conduct investigations, analyze, and interpret data, use mathematical and computational thinking, and construct explanations; and to use these practices to demonstrate understanding of the core ideas. Students are also expected to demonstrate understanding of several of engineering practices including design and evaluation. The instructional approach of the course is one of constructivist inquiry where students' master key concepts and skills through the pursuit of essential questions using explorative activities, experimentation, concept writing and substantive classroom discussion.

Prerequisite: Biology I or Honors Biology I

Grade Level	Course Name	Course Number	Credits Earned	Course Weight
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10/11	Honors Chemistry I	G7045	1	High School II
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Honors Chemistry will require consistent effort and a mature approach to challenge. Honors Chemistry students will work more independently and demonstrate a deeper understanding of concepts. Students enrolled for this class should be self-motivated and willing to engage in critical and analytical thinking.

The overall objective of this course is to provide content aligned to the Next Generation Science Standards that prepares students for their upcoming science curriculum concerning physical science, to achieve competency in standardized testing, to place them on a strong, college-bound track, and to empower them with a Catholic worldview. The content units consist of structure of atoms, electron behaviors, atomic interactions, chemical reactions, stoichiometry, particle arrangement and behaviors, and ion interactions. Students will be able to develop and use models, plan, and conduct investigations, analyze and interpret data, use mathematical and computational thinking, and construct explanations; and to use these practices to demonstrate understanding of the core ideas. Students are also expected to demonstrate understanding of several of engineering practices including design and evaluation. The instructional approach of the course is one of constructivist inquiry where students' master key concepts and skills through the pursuit of essential questions using explorative activities, experimentation, concept writing and substantive classroom discussion.

Prerequisite: Honors Biology I or Honors Biology II

Science Course Descriptions

Grade Level	Course Name	Course Number	Credits Earned	Course Weight
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11/12	CHS – Honors Chemistry II	G7046	1	High School III
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Honors Chemistry II will require consistent effort and a mature approach to challenge. Honors Chemistry II students will work more independently and demonstrate a deeper understanding of concepts. Students enrolled for this class should be self-motivated and willing to engage in critical and analytical thinking.

The overall objective of this course is to provide content aligned to the Next Generation Science Standards that prepares students for their upcoming science curriculum concerning physical science, to achieve competency in standardized testing, to place them on a strong, college-bound track, and to empower them with a Catholic worldview. The content units consist of structure of subatomic particles, ionic and covalent bonding, VSEPR Theory, synthesis, decomposition, and combustion reactions. Students will be able to explain the VSEPR Theory, and the significance of a chemical formulas, predict the products of equations develop and use models, plan, and conduct investigations, analyze, and interpret data, use mathematical and computational thinking, and construct explanations; and to use these practices to demonstrate understanding of the core ideas. Students are also expected to demonstrate understanding of several of engineering practices including design and evaluation. The instructional approach of the course is one of constructivist inquiry where students' master key concepts and skills through the pursuit of essential questions using explorative activities, experimentation, concept writing and substantive classroom discussion.

Prerequisites: Honors Chemistry I, Algebra I, and Geometry

College in High School course through Mount Aloysius College.

Grade Level	Course Name	Course Number	Credits Earned	Course Weight
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11/12	Environmental Science	G7060	1	High School I
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The overall objective of this course is to provide content aligned to the Next Generation Science Standards that prepares students for their upcoming science curriculum concerning Environmental Science, to achieve competency in standardized testing, to place them on a strong, college-bound track, and to empower them with a Catholic worldview. This class is for those students not planning to pursue a science or engineering course of study in college. The student will demonstrate the ability to use scientific skills necessary to identify and analyze environmental issues, engaging with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world. The course requires that students identify and analyze natural and human-made environmental problems, evaluate the relative risks associated with these problems, and examine alternative solutions for resolving or preventing them. Environmental science is interdisciplinary, embracing topics from geology, biology, environmental studies, environmental science, chemistry, and geography. The students will engage in various environmentally focused projects: building an air conditioning unit, water filtration system, model rocket and solar cooker. In addition, the course offers numerous lab activities to stimulate interest in environmental issues.

