

# **Greensburg Central Catholic Junior-Senior High School**



PROGRAM OF  
STUDIES  
2018-2019

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# BUSINESS/COMMUNICATIONS/TECHNOLOGY

Grade Level	Course Name	Number	Credits	Weight
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11-12	Accounting I	0400	1	Level I
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Accounting I will give the student a thorough background in the basic accounting procedures used to operate a sole proprietorship business. The concepts and procedures presented will serve as a background for employment in office jobs and prepare the students for studying business in college. Students will study the logic and theory of the accounting cycle to understand and interpret financial data. The principals and methods of recording transactions, posting, and preparing financial statements are an integral part of the course with a focus on service and merchandising businesses organized as sole proprietorships. This course benefits any student especially those thinking of majoring in business.

Grade Level	Course Name	Number	Credits	Weight
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12	CHS Accounting II	0410	1	Level II
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Accounting 2 is designed for the business student and the college bound business major. Accounting 2 is an advanced course that builds upon the basics acquired in Accounting 1. During the first semester students will review concepts from Accounting 1 and improve and broaden the student's knowledge and understanding of accounting concepts and procedures to include accruals and depreciation and apply them to corporate accounting. The second semester will focus on applying accounting concepts and procedures in order to interpret financial documents and the completion of an accounting project.

CHS – Seton Hill

Grade Level	Course Name	Number	Credits	Weight
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10,11,12	Television Production	0620	.5	Level 1
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Grade Level	Course Name	Number	Credits	Weight
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7,8                      Maker Space                      0645                      0                      Level I

The Makerspace course will examine technology (low and high), its applications, its effect on society, and its ethical use through the prism of Catholic moral and social teaching. Students will have both theoretical and hands-on encounters with technology of different types, including soft and hard materials, hand and power tools, electronics, and digital technology. The course will also have an explicit and implicit focus on design, using the design process as a locus. Students will be given challenges and will be asked to use the design process to guide their reasoning towards workable solutions. Students will use these as opportunities to work both independently and in groups, in order to apply new technological and procedural skills to assigned problems. This is a one semester course with much material on which to focus. Instead of delving into any one topic heavily, the modus operandi will instead be to give students a basic introduction to each topic, demonstrate some applications of those topics, and inspire students to guide their own deeper learning.

Grade Level	Course Name	Number	Credits	Weight
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11, 12                      Personal Finance                      0771                      .5                      Level I

This course delves into the science of financial decision-making and activities of an individual; this includes budgeting, savings, debt servicing, saving, sharing and taxes. Financial planning for the student to meet short-term and long-term goals and introduces ideas of how to manage money. Individuals seek advice from financial planners and this course introduces the concepts by using software and websites from banks, financial institutions, and the government to explore financial options. Personal finance includes monitoring spending, budgeting for an emergency fund, and paying down debt. Students should leave this course with a better idea of how to manage their finances and money.

Grade Level	Course Name	Number	Credits	Weight
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10-12                      Yearbook                      1700                      1                      Level I

Through a study of yearbook theory, including typography, photographic special effects, and page layout, the students in this class are prepared and learned responsibility for publication of the yearbook. Students will have extensive exposure to the program, Year Tech through on-line services at Yearbook Avenue provided by Jostens Publishing Company. This course is a requirement for membership and an editor position on the yearbook staff.

Grade Level	Course Name	Number	Credits	Weight
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9	Academic Skills	1870	.5	Level I
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This semester-long course is an introduction to the academic skills and study strategies necessary for success at the high school level. Areas of focus include organization, preparation, study methods and skills, and in-class homework, and test-taking approaches. Through this course, students will learn the skills and strategies required for making effective transitions from junior high to high school and from high school to college. All academic disciplines are taken into account and addressed specifically throughout the semester. Both objective and written assessments are used to measure student progress in the course.

Grade Level	Course Name	Number	Credits	Weight
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10,11,12	Computer Programming I	4720	1	Level I
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Programming I will look at the absolute basics of programming. The class will explore the reason and importance of computer programming, and some jobs in the industry. The students will be exposed to logic flow management through pseudocode and Scratch, and will gain an understanding of the role of math in computer sciences and programming.

Grade Level	Course Name	Number	Credits	Weight
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10,11,12	Computer Programming II	4721	1	Level I
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This course will build on the foundations established in Computer Programming I. The course will maintain a focus on programming theory and contrasting language types. The students will work in a collaborative and competitive environment, reflecting the nature of computer programming business environment..

# ENGLISH

Grade Level	Course Name	Number	Credits	Weight
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7	English Language Arts 7	1007	0	Level I
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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	Number	Credits	Weight
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8	English Language Arts 8	1008	0	Level I
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English Language Arts 8 is a comprehensive course, emphasizing analyses of the following genres: short stories, poems, informational texts, novels, and drama. This course also emphasizes the further 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. Writing, language, comprehension, and vocabulary skills continue to be developed in this course.

Grade Level	Course Name	Number	Credits	Weight
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8	Honors English Language Arts 8	1010	0	Level I
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This advanced course is designed for eighth grade students who have excelled in reading comprehension, analysis, and composition in the seventh grade year. This course includes the reading and analysis of a wide variety of texts (novels, short stories, plays, nonfiction, and poems). Students compose various pieces of formal writing (expository, persuasive, narrative, descriptive, and creative). Special emphasis is placed on writing at a higher level using appropriate organization, developing cohesive and meaningful written responses, and refining

skills -- prewriting, drafting, editing, and revising -- essential to the writing process. Embedded in the curriculum, vocabulary, spelling, and grammar development also continues. Advanced English Language Arts 8 is intended to foster student advancement in understanding the fundamental elements of literature and to increase those analytical skills necessary both for their ninth grade experience and for their ongoing development through the English program of studies at Greensburg Central Catholic High School.

