

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



PROGRAM OF  
STUDIES  
2025-2026

# Table of Contents

Technology .....	6
English .....	8
Fine Arts.....	15
Math .....	22
Physical Education/Health .....	28
Religion.....	29
Science .....	32
Social Studies.....	40
World Language.....	46

## GRADUATION REQUIREMENTS

A student must earn a minimum of 28.5 credits of passing course work in order to receive a Greensburg Central Catholic High School diploma. Student Service Hours **must be completed** to be eligible for a Greensburg Central Catholic diploma. Transfer students are evaluated on an individual basis by the Administration. It is the responsibility of every student to know if his/her credits will meet the graduation requirements. To be eligible for graduation, all students attending Greensburg Central Catholic Junior-Senior High School must fulfill the following requirements:

Course	Credit	Course	Credit
English	4	Physical Education	1
Fine Arts	2	Religion	4
Foreign Language (2 yr. same language)	2	Science (Required: Biology, Chemistry)	3
Health	.5	Social Studies	4
Mathematics (Required: Alg. I, Geometry, Alg. II)	3	Electives	5
<b>Total</b>		<b>28.5</b>	

- Please Note: All AP Courses will be limited in class size and preference will be given to Seniors. All students enrolled in an AP Course MUST take the AP Exam (Fee is \$98).
- Students must have 3 credits in math grades 9-12 with a minimum completion of Algebra I, Geometry, and Algebra II.
- Students must have 3 credits in science grades 9-12 with a minimum completion of Biology and Chemistry.
- Students must schedule 7 credits each year in grades 9-12. Approved work release for seniors and approved school release will be reviewed on an individual basis.
- Personal Finance is a mandatory graduation requirement beginning for the class of 2029.

## DUAL ENROLLMENT (GCC AND CWCTC) GRADUATION REQUIREMENTS

**New for the 2025-2026 school year**, Greensburg Central Catholic Junior-Senior High School is partnering with Central Westmoreland Career & Technology Center (CWCTC). Central Westmoreland Career & Technology Center offers vocational skill training and academic course work for secondary students from 10 sending districts. Upon completion of their program of study, secondary students enter the workforce or continue onto a post-secondary institution. CWCTC is committed to helping all students become lifelong learners to keep pace with the changes in technology which will permit them to remain competitive in a highly complex work environment and to contribute to our region's economic growth. CWCTC offers numerous programs with opportunities to earn industry certifications/credentials and articulated credits for higher education.

Students who attend CWCTC will fulfill their GCC graduation requirements by combining in-person classes at GCC and asynchronous courses through Catholic Virtual in their Junior and Senior year.

GCC Juniors and Seniors attending for the 2025-2026 school year will be transported by bus from GCC at 7:35 am to CWCTC. Students will return to GCC at approximately 10:50 am, have lunch and resume in-person classes at GCC beginning at 11:30 am. Students are permitted to provide their own transportation to and from CWCTC (prior permission from CWCTC is required).

**GCC Junior and Senior students who live in the following school districts\* are eligible to attend the CWCTC program:**

Hempfield                      Mount Pleasant  
 Belle Vernon                Norwin  
 Frazier                        Penn-Trafford  
 Greensburg Salem        Southmoreland  
 Jeannette                     Yough

\*These school districts already have a relationship with CWCTC and the CWCTC tuition for any student residing in these school districts is paid by the school district.

Course	Credit	Course	Credit
English	4	Physical Education	1
Fine Arts <i>*Satisfied by some programs at CWCTC</i>	2	Religion <i>*Catholic Virtual Option Available</i>	4
Foreign Language <i>(2 yr. same language)</i> <i>*Catholic Virtual Option Available</i>	2	Science <i>(Required: Biology, Chemistry)</i>	3
Health	.5	Social Studies	4
Mathematics <i>(Required: Alg..I, Geometry, Alg. II)</i>	3	Electives <i>*Satisfied after 2 yr at CWCTC</i>	5
<b>Total</b>		<b>28.5</b>	

- Please Note: All AP Courses will be limited in class size and preference will be given to Seniors. All students enrolled in an AP Course MUST take the AP Exam (Fee is \$98).
- Students must have 3 credits in math grades 9-12 with a minimum completion of Algebra I, Geometry, and Algebra II.
- Students must have 3 credits in science grades 9-12 with a minimum completion of Biology and Chemistry.

## **CHS Off-Campus**

Beginning in 2025-2026 school year, students interested in taking courses not offered at GCC for credit and counting towards QPA during the school year off-campus at a local college are responsible for submitting the course syllabus to guidance for approval by August 15. If the course is approved, the individual is responsible for submitting an **official** transcript to the guidance office by May 15. If transcripts are received by this date, the courses with a passing grade of 70% or above will receive credit for the current school year and be counted in the QPA. Students are not permitted to schedule more than 8 total classes per semester.