Science Course Descriptions

Grade Level	Course Name	Course Number	Credits Earned	Course Weight
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11-12	Introduction to Engineering Design	G1073	0.5	High School I
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From a firm foundation in the scientific method, students explore the engineering design process and related tools to find successful solutions to engineering and design problems. Through both individual and collaborative team activities, projects, and problems, students apply systematic and scientific philosophy in consideration of various aspects of engineering design, including relevant research, material selection, human-centered design, sustainability, and manufacturability. Student-developed testing protocols drive decision-making and design improvements. Students will build competency in professional practices including project management, peer review, and environmental impact analysis. Ethical issues related to professional practice and product development are also presented.

Grade Level	Course Name	Course Number	Credits Earned	Course Weight
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11-12	Introduction to Forensic Science	G7070	0.5	High School I
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The Introduction to Forensic Science course is designed for students who are interested in forensic science and related crime scene analysis. Topics may include a selection of the following: Observations, Evidence Collection, Hairs & Fibers, Plants-Pollen & Spores, Fingerprints, DNA Fingerprints, Blood & Blood Spatter, Toxicology, Handwriting, Manner of Death, Soil & Bugs, Bones, Glass, Tools & Impressions, Arson, and Ballistics. Students engage in laboratory activities that align to the topics and view documentary case files where evidence aligned to the topic is used to solve a case. Related guest speakers and field trips may be included.

Grade Level	Course Name	Course Number	Credits Earned	Course Weight
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11/12	CHS – Anatomy /Physiology	G7080	1	High School III
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The overall objective of this course is to provide content aligned to the Next Generation Science Standards that prepares students for their upcoming science curriculum concerning anatomy/physiology, to achieve competency in standardized testing, to place them on a strong, college-bound track, and to empower them with a Catholic worldview. The content units consist of the organization of the body, chemistry, and cell body structure, integumentary, skeletal, muscular, nervous, sensory, cardiovascular, lymphatic respiratory, digestive, urinary, reproductive, and endocrine systems. Students will be able to demonstrate their knowledge of the human body and the actions and interactions of its systems including the joints, muscles and nerves that innervate those muscles. The muscular system will be viewed on the microscopic and sub microscopic levels. The instructional approach of the course is one of constructivist inquiry where students' master key concepts and skills through the pursuit of essential questions using explorative activities, lab activities, concept writing and substantive classroom discussion.

Prerequisite: Honors Biology II

College in High School course through Mount Aloysius College.

Science Course Descriptions

Grade Level	Course Name	Course Number	Credits Earned	Course Weight
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11/12	CHS – Physics	G7090	1	High School III
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The overall objective of this course is to provide content aligned to the Next Generation Science Standards that prepares students for their upcoming science curriculum concerning physics, to achieve competency in standardized testing, to place them on a strong, collegebound track, and to empower them with a Catholic worldview. The content units consist of displacement and velocity, acceleration, vectors, vector operations, projectile motion, relative motion, the forces and laws of motion, work, energy, heat, thermodynamics, and electrical energy and magnetism. Students will be able to demonstrate their knowledge using dimensional analysis, order of magnitude calculations, calculation of displacement, kinetic equations, and the calculation of electrical energy conversion. The instructional approach of the course is one of constructivist inquiry where students' master key concepts and skills through the pursuit of essential questions using explorative activities, lab activities, concept writing and substantive classroom discussion.

Prerequisite: Algebra II

College in High School course offered through Saint Vincent College.

Social Studies Course Descriptions

Grade Level	Course Name	Course Number	Credits Earned	Course Weight
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7	Social Studies 7	G8000	0	Level I
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United States History to 1865. Students in this course will investigate, analyze, and interpret historical concepts and events that shape the United States of America: Emphasis will be on American Democracy, Civil Rights, Liberties, Economic Development, Ideas, Beliefs, and Institution while stressing the importance of Catholicism in the developing new country. Evaluations will take several forms including but not limited to written exams, papers, projects, and power points.

Grade Level	Course Name	Course Number	Credits Earned	Course Weight
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8	Social Studies 8	G8005	0	Level I
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United States History from 1865. Students in this course will investigate, analyze, and interpret historical concepts and events that shape the United States of America from Reconstruction to the present time. Evaluations will take several forms including but not limited to written exams, papers, projects, and power points.