Grade Level	Course Name	Number	Credits	Weight
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9	Foundations of World Literature	1100	1	Level I
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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.

Grade Level	Course Name	Number	Credits	Weight
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9	Honors Foundations of World Literature	1102	1	Level II
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Honors Foundations of World Literature is the first in a series of advanced English classes at Greensburg Central Catholic High School. 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	Number	Credits	Weight
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10	World Literature	1200	1	Level I
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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; 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.

Grade Level	Course Name	Number	Credits	Weight
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10	Honors World Literature	1202	1	Level II
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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	Number	Credits	Weight
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11	American Literature	1300	1	Level I
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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.



Grade Level	Course Name	Number	Credits	Weight
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11	Honors American Literature	1302	1	Level II
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Honors English III 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, Naturalism, 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; specific focus is placed on literary research and the composition of the MLA research paper. Materials and methods are presented to assist students' proficiency in the research process.

Grade Level	Course Name	Number	Credits	Weight
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12	Foundations of Western Literature	1400	1	Level I
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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.

Grade Level	Course Name	Number	Credits	Weight
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12 Honors Foundations of Western Literature 1402 1 Level II

Honors Foundations of Western Literature is designed as one culmination of the high school honors English curricula for students who have demonstrated advanced literary and composition skills. Rigorous critical analyses of short stories, novels, drama, poetry, and literary nonfiction are integral components of the course. Students consistently 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.

Grade Level	Course Name	Number	Credits	Weight
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12 AP English Literature and Composition 1405 1 Level III

The Advanced Placement English Literature and Composition course emphasizes the development of skills in careful reading and critical analysis of literature from a variety of genres and periods. Writing is an integral part of the AP English Literature and Composition course. Writing assignments focus on the critical analysis of literature and include expository, analytical, and argumentative essays. This course is designed to provide students with an academic experience parallel to that of a college-level literature course. Students demonstrate their achievement by taking the Advanced Placement Exam administered by the Educational Testing Service for the College Board in May of each school year.

CHS – Seton Hill

Grade Level	Course Name	Number	Credits	Weight
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11, 12 Creative Writing 1510 .5 Level I

This course is designed for students who wish to develop their creative writing talents. Students learn to express themselves creatively through a study of and creative composition of essay, short story, poetry, and play writing.

Grade Level	Course Name	Number	Credits	Weight
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11, 12	CHS Composition and Rhetoric	1850	.5	Level II
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This is a college in high school honors English elective that focuses on the refinement and mastery of specific writing skills. Students consistently review and apply grammar skills in the process of crafting approximately one essay per week. With the facilitation of the instructor, students work independently and with other students to critique, edit (content and copyediting), and draft original manuscripts. Multiple ongoing projects and in-class presentations provide students with additional methods of expression.

CHS – Seton Hill

Grade Level	Course Name	Number	Credits	Weight
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11, 12	Public Speaking	1860	.5	Level I
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This course is designed for students who wish to develop and refine oral presentation skills. Students actively examine the principles of communication and how to build a speech. Researching, organizing, revising, and executing speeches are essential components of Public Speaking. The course features student engagement in a variety of genres of speeches.

# FINE ARTS

Grade Level	Course Name	Number	Credits	Weight
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7	7 <sup>th</sup> Grade Art	2850	0	Level I
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The Diocese of Greensburg seventh grade art curriculum encourages middle school students to embrace the influences of the creative world around them. Students will, based on the NCCAS Visual Standards, 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	Number	Credits	Weight
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8	8 <sup>th</sup> Grade Art	2950	0	Level I
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The Diocese of Greensburg eighth grade art curriculum builds upon 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	Number	Credits	Weight
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9	Freshman Art	2100	.5	Level 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.

Materials Fee - \$15

Grade Level	Course Name	Number	Credits	Weight
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10-11 Art Appreciation 2101 .5 Level I

Greensburg Central Catholic Art Appreciation is a semester-long art class encourages high school students to embrace the influences of the creative world around them. Students, based on the NCCAS Visual Standards, survey the history of art by exploring many styles and periods of art from prehistoric to modern. Students create projects align with art history study and art by genre. Students work in groups to critique and analyze art using the elements and principles of design, historical knowledge, and religious / political context. Students will reproduce one prominent work of art throughout the semester.

Materials Fee - \$15

Grade Level	Course Name	Number	Credits	Weight
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10-12 Printmaking and Creative Design 2170 .5 Level I

Greensburg Central Catholic Printmaking and Creative Design is a semester-long art class encourages high school students to embrace the influences of the creative world around them. Students, based on the NCCAS Visual Standards, adapt all projects to the basics of 2-D and 3-D design. Students will use printmaking to reinforce the elements and principles of design to accomplish good design. Students explore and focus primarily on the basics of the elements and principles of design. Students build on their previous knowledge of art to explore their own creativity using the foundation of “good” art tactics. Students prioritize process vs. product and the experience of creating and problem solving.

Materials Fee - \$15

Grade Level	Course Name	Number	Credits	Weight
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11-12 CHS Graphic Design 0615 .5 Level II

Greensburg Central Catholic Graphic Design is a semester-long art class encourages high school students to embrace the influences of the creative world around them. Students, based on the NCCAS Visual Standards, use the elements and principles of design to create visually appealing designs in media. Students learn to apply smart design principles to multimedia products such as dynamic graphics, animations, Web sites, software authorizing tools, digital photograph and digital video.

Materials Fee - \$10

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Grade Level	Course Name	Number	Credits	Weight
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11-12      Graphic Design II      0616      .5      Level I

Greensburg Central Catholic Graphic Design II is a semester-long art class encourages high school students to embrace the influences of the creative world around them. Students based on the NCCAS Visual Standards, use previous knowledge of graphic design-to-design upper level projects all leading to the development of a webpage. Students use good graphic techniques to design exemplar projects and design elements to accomplish a successful website.