## **College in High School (CHS)**

Learn how your student may be able to purchase college credits through their CHS class and from which universities. Read about CHS vs. AP, general CHS information, how to register, credit costs, and the college deadlines. The first deadline is October 7<sup>th</sup> for Mount Aloysius, Seton Hill's registration opens on September 25<sup>th</sup> and closes on October 31<sup>st</sup>. Saint Vincent registration deadline is October 11<sup>th</sup> and Saint Francis closes on October 14<sup>th</sup>.

# TECHNOLOGY

Grade Level	Course Name	Number	Credits	Weight
-------------	-------------	--------	---------	--------

7,8	Maker Space	0645	0	Level I
-----	-------------	------	---	---------

The Greensburg Central Catholic 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 (a.k.a. engineering design, design method, cycle of design; closely related to the scientific method) as a locus. Students will be given challenges and 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
-------------	-------------	--------	---------	--------

10,11,12	Computer Programming	4720	.5	Level I
----------	----------------------	------	----	---------

The Greensburg Central Catholic Computer Programming I class serves as an introduction to computer programming. Students wanting to pursue careers or hobbies in computer programming, computer science, or robotics will learn some of the basics of those fields in this class. Students will be exposed to pseudocode, block-based coding languages, and text-based coding languages, and will learn some of the most basic functions of each. Students will also be exposed to alternate operating systems and complete some basic computer science tasks on that operating system, particularly command line tasks.

During this course, students will be challenged to solve many problems. Sometimes those problems will have a correct solution; at other times, students will be required to think creatively to solve a problem. At times, students will be put into groups to complete classwork, and will complete work on their own at other times.

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
-------------	-------------	--------	---------	--------

10,11,12	Robotics	4721	.5	Level I
----------	----------	------	----	---------

The Greensburg Central Catholic Robotics class is a one-semester course that will continue the programming education with a focus on physical application through the lens of robotics. Students will explore the definitions of robots and compare paradigms of robotics. Students will construct, program, and test several different types of robots, and will be exposed to robots in the manufacturing world, using them to produce personalized items.

Prerequisites: Computer Programming

Grade Level	Course Name	Number	Credits	Weight
-------------	-------------	--------	---------	--------

11,12	Cybersecurity	4722	.5	Level II
-------	---------------	------	----	----------

The Greensburg Central Catholic Cybersecurity class is a one-semester course looking at how devices connect and interact with each other. The course will explore different paradigms and principles of cybersecurity, the individuals involved in cybercrime and security, and many kinds of network attacks and defenses. In addition to learning about this material, students will apply these principles in a variety of different classroom activities.

Prerequisites: 90% or higher in Computer Programming and Teacher Recommendation

Grade Level	Course Name	Number	Credits	Weight
-------------	-------------	--------	---------	--------

11,12	AP Computer Science Principles	4725	1	Level III
-------	--------------------------------	------	---	-----------

The Greensburg Central Catholic Advanced Placement Computer Science Principles course will examine aspects of computer science, grammatical thought, and device connectivity. This is a one-year 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.

Because this is aligned to the College Board's AP Computer Science Principles curriculum, it is organized around the five Big Ideas put forward by the College Board: Creative Development, Data, Algorithms and Programming, Computing Systems and Networks, and Impact of Computing. Students will also be expected to use the six Computational Thinking Practices: computational solution design, algorithms and program development, abstraction in program development, code analysis, computing innovations, and responsible computing. Furthermore, being an Advanced Placement course, this course is designed to educate students at a collegiate level. This level of learning is reflected in both the content and in the makeup of the AP exam at the end of the year.

Prerequisites: Computer Programming



Grade Level	Course Name	Number	Credits	Weight
-------------	-------------	--------	---------	--------

8	Honors English 8		0	Level II
---	------------------	--	---	----------

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. Honors English 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.

Prerequisites:

95% or higher for each of the first three quarters in English 7 and Literature 7.

Grade Level	Course Name	Number	Credits	Weight
-------------	-------------	--------	---------	--------

9	Foundations of World Literature	1100	1	Level I
---	---------------------------------	------	---	---------

Foundations of World Literature emphasize the study and analysis of literature, including novels, 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
-------------	-------------	--------	---------	--------

9	Honors Foundations of World Literature	1102	1	Level II
---	--	------	---	----------

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 novels, 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.

Prerequisites:

Literature 8/English 8/Honors English 8: 87% or higher for each of the first three quarters OR a mean percentage of 90% or higher for the first three quarters.

Grade Level	Course Name	Number	Credits	Weight
-------------	-------------	--------	---------	--------

10	World Literature	1200	1	Level I
----	------------------	------	---	---------

This course is designed as a progression from Foundations of World Literature. Critical analyses of short stories, novels, drama, poetry, and literary nonfiction are integral components of the course. Students compose clear, concise, organized, and effective writing in response to various prompts; 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
-------------	-------------	--------	---------	--------

10	Honors World Literature	1202	1	Level II
----	-------------------------	------	---	----------

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.