Grade Level	Course Name	Course Number	Credits Earned	Course Weight
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9	World History I	G8013	1	High School I
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World History I is a one-credit full year course in the Diocese of Greensburg school system. In World History I, students are introduced to the development of World History from Prehistory to the eve of the Renaissance. The cultural and political accomplishments of the world are explored as humans act and interact to create history.

Grade Level	Course Name	Course Number	Credits Earned	Course Weight
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9	Honors World History I	G8014	1	High School II
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Honors World History I will require consistent effort and a mature approach to challenge. Honors World History I students will work more independently and demonstrate a deeper understanding of world history concepts. Students enrolled for this class should be self-motivated and willing to engage in critical and analytical thinking.

World History I is a one-credit full year course in the Diocese of Greensburg school system. In World History I, students are introduced to the development of World History from Prehistory to the eve of the Renaissance. The cultural and political accomplishments of the world are explored as humans act and interact to create history.

Prerequisite: Prior grade of 90% or higher in previous Social Studies class and teacher's recommendation

Social Studies Course Descriptions

Grade Level	Course Name	Course Number	Credits Earned	Course Weight
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10	World History II	G8023	1	High School I
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World History II is a one-credit full year course in the Diocese of Greensburg school system. In World History II, students are introduced to the development of World History from the Renaissance through the modern era. The cultural and political accomplishments of the world are explored as humans act and interact to create history.

Grade Level	Course Name	Course Number	Credits Earned	Course Weight
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10	Honors World History II	G8024	1	High School II
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Honors World History II will require consistent effort and a mature approach to challenge. Honors World History II students will work more independently and demonstrate a deeper understanding of world history concepts. Students enrolled for this class should be self-motivated and willing to engage in critical and analytical thinking.

World History II is a one-credit full year course in the Diocese of Greensburg school system. In World History II, students are introduced to the development of World History from the Renaissance through the modern era. The cultural and political accomplishments of the world are explored as humans act and interact to create history.

Prerequisite: Prior grade of 90% or higher in previous Social Studies class and teacher recommendation

Grade Level	Course Name	Course Number	Credits Earned	Course Weight
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11	American History	G8040	1	High School I
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American History is a one-year course in the study of the cultural, economic, political, social, and ethnic growth of the United States from Reconstruction to the present time. Students engage in a curriculum centered on instruction that develops the critical thinking skills of chronological reasoning, argumentation, contextualization, periodization, comparison, and synthesis. A framework is utilized which addresses seven overarching universal themes to all history: peopling, culture, geography, politics, identity, technology, and globalization. They respond to essential questions and identify enduring understandings necessary to deal critically with the important issues, events, and documents that comprise history. Students assess historical sources by their relevance to a given interpretive problem, their reliability, and their importance as they learn to weigh primary source evidence and historians' interpretations presented in historical scholarship. Students formulate conclusions based on an informed judgment as they present reasons and support clearly and persuasively. Students analyze and interpret primary sources, examine and evaluate documentary materials, maps, statistical tables, literary works, and pictorial and graphic evidence of historical events. Classroom activities and assessments direct learning while students master the paradigms of expository and argumentative composition and present documented research in projects, oral reports, and formal academic writing. Instruction incorporates technology-based learning strategies to facilitate the expansion of students' opportunities to become learners and participants in an increasingly global and interactive world.

Social Studies Course Descriptions

Grade Level	Course Name	Course Number	Credits Earned	Course Weight
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11	CHS – Honors American History	G8041	1	High School III
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Honors American History will require consistent effort and a mature approach to challenge. Honors American History students will work more independently and demonstrate a deeper understanding of American history concepts. Students enrolled for this class should be self-motivated and willing to engage in critical and analytical thinking.

American History is a one-year course in the study of the cultural, economic, political, social, and ethnic growth of the United States from Reconstruction to the present time for high school juniors. Students engage in a social studies curriculum centered on instruction that develops the critical thinking skills of chronological reasoning, argumentation, contextualization, periodization, comparison, and synthesis. Students experience coursework presented with adherence to a framework addressing seven overarching universal themes to all history: peopling, culture, geography, politics, identity, technology, and globalization. They respond to essential questions and identify enduring understandings necessary to deal critically with the important issues, events, and documents that comprise history. Students learn to assess historical sources by their relevance to a given interpretive problem, their reliability, and their importance as they learn to weigh primary source evidence and historians' interpretations presented in historical scholarship. Students formulate conclusions based on an informed judgment as they present reasons and support clearly and persuasively. Participating in instruction that trains students to analyze and interpret primary sources, they examine and evaluate documentary materials, maps, statistical tables, literary works, and pictorial and graphic evidence of historical events. Afforded classroom activities and assessments which direct learning, students master the paradigms of expository and argumentative composition and present documented research with clarity and precision in projects, oral reports, and formal academic writing. Instruction incorporates technology-based learning strategies to facilitate the expansion of students' opportunities to become learners and participants in an increasingly global and interactive world.