Materials Fee - \$10

Grade Level	Course Name	Number	Credits	Weight
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10-12      Ceramics      2182      .5      Level I

Greensburg Central Catholic Ceramics is a semester-long art class encourages high school students to embrace the influences of the creative world around them. Students, based on the NCCAS Visual Standards, will create compositions throughout the semester all consisting of the main media of clay, hand built and thrown. Students use previous knowledge of design elements and principles to create exemplar pieces of art.

Materials Fee - \$25

Grade Level	Course Name	Number	Credits	Weight
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11-12      Ceramics II      2183      .5      Level I

Greensburg Central Catholic Ceramics II is a semester-long art class encourages high school students to embrace the influences of the creative world around them. Students, based on the NCCAS Visual Standards, will build on the knowledge and skills previously acquired in Ceramics 1 to gain more experience in 3-dimensional art making via the clay medium. New methods and skills used to build on prior knowledge include, subtractive carving, draping/slumping methods, abstract sculpture, and throwing on the pottery wheel. Students will be expected to learn proper responsibilities for helping and maintaining the ceramic studio.

Materials Fee - \$25

Grade Level	Course Name	Number	Credits	Weight
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11-12	Digital Photography	2301	.5	Level I
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Greensburg Central Catholic Digital Photography is a semester-long art class encourages high school students to embrace the influences of the creative world around them. Students, based on the NCCAS Visual Standards, use artistic qualities of photography to choose subject matter to shoot. Students will use found photos and teacher selected photos to critique “good” photography using the elements and principles of design. Students shoot landscapes, found objects, portraits, and abstract elements to create and final portfolio of photography. Program used for this course will be Adobe Photoshop and Lightroom.

Materials Fee - \$10 and the purchase of an SD Card

Grade Level	Course Name	Number	Credits	Weight
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11-12	Drawing	2171	.5	Level I
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Greensburg Central Catholic Drawing is a semester-long art class 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 explore 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.

Materials Fee - \$15

Grade Level	Course Name	Number	Credits	Weight
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11-12	Painting	2172	.5	Level I
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Greensburg Central Catholic Painting is a semester-long art class encourages high school students to embrace the influences of the creative world around them. Students, based on the NCCAS Visual Standards, who enjoy painting will improve skills, for beginner or accomplished student. Student begins with basic painting skills and explore a variety of painting mediums. Students cover landscape, portrait, still life, and abstract painting. Students learn to “see” more artistically and become more observant through practice.

Materials Fee - \$20

Grade Level	Course Name	Number	Credits	Weight
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11-12	AP Studio Art	2191	1	Level III
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Greensburg Central Catholic AP Studio is a year-long art class encourages high school students to embrace the influences of the creative world around them. The AP Studio Art Class is designed in alignment with the College Boards curriculum of a portfolio development in studio. The AP Studio Art portfolios are designed for students who are seriously interested in the practical experience of art. AP Studio Art is not based on a written exam; instead, students submit portfolios for evaluation at the end of the school year. The AP Studio Program consists of three portfolios – 2-D Design, 3-D Design, and Drawing – corresponding to the most common college foundation.

Prerequisite(s): Must obtain a full credit of Visual Art

Materials Fee - \$50 Drawing and 3-D, \$20 2-D Design

Grade Level	Course Name	Number	Credits	Weight
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11-12	AP Art History	2192	1	Level III
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Greensburg Central Catholic AP Art History is a year-long art class encourages high school students to embrace the influences of the creative world around them. The AP Art History Class is designed in alignment with the College Boards curriculum of a survey in Art History. AP Art History is designed to be the equivalent of an introductory college-level art history survey course. Students in the AP course should be engaged in visual and contextual analysis and critical thinking, learning to understand art within its historical and cultural contexts. An accomplished AP Art History student is expected to be familiar with a broad overview of art history.

Prerequisite(s): Art Appreciation

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Grade Level	Course Name	Number	Credits	Weight
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7	7 <sup>th</sup> Grade Music	2860	0	Level I
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A seventh-grade 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 and the arts and other academic areas.



Grade Level	Course Name	Number	Credits	Weight
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8                      8<sup>th</sup> Grade Music                      2960                      0                      Level I

An eighth-grade 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 and the arts and other academic areas.

Grade Level	Course Name	Number	Credits	Weight
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9                      Freshman Music                      2653                      .5                      Level I

This semester course offers a ninth-grade student 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.

Grade Level	Course Name	Number	Credits	Weight
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7-12                      Band                      2500                      1                      Level I

Instrumental Music provides the opportunity for concert band players to expand their musical abilities and perform a variety of music and to develop technical and musical skills through preparation and performance of quality literature. Students will explore a variety of music styles including classical, marches, jazz, Broadway and popular music. Since rehearsals and performances outside of class are limited, it is possible for students to participate in Instrumental Music and be involved in other school activities.

Grade Level	Course Name	Number	Credits	Weight
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9-12                      Honors Band                      2550                      1                      Level II

Students electing the honors option must complete additional projects per grading period. These projects could include additional study in music theory, music history, research or performance. Students electing this course must be prepared to achieve at the very highest level.

Grade Level	Course Name	Number	Credits	Weight
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7-8	7 <sup>th</sup> -8 <sup>th</sup> Chorus	2101	0	Level I
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The primary purpose of this ensemble is to provide an opportunity for Junior High School singers to develop their vocal and musical skills. Students will explore appropriate choral literature from the Renaissance, Classical, Romantic, Musical Theatre and Contemporary periods. They will develop basic vocal technique and music literacy and learn basic sight-reading skills.

Grade Level	Course Name	Number	Credits	Weight
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9-12	Chorus	2600	1	Level I
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The primary purpose of this ensemble is to provide an opportunity for any interested student to develop their vocal and musical skills. Students will explore choral literature from the Renaissance, Classical, Romantic, Musical Theatre and Contemporary genres. They will develop vocal technique and music literacy and learn basic sight-reading skills.

Grade Level	Course Name	Number	Credits	Weight
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9-12	Chamber Choir	2655	1	Level II
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The primary purpose of this ensemble is to provide an opportunity for serious choral singers to develop their musical skills. Students will explore challenging choral literature from the Renaissance, Classical, Romantic, Musical Theatre and Contemporary genres. They will develop music literacy and learn advanced sight-reading skills.

Prerequisite(s): Admission By Audition only

Grade Level	Course Name	Number	Credits	Weight
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7-12	String Ensemble	2510	1	Level I
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The strings class is for students to develop foundational knowledge and technical skills necessary in the performance of a stringed instrument. Major course objectives are:

- Develop an awareness of phrasing, dynamics, intonation, and balance
- Interpret conducting gestures and react accordingly
- Further develop aural understanding and pitch manipulation
- Properly perform major scales with appropriate range for instrument

- Perform appropriate grade level music,
- Demonstrate proper rehearsal, concert, and audience etiquette
- Initiate study in advanced string instrument technique (i.e. vibrato, shifting, etc)
- Recognize need for individual practice time outside of class
- Develop pride in accomplishments and build self-esteem

Grade Level	Course Name	Number	Credits	Weight
10-12	Guitar	2715	.5	Level I

Students will learn basic rhythmic and tonal skills through a popular medium. Through playing the guitar, students will learn basic music reading, guitar technique as well as develop their rhythmic and tonal abilities. This course will give the students the necessary skills for a lifetime of musical involvement.

Grade Level	Course Name	Number	Credits	Weight
10-12	World Drumming	2716	.5	Level I

World Drumming is a hand drumming course that explores the basics of African, Latin and Caribbean drumming. Students will perform on hand drums auxiliary instruments of varying styles and ethnic backgrounds. Students will gain the knowledge necessary to perform multicultural music as well as create their own original works and gain an appreciation of cultural diversity through the study of music.

Grade Level	Course Name	Number	Credits	Weight
11-12	CHS Music Theory	2720	.5	Level II

Students will have the opportunity to apply music theory fundamentals to arranging existing music for different contexts as well as original compositions. Areas of music theory to be covered include melody, harmony, dictation, rhythm, articulation, dynamics, texture and form as well as orchestration and arranging for instruments and voices.

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Grade Level	Course Name	Number	Credits	Weight
10-12	Theater Arts I	2800	.5	Level I

Through hands-on practice, students will develop communication skills through the preparation and performance of several monologues and scenes from both contemporary dramatic literature and Shakespeare. Students will also learn about the “behind the scenes” world of theatre production along with life skills such as group collaboration, following directions, self-discipline and responsibility.

Students will explore various aspects of technical theatre including set design and construction, lighting, costuming, make-up, prop construction, sound, stage management and marketing through the study of music.

Grade Level	Course Name	Number	Credits	Weight
10-12	Theater Arts II	2801	.5	Level II

Through hands-on practice, students will develop communication skills through the preparation and performance of several monologues and scenes from both traditional and contemporary literature and Shakespeare. Students will also learn about the “behind the scenes” world of theatre production along with life skills such as group collaboration, following directions, self-discipline and responsibility. Students will develop advanced skills in technical theatre including set design and construction, lighting, costuming, make-up, prop construction, sound, stage management and marketing. Students electing the honors option must complete additional projects per grading period. These projects could include additional study in drama, musical theatre, technical theatre, history, research or performance.

# MATH

Grade Level	Course Name	Number	Credits	Weight
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7	Math 7	4005	0	Level I
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Math 7 is designed to focus on rational numbers, their operations and their algebraic representations. This course will reinforce the use of mathematical operations with fractions, decimals and integers. This course will enable students to apply these skills to problem solving situations. Math 7 enables the student to practice both skill based problems, word problems, and multi-step problems. Math 7 provides the foundation that prepares the student to take Pre-Algebra.

Prerequisite(s): 6<sup>th</sup> grade math, teacher recommendation and qualifying core on the GCC placement test.

Grade Level	Course Name	Number	Credits	Weight
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7,8	Pre-Algebra	4007	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.

Prerequisite(s): 6th grade math, teacher recommendation and qualifying core on the GCC placement test. Or Math 7 grade 75% or better in 7th grade.

Grade Level	Course Name	Number	Credits	Weight
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8,9,10	Algebra I	4100	1	Level 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 future mathematics 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.

Pre-requisite: Pre-Algebra grade of 75% or better

Grade Level	Course Name	Number	Credits	Weight
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8,9	Honors Algebra I	4120	1	Level II
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The Diocese of Greensburg Honors 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 all future 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. This course is aligned to the NCTM and State Standards in order to prepare the students for college.

Prerequisite: Pre-Algebra grade of 95%, Teacher recommendation and a score of 92% or better on the GCC math placement exam

Grade Level	Course Name	Number	Credits	Weight
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9,10,11	Geometry	4200	1	Level 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, 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 grade of 75% or better

Grade Level	Course Name	Number	Credits	Weight
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9	Honors Geometry	4220	1	Level II
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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: Honors Algebra I grade of 95% and Teacher recommendation.

Grade Level	Course Name	Number	Credits	Weight
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10,11,12      Algebra II                      4300                      1                      Level I

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: Geometry grade of 75% or better

Grade Level	Course Name	Number	Credits	Weight
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9,10              Honors Algebra II                      4320                      1                      Level II

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: Honors Geometry grade of 95% and Teacher recommendation.

Grade Level	Course Name	Number	Credits	Weight
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10,11      Honors Trigonometry/Pre-Calculus      4600                      1                      Level II

This course is an accelerated presentation of the foundations necessary for a mature course in calculus. Topics covered are the algebra of real numbers, analytic geometry, trigonometry, and the study of elementary functions (including quadratic, polynomial, inverse, exponential and logarithmic functions). Concepts of the limit of a function and derivatives will be briefly presented in this course.