Prerequisite: Prior grade of 90% or higher in previous Social Studies class and teacher recommendation

College in High School course through Seton Hill University.

Grade Level	Course Name	Course Number	Credits Earned	Course Weight
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12	Civics and World Leadership	G8080	1	High School I
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This course will explore the critical attributes, institutions, and processes of American Government at federal, state, and local levels, as well as the ongoing responsibilities of the Catholic citizen in American society today. The students presented with several issues concerning the rights and responsibilities of American citizens, as well as the Catholic Church perspectives on various civic issues. The conflict and order of Catholic values versus those of secular American culture will be examined with emphasis on the Catholic solutions to these issues. Students explore the role of government in citizen's lives, origins of the U.S. Government, the U.S. Constitution, Federalism, the Powers of Congress, the U.S. presidency, foreign policy/national security, federal court system, political parties, and civic responsibility.

Social Studies Course Descriptions

Grade Level	Course Name	Course Number	Credits Earned	Course Weight
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11/12	Psychology	G8060	0.5	High School I
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Psychology is a one-semester elective course in which students are introduced to the current body of knowledge of the discipline of Psychology. Issues discussed in this course include the historical foundations of the science of Psychology, scientific research, human development, cognition, emotions, memory, learning, human behavior, consciousness, and theories of learning. It is required that all students bring their school laptops fully charged to each session in order to be prepared to accomplish all required tasks.

Grade Level	Course Name	Course Number	Credits Earned	Course Weight
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11/12	Sociology	G8090	0.5	High School I
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Sociology is a one-semester elective course in which students are introduced to the current body of knowledge of the discipline of Sociology. This course is centered on the behavior of people in groups. Topics include, but are not limited to, socialization, institutions, social interaction, social change, collective behavior, social justice, and competition in society. Activities include research, group activities and simulations, as well as standard testing.

Grade Level	Course Name	Course Number	Credits Earned	Course Weight
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11/12	Economics	G8065	0.5	High School I
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Economics is a one-semester elective course in which students are introduced to the current body of knowledge of the discipline of Economics. Issues discussed in this course include the historical foundations of the social science of Economics, basic economic concepts, economic systems, business organization, economic institutions, and the role of government, Microeconomics, and Macroeconomics.

Technology Course Descriptions

Grade Level	Course Name	Course Number	Credits Earned	Course Weight
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11/12	Introduction to Programming	G1071	0.5	High School I
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In Introduction to Programming I, students will be introduced to basic programming codes and actions. Additionally, students will be introduced to 3D technology and design elements. All students will have the opportunity to work with 3D design files, manipulate designs, and construct and print their designs with 3D printers.

Grade Level	Course Name	Course Number	Credits Earned	Course Weight
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11/12	Introduction to Programming II	G1072	0.5	High School I
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Introduction to Programming II builds on students' previous knowledge on basic 3D technologies and programming of drag and drop coding by teaching students how to write code and work with building and coding circuits with Audrino kits. Students will create schematics, code lights, motors, timers, ask and response designs, and build a custom final project that the students will code and demonstrate use. Students will also expand on their 3D technology skills and explore building and designing with alternative 3D tools and techniques appropriate for career and technology pathways.

World Language Course Descriptions

Grade Level	Course Name	Course Number	Credits Earned	Course Weight
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7	Introduction to Languages	G4001 G4002	0	Level I
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These one-semester courses are intended as an introduction to the study of the Spanish/French language and culture. Students will work toward a beginning level of competency in the areas of speaking and listening skills. Everyday vocabulary, basic grammar, and pronunciation will be emphasized. Students will receive an initial exposure to the culture of the language being studied.