Prerequisite: Honors Algebra II grade of 95% and Teacher recommendation.

Grade Level	Course Name	Number	Credits	Weight
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11,12      College Algebra      4340      .5      Level I

College Algebra is a 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: Trigonometry grade of 85% or better.

Grade Level	Course Name	Number	Credits	Weight
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11,12      Trigonometry      4500      .5      Level I

This one semester course is the study of 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 grade of 85% or better.

Grade Level	Course Name	Number	Credits	Weight
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12      Introduction to Calculus      4610      1      Level I

This course is intended to introduce students who have successfully completed Trigonometry and College Algebra to Calculus. Topics included in this course would be: limits, continuity, differentiation, and integration, applications of derivatives and applications of integration.

Prerequisite: Trigonometry and College Algebra grade of 85% or better and teacher recommendation.

Grade Level	Course Name	Number	Credits	Weight
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11,12      CHS Pitt Calculus      4620      1      Level III

The aim of the calculus course is to present an enriched course in differential and integral calculus. Included in the course are sections on limits, continuity, differentiation, differentials, Mean Value Theorem, applications of derivatives, integration the definite integral, partial differentiation, and applications of integration.

Prerequisite: Advanced Trigonometry and Pre-Calculus grade of 85% or better, qualifying score on ALEKS Test and Teacher recommendation.

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Grade Level	Course Name	Number	Credits	Weight
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12	Calculus II	4630	1	Level II
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This is a course 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, Probability, Differential Equations, Series and Sequences.

Prerequisite: Pitt Calculus grade of 85% or better and Teacher recommendation.

Grade Level	Course Name	Number	Credits	Weight
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12	Probability and Statistics	4710	.5	Level I
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This one semester course uses a high level of mathematical precision to explore descriptive statistics, statistical inference, probability distributions, correlation and regression. Topics include measures of location (mean, median, and mode), measures of variation (range and standard deviation), and probability functions.

# PHYSICAL EDUCATION/HEALTH

Grade Level	Course Name	Number	Credits	Weight
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10	Health	5153	.5	Level I
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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, 9th and 12th grade, and is in line with the teachings and values of the Roman Catholic Church.

Grade Level	Course Name	Number	Credits	Weight
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7	Physical Education	5250	0	Level 1
8	Physical Education	5260	0	Level 1
9	Physical Education		.5	Level 1

# RELIGION

Grade Level	Course Name	Number	Credits	Weight
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7	Religion 7	6007	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	Number	Credits	Weight
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8	Religion 8	6008	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	Number	Credits	Weight
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9	Revelation of Jesus Christ in Scripture	6101	.5	Level 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 they 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	Number	Credits	Weight
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9	Who is Jesus Christ?		.5	Level 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.

Grade Level	Course Name	Number	Credits	Weight
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10      The Mission of Jesus Christ      .5      Level I

The 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	Number	Credits	Weight
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10      Jesus Christ's Mission Continues      .5      Level I

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	Number	Credits	Weight
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11      Sacraments as Privileged Encounters      .5      Level I

The purpose of this course is to help students understand that they can encounter Christ today in a full and real way in and through the sacraments, and especially through the Eucharist. Students will examine each of the sacraments in detail so as to learn how they may encounter Christ throughout life.

Grade Level	Course Name	Number	Credits	Weight
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11      Life in Jesus Christ      8120      .5      Level I

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	Number	Credits	Weight
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12 Living as a Disciple of Jesus Christ 6402 .5 Level I

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.

Grade Level	Course Name	Number	Credits	Weight
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12 Responding to the Call of Jesus Christ 6401 .5 Level I

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	Number	Credits	Weight
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12 CHS World Religions 6404 .5 Level II

This course is a comparative religions study, and explores the major world religions: Christianity, Islam, Hinduism, Buddhism, and other religions of China and Japan. The course examines the origins of religion and faith in order to define and describe them as human phenomena. A survey of the primal religions practiced by the Australian Aborigine, Native American, African Yoruba, and Mesoamerica serve as an introduction to the dimensions of religion. The intended outcome is to deepen the students' understanding of the profound influence which religion has demonstrated in shaping human culture and in expressing human needs. A multiple intelligence approach will be applied to the development and presentation of instructional material.

CHS – Saint Vincent, Seton Hill

# SCIENCE

Grade Level	Course Name	Number	Credits	Weight
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7	Science 7	7007	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 world view.

Grade Level	Course Name	Number	Credits	Weight
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8	Science 8	7008	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 world view. 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	Number	Credits	Weight
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8	Honors Science 8	7020	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. Emphasis will be placed on the study of mathematical concepts associated with these concepts. 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 will have hands-on laboratory opportunities to enhance the Physical science curriculum during which, they are expected to demonstrate understanding of several engineering practices including design and evaluation.

Grade Level	Course Name	Number	Credits	Weight
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9	Biology	7100	1	Level 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 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 particular 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	Number	Credits	Weight
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9	Honors Biology	7120	1	Level II
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The students in Honors Biology complete a course in biology emphasizing the unifying concepts between all areas of biology. Cellular, biochemical, genetic, evolutionary and environmental 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, and interpretative skills. The lab work allows the student to further his/her knowledge of particular topics already discussed in class or a topic new to the student. Concepts learned in honors biology are connected to real world applications and students analyze the Catholic viewpoint concerning the bioethical dilemmas facing the citizens of the world today.

Grade Level	Course Name	Number	Credits	Weight
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10,11	Chemistry	7210	1	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 world view. 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.

Grade Level	Course Name	Number	Credits	Weight
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10	Honors Chemistry	7220	1	Level II
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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 world view. The Honors Chemistry course covers the same units as Chemistry, but in a more comprehensive manner and at a faster pace. The mastery of the Honors Chemistry content requires integration, application, and mastery of other curricula areas including mathematics and language arts. Many algebraic concepts, particularly in one-variable equation manipulation, are utilized throughout the chemistry units. Effective reading and writing strategies are required for success in this course. 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, computations, concept writing and substantive classroom discussion.

Grade Level	Course Name	Number	Credits	Weight
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11,12	Physics	7310	1	Level I
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This class is intended for those students not planning to pursue study in a science, technology, engineering or math, (STEM) field in college. While less mathematically rigorous than either Honors or Advanced Physics, it is well aligned to the Next Generation Science Standards (NGSS) in physics, so we recommended that the student have taken or is taking concurrently algebra II. Math concepts that are employed will be developed to a sufficient level in class as needed. The course concentrates on conceptual development and provides an enriching laboratory experience. The class focuses on a broad array of concepts including: Newtonian mechanics, work, energy, power, electrostatics and elementary resistive circuits, solid state electronics, magnetism and quantum mechanics.



Grade Level	Course Name	Number	Credits	Weight
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11,12	CHS Physics	7300	1	Level II
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This class will challenge students to apply mathematical principles to explain physical phenomena. Honors Physics is a trigonometry/algebra based, introductory, college-level physics course aligned with the AP Physics-1 curriculum. This course is designed for students wishing to pursue a college degree in the biological (including medicine), social, behavior sciences, or law. It is strongly recommended that the student have taken or is taking concurrently trigonometry, although all trigonometry that is employed will be developed to a sufficient level in this class as needed. The course focuses on a broad array of concepts including: Newtonian mechanics, work, energy, power, linear momentum, fluid dynamics, thermodynamics, waves, electrostatics and elementary resistive circuits. The concepts investigated are reinforced through laboratory work aimed at developing the student's problem solving, observational, and interpretive skills.

CHS – Saint Vincent

Grade Level	Course Name	Number	Credits	Weight
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11,12	CHS Pitt Physics	7320	1	Level III
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This class will focus on physical concepts and how they fit together to provide a coherent description of physical phenomena. The survey of topics encountered in this course is purposefully aligned to the mechanics portion of the AP Physics-C curriculum or equivalently to a first semester, introductory-level college physics course. This course is especially appropriate for students planning to specialize or major in physical science or engineering. Emphasis is on the nature and proper application of physical laws within a calculus framework, as well as on the development of problem solving and laboratory skills. It is required that the student have taken and successfully completed (grade > 85%) trigonometry and have completed or is concurrently enrolled in calculus. All mathematical concepts that are necessary for students to be successful will be reviewed to a sufficient level in class. The course concentrates on the study of mechanics including: motion; force; energy; power; momentum; gravitation; simple harmonic motion; thermodynamics; rigid-body dynamics; kinetic theory of gases; mechanical waves and sound. Advanced Physics is accredited through the University of Pittsburgh as a College in High School (CHS) course, equivalent to AP status.

CHS – University of Pittsburgh

Grade Level	Course Name	Number	Credits	Weight
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10,11,12    Environmental Science                      7400                      1                      Level I

This class is intended 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.

Grade Level	Course Name	Number	Credits	Weight
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11,12    CHS Anatomy and Physiology                      7500                      1                      Level II

This course is designed to expand the basic knowledge of human Anatomy and Physiology for the student that wishes to learn about their body or further develop their interest or possible application toward a future health care related field. Students should have taken biology and chemistry (recommended) prior to selecting this elective.

CHS – Mount Aloysius

Grade Level	Course Name	Number	Credits	Weight
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11,12                      AP Biology                      7600                      1                      Level III

AP Biology is an introductory college-level biology course. Students cultivate their understanding of biology through inquiry-based investigations as they explore the following topics: evolution, cellular processes — energy and communication, genetics, information transfer, ecology, and interactions (taken from the AP Biology website). Students will take the AP Biology test in May.

CHS – Seton Hill, Mount Aloysius

Grade Level	Course Name	Number	Credits	Weight
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11,12	CHS Chemistry	7650	1	Level II
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Advanced Chemistry is a general college level inorganic course designed for students majoring in Biology, Chemical Engineering, Pre-Med and other science related fields, requiring rigorous scientific preparation. The course is designed to develop strong analytical and thinking skills. Students will take the AP test in May.

CHS – Seton Hill, Mount Aloysius

Grade Level	Course Name	Number	Credits	Weight
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11,12	Introduction to Engineering (STEM)	7700	.5	Level I
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The course investigates the engineering process and its relationship to the scientific method. It introduces students to the range of engineering disciplines and explores the “design space” as an alternative to traditional single-correct solution course work. Students undergo computer aided design (CAD) emersion using the Autodesk Inventor software tool. It is a project-based curriculum where students are encouraged to explore the software package on their own with faculty guidance. Traditional instruction is limited – stressing only the fundamentals required to allow students to work projects on their own. The class is also goal oriented and teaches the role of mechanical design in the engineering world. Students present a design package to their peers in a simulated design review.

Grade Level	Course Name	Number	Credits	Weight
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11, 12	Forensic Science (STEM)	4005	.5	Level I
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The course is designed for students who would like to learn about forensic chemistry and the basic science needed to understand it. Topics will include: the methods used in forensic evidence collection, processing, and crime scene reconstruction; blood-spatter investigation, hair evidence identification and analysis techniques, fiber collection, evaluation and identification, glass identification using density and index methods, fingerprints analysis on porous and non-porous surfaces. Students have the opportunity to participate in a weekend (one day) crime scene and a field trip to the Allegheny County Medical Examiner’s office. Students engage in laboratory activities that align to the aforementioned topics and view documentary case files where evidence aligned to the topic is used to solve a case.