Grade Level	Course Name	Course Number	Credits Earned	Course Weight
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8-12	French I	G4010	1	High School I
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In this course, students will achieve a beginning level of competency in the four basic language skills of listening, speaking, reading, and writing, as well as an awareness and understanding of French culture. Everyday vocabulary and basic grammar will enable the student to communicate on a novice level about a variety of topics.

Grade Level	Course Name	Course Number	Credits Earned	Course Weight
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9-12	French II	G4040	1	High School I
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The French II curriculum expands on and improves the fundamental skills acquired in level I. The four basic language skills of listening, speaking, reading, writing, as well as cultural awareness are targeted. Students will be able to communicate about a variety of topics and will continue to explore various aspects of French culture.

Grade Level	Course Name	Course Number	Credits Earned	Course Weight
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10-12	French III	G4060	1	High School I
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This course further develops the language skills acquired in level 2. This level focuses on increased linguistic proficiency through the study of more advanced vocabulary and grammatical structures. Continued development of the basic language skills of listening, speaking, reading, and writing, as well as cultural awareness is carried out with emphasis on listening comprehension, oral communication, and writing.

Grade Level	Course Name	Course Number	Credits Earned	Course Weight
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11-12	CHS – French IV	G4080	1	High School III
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In the fourth year of language study, students further develop the linguistic proficiency achieved in level 3 with exposure to more advanced grammatical structures and richer vocabulary. Continued development of the basic language skills of listening, speaking, reading, and writing, as well as cultural awareness is carried out with emphasis on listening comprehension, oral communication, and writing. Advanced language study is strongly encouraged for the college-bound student.

College in High School course through St. Vincent College.

World Language Course Descriptions

Grade Level	Course Name	Course Number	Credits Earned	Course Weight
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12	CHS – French V: Survey of French Literature	G4085	1	High School III
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In the fifth-year curriculum, strong emphasis is placed on reading comprehension and writing skills. Students will read, analyze, and discuss French literary texts of various genres from the 16th – 21st centuries. This course may be offered as an independent study and may be taken concurrently with Level IV.

College in High School course through St. Vincent College and Seton Hill University.

Grade Level	Course Name	Course Number	Credits Earned	Course Weight
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8-12	Spanish I	G4020	1	High School I
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In this course, students will achieve a beginning level of competency in the four basic language skills of listening, speaking, reading, and writing, as well as an awareness and understanding of Spanish culture. Everyday vocabulary and basic grammar will enable the student to communicate on a novice level about a variety of topics.

Grade Level	Course Name	Course Number	Credits Earned	Course Weight
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9-12	Spanish II	G4050	1	High School I
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The Spanish II curriculum expands on and improves the fundamental skills acquired in level I. The four basic language skills of listening, speaking, reading, writing, as well as cultural awareness are targeted. Students will be able to communicate about a variety of topics and will continue to explore various aspects of Spanish culture.

Grade Level	Course Name	Course Number	Credits Earned	Course Weight
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10-12	Spanish III	G4070	1	High School I
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This course further develops the language skills acquired in level 2. This level focuses on increased linguistic proficiency through the study of more advanced vocabulary and grammatical structures. Continued development of the basic language skills of listening, speaking, reading, and writing, as well as cultural awareness is carried out with emphasis on listening comprehension, oral communication, and writing.

World Language Course Descriptions

Grade Level	Course Name	Course Number	Credits Earned	Course Weight
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11-12	CHS – Spanish IV	G4090	1	High School III
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In the fourth year of language study, students further develop the linguistic proficiency achieved in level 3 with exposure to more advanced grammatical structures and richer vocabulary. Continued development of the basic language skills of listening, speaking, reading, and writing, as well as cultural awareness is carried out with emphasis on listening comprehension, oral communication, and writing. Advanced language study is strongly encouraged for the college-bound student.

College in High School course through St. Vincent College.

Grade Level	Course Name	Course Number	Credits Earned	Course Weight
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12	CHS – Spanish V Survey of Spanish Literature	G4095	1	High School III
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In the fifth-year curriculum, strong emphasis is placed on reading comprehension and writing skills. Students will read, analyze, and discuss Spanish literary texts of various genres from the 16th – 21st centuries. This course may be offered as an independent study and may be taken concurrently with Level IV.

College in High School course through St. Vincent College and Seton Hill University.