Grade Level	Course Name	Number	Credits	Weight
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11,12	Medical Perspectives (STEM)	5160	.5	Level I
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This course is designed to familiarize students with various medical and health care related career paths. Students learn about medical terminology, anatomy and physiology, medical equipment and procedures as they pertain to medicine and health care careers. Students also identify legal and ethical responsibilities and considerations in the healthcare industry. Students then explore various medical and health related careers through guest lectures, shadowing opportunities, observation of live surgery and hands-on simulated medical opportunities at the STAR Simulation Center (Allegheny Health Network). Students become certified in CPR/First Aid/AED through the American Heart Association. At the completion of this semester course, students acquire many skills necessary for their future medical or healthcare career pathway.

# SOCIAL STUDIES

Grade Level	Course Name	Number	Credits	Weight
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7	Social Studies 7	8007	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 and projects, and presentations.

Grade Level	Course Name	Number	Credits	Weight
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8	Social Studies 8	8008	0	Level I
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United States History 1865 to present.

Student will continue their journey through United States history from the previous year. Students will continue to investigate, analyze, and interpret historical concepts and event that shapes the United States of America. Topics of interest include Reconstruction in the South, American Imperialism, World War I, Political and Economic changes of the 1920-30s, World War II, Cold War, Civil and Women’s Rights Movement and the analysis of the impact of technology on American society. Evaluations will take several forms including but not limited to written exams, papers and projects, and power points.

Grade Level	Course Name	Number	Credits	Weight
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9	World History I	8120	1	Level I
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World History I is a one credit full year course offered Freshmen 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	Number	Credits	Weight
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10	World History II	8220	1	Level I
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World History II is a one credit full year course offered sophomores 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	Number	Credits	Weight
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10	Honors World History II	8225	1	Level II
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Honors World History II is a one credit full year course offered sophomores at Greensburg Central Catholic High School. In Honors 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 will be explored as humans act and interact to create history.

Prerequisite(s): 93% minimum average in their previous social studies course and a score of 50 or above in the Critical Reading and Writing Skills sections of the PSAT exam. In the event the PSAT exam, has not been taken, a 93% minimum average in their previous social studies course and possess a score on the Stanford Test at or above the 90th percentile in Reading and Comprehension

Grade Level	Course Name	Number	Credits	Weight
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11	American History	8320	1	Level 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 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 that is 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 on the basis of 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.

Grade Level	Course Name	Number	Credits	Weight
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11	Honors American History	8325	1	Level II
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Honors American History is an advanced one-year course in the study of the cultural, economic, political, social, and ethnic growth of the United States from the Colonial period to the present time. The course presents aspects of American life, including: behavior patterns, values, beliefs, ideas, ideals, the various institutions established, and the numerous commitments made during the past. Major activities of each period are brought together in units to provide a broad approach to each era. These activities help the student to explore the development of literature, art and architecture of the American people. The study provides the student with the opportunity to survey our accomplishments in transportation, to examine our financial advancements and recessions, to evaluate our acceleration of scientific and technological achievements, and to become aware of our political, military, social and cultural progress.

Grade Level	Course Name	Number	Credits	Weight
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11	AP United States History	8303	1	Level III
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AP U.S. History is a yearlong, two-semester course designed to provide high school juniors with the factual knowledge, writing competency, and critical thinking skills necessary for successful performance in a college level, American history course. Students will study the chronological development of the United States from colonial America to the modern time. Students need to have a sincere commitment to learning a comprehensive history of the country's social, economic, geographical, and political evolution. The course places special emphasis on the following areas of concentration: American identity, cultural diversity, patterns of immigration, political change, social reform, and economic growth. Content learning objectives for this course are defined by seven overarching themes of historical enquiry: identity; work, exchange, and technology; peopling; politics and power; America in the world; environment and geography—physical and human; and ideas, beliefs, and culture. Students will be expected to develop skills that demonstrate proficiencies in chronological reasoning, comparison and contextualization, historical argumentation, and historical interpretation and synthesis. Good reading and writing skills as well as the self-discipline to work with large amounts of material are requisites for the course. Students will practice the writing components of the AP College Board program that include the Short-Answer Questions, the Document Based Question essay, and the Long Essay Question; in addition, they will be expected to complete a research paper that complies with the MLA standards of writing and documentation.

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Grade Level	Course Name	Number	Credits	Weight
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12	Civics and World Citizenship	8410	.5	Level 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 citizens 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.

Grade Level	Course Name	Number	Credits	Weight
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12	Global Perspectives	8390	.5	Level I
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Current Global Issues and Perspectives is designed to engage students in investigation of current global, national, and regional issues. Students will research and evaluate news events of interest and importance. The basic goal for this course is for students to become more knowledgeable about current global, and local issues, and to move toward being a globally competent citizen.

Grade Level	Course Name	Number	Credits	Weight
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11, 12	Economics	8420	.5	Level I
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Economics: New Ways of Thinking is a practical approach to the study of economics. The material used in class incorporates the Voluntary National Content Standards in Economics which includes the following groups involved in American Education. The National Council on Economic Education, the Foundation for Teaching Economics, the National Association of Economic Educators, and the American Economic Association's Committee on Economic Education all contribute to the materials used in the classroom. Topics include Introduction to Economics, The Basics including Supply and Demand, Curves, Microeconomics, and Macroeconomics topics will be covered in this one semester course. Students will work with business and be introduced to and work with information and guest speakers provided through Junior Achievement.



Grade Level	Course Name	Number	Credits	Weight
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11, 12	Psychology	8440	.5	Level I
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The course in Psychology is introductory, dealing mainly with human behavior and feelings associated with everyday life. Various subjects, such as the learning process, the working of the mind and human development are covered. Films and discussions aid, the student in seeking a greater awareness of himself and, the world around him.

Grade Level	Course Name	Number	Credits	Weight
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12	AP Psychology	8441	1	Level III
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The systematic and scientific study of the behavior and mental processes of humans and nonhumans serves as the focus and guiding principle for this course. New psychological concepts, methodologies, philosophies, and applications are introduced. Rigorous and frequent tests and quizzes of various forms ensure both valid assessment of student progress and reinforcement of critical ideas. College writing and research skills are developed, applied, and assessed through research papers written in American Psychological Association (APA) format (both semesters), literature critiques, and a year-long research project.

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# WORLD LANGUAGE

Grade Level	Course Name	Number	Credits	Weight
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7	Introduction to World Language	3100	0	Level I
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This course presents an introduction to French, German and Spanish by stressing mastery of basic functions of communication, including vocabulary, basic grammar, culture and also shows how each language enhances understanding of the English language.

Grade Level	Course Name	Number	Credits	Weight
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8-12	French I	3210	1	Level I
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French I is designed to introduce basic linguistic proficiency whereby the student will develop a broader understanding of the French culture. Basic grammar and vocabulary are presented and incorporated throughout oral dialogues and readings.

Grade Level	Course Name	Number	Credits	Weight
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9-12	French II	3220	1	Level I
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French II focuses on increased linguistic proficiency with emphasis on reading and speaking. In addition to new grammatical structures, practice of basic structures is also included. The themes for the year center around French institutions and daily life activities.

Grade Level	Course Name	Number	Credits	Weight
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10-12	French III	3230	1	Level I
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French III strongly emphasizes oral communication. More complex structures are included to develop better communication and to serve as an instrument for broadened listening and reading comprehension.

Grade Level	Course Name	Number	Credits	Weight
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11-12	French IV	3240	1	Level II
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French IV uses a co-operative learning model where students work in pairs and small groups to practice both written and oral sentence structures. Students will communicate independently in the target language.

Grade Level	Course Name	Number	Credits	Weight
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12	French V	3250	1	Level II
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Students will develop an advanced proficiency in all areas of foreign language: reading, writing, listening, and speaking. There is a strong emphasis on reading, writing, and advanced grammar structures. Students read and summarize modern French literature through creative projects. Students develop a better understanding of French culture through current events.

Grade Level	Course Name	Number	Credits	Weight
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8-12	German I	3310	1	Level I
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Contemporary German is taught using a notional-functional syllabus, stressing mastery of basic functions of communication, as well as grammar, vocabulary and culture. Students are expected to acquire an acceptable proficiency in *listening to, speaking, reading* and *writing* basic German.

Grade Level	Course Name	Number	Credits	Weight
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9-12	German II	3320	1	Level I
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Contemporary German is taught using a notional-functional syllabus, stressing mastery of basic functions of communication, as well as grammar, vocabulary and culture. Students are expected to acquire an acceptable proficiency in *listening to, speaking, reading* and *writing* basic intermediate German.

Grade Level	Course Name	Number	Credits	Weight
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10-12	German III	3330	1	Level I
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Contemporary German is taught using a notional-functional syllabus, stressing mastery of intermediate functions of communication, as well as grammar, vocabulary and culture, with more emphasis on conversation and composition. Students are expected to acquire an acceptable proficiency in *listening to, speaking, reading* and *writing* intermediate level German. Students will also record oral exercises.

Grade Level	Course Name	Number	Credits	Weight
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11-12	German IV	3340	1	Level II
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Contemporary German is taught using a notional-functional syllabus, stressing mastery of advanced functions of communication, as well as grammar, vocabulary and culture, emphasizing better fluency levels and composition skills. Students are expected to acquire an acceptable proficiency in *listening to, speaking, reading and writing* advanced intermediate German. Students will also record oral exercises.

Grade Level	Course Name	Number	Credits	Weight
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12	German V	3350	1	Level II
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German V completes grammar study and emphasizes near-native conversational fluency and writing skills of contemporary German, as well as more advanced vocabulary and culture. Students are expected to acquire an acceptable proficiency in *listening to, speaking reading and writing* advanced-level German. Students will also record oral exercises.

Grade Level	Course Name	Number	Credits	Weight
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8-12	Spanish I	3410	1	Level I
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Spanish I serves as the foundation for subsequent levels of Spanish by focusing on meeting the ACTFL and Pennsylvania state standards for foreign language learning, including *communication, culture, connections, comparisons and communities*. Basic proficiency in *listening to, speaking, reading and writing* are stressed.

Grade Level	Course Name	Number	Credits	Weight
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9-12	Spanish II	3420	1	Level I
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Spanish II continues to build the foundation for subsequent levels of Spanish by focusing on meeting the ACTFL and Pennsylvania state standards of foreign language learning, which include *communication, culture, connections, comparisons and communities*. Basic proficiency in *listening to, speaking, reading and writing* continue to be stressed.

Grade Level	Course Name	Number	Credits	Weight
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10-12	Spanish III	3430	1	Level I
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Spanish III is taught using a notional-functional syllabus, stressing mastery of basic communicative functions, as well as grammar, vocabulary and culture. Students will acquire acceptable proficiency in listening to, speaking, reading and writing of beginning intermediate level Spanish.

Grade Level	Course Name	Number	Credits	Weight
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11,12	Spanish IV	3440	1	Level II
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Spanish IV is taught using a notional-functional syllabus, stressing mastery of basic communicative functions, as well as grammar, vocabulary and culture. Students will acquire acceptable proficiency in listening to, speaking, reading and writing of intermediate Spanish. A major objective of Spanish IV-honors is to provide each student the skills necessary to successfully complete a college placement test as well as a college level Spanish course.

Grade Level	Course Name	Number	Credits	Weight
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12	CHS Spanish V	3450	1	Level II
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Spanish V is taught using a functional syllabus, stressing mastery of communicative functions, grammatical structure reviews, vocabulary and cultural strengthening. Students will acquire acceptable proficiency in listening to, speaking, reading and writing of intermediate-advanced Spanish.

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