Prerequisites:

Students enrolled in Honors Foundations of World Literature: Final quarter grades of 87% or higher for each of the first three quarters OR a mean percentage of 90% or higher for the first three quarters.

Students enrolled in Foundations of World Literature: Final quarter grades of 95% or higher for each of the first three quarters.

Grade Level	Course Name	Number	Credits	Weight
-------------	-------------	--------	---------	--------

11	American Literature	1300	1	Level I
----	---------------------	------	---	---------

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

Grade Level	Course Name	Number	Credits	Weight
-------------	-------------	--------	---------	--------

11	Honors American Literature	1302	1	Level II
----	----------------------------	------	---	----------

Honors 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, 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.

Prerequisites:

Students enrolled in Honors World Literature: Final quarter grades of 87% or higher for each of the first three quarters OR a mean percentage of 90% or higher for the first three quarters.

Students enrolled in World Literature: Final quarter grades of 95% or higher for each of the first three quarters.

Grade Level	Course Name	Number	Credits	Weight
-------------	-------------	--------	---------	--------

12	Foundations of Western Literature	1400	1	Level I
----	-----------------------------------	------	---	---------

Foundations of Western Literature is a yearlong course that is a survey of Western culture’s literary heritage with a special emphasis on the history of British literature. The course includes selections from the Old English and Medieval Periods, the English Renaissance, the Seventeenth and Eighteenth centuries, the Romantic Period, the Victorian Period, and the Modern to Postmodern periods that represent the religious, cultural, and political influences on Great Britain’s literary history. The beginning of the school year addresses students’ needs as they engage in the college admissions process with a focus on writing the college essay. Throughout the course, students analyze various genres of Western literature for purpose, meaning, and method of construction; communicate effectively in sundry literary forms; improve and refine vocabulary and grammar skills; compare and contrast the effectiveness of various literary forms; assess how authors employ numerous specific literary techniques in terms of purpose and effectiveness. In preparation for the expectations of writing on the collegiate level, students engage in all aspects of the research writing process that include proposing a working thesis, gathering information, documenting sources, organizing ideas, drafting a manuscript, and editing and revising a manuscript to bring it to its final presentation.

Grade Level	Course Name	Number	Credits	Weight
-------------	-------------	--------	---------	--------

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.

Prerequisites:

Students enrolled in Honors American Literature: Final quarter grades of 87% or higher for each of the first three quarters OR a mean percentage of 90% or higher for the first three quarters

Students enrolled in American Literature: Final quarter grades of 95% or higher for each of the first three quarters.

Grade Level	Course Name	Number	Credits	Weight
-------------	-------------	--------	---------	--------

12 AP English Literature and Composition 1405 1 Level III

The Advanced Placement (AP) English Literature and Composition course is a rigorous, college-level literature course focused on the critical reading and analysis of literary works across various time periods and cultures. The course explores fiction in its many forms – including novels, short stories, drama, and poetry – encouraging students to examine the artistic choices writers make and the techniques they employ to convey meaning and achieve their purpose. Writing is a fundamental component of the course, with students crafting a range of literary analysis and argumentative essays, culminating in an in-depth literary research paper. Ultimately, AP English Literature and Composition equips students with the analytical skills and confidence needed to engage with complex texts. It also prepares students for the demands of college-level writing. *All students are required to take the AP Exam in May. CHS Option.*

Prerequisites:

Students enrolled in AP English Language and Composition (11): Final quarter grades of 85% or higher for each of the first three quarters OR a mean percentage of 88% or higher for the first three quarters.

Students enrolled in Honors American Literature: Final quarter grades of 90% or higher for each of the first three quarters OR a mean percentage of 93% or higher for the first three quarters plus teacher recommendation.

Students enrolled in American Literature: Final quarter grades of 95% or higher for each of the first three quarters, a writing sample, and teacher recommendation.

Grade Level	Course Name	Number	Credits	Weight
-------------	-------------	--------	---------	--------

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 personal narrative, short story, poetry, and play writing.

Grade Level	Course Name	Number	Credits	Weight
-------------	-------------	--------	---------	--------

10, 11,12 Public Speaking 1860 .5 Level I

This course is designed for students who wish to develop and refine oral presentation skills. Students actively examine the principles of stage fright, listening, communication process, and history of the English Language, 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 speech.

Grade Level	Course Name	Number	Credits	Weight
-------------	-------------	--------	---------	--------

10,11,12      Television Production      0620      .5      Level 1

Television Productions introduces students to the basic elements of video capturing, editing, and studio productions. Theory and practice will be taught in a practical application for those students who would like to pursue knowledge of video production. This course requires students to participate in all aspects of filming and editing including using a video camera and acting in self-produced films. Students will participate in filming and distributing video announcements across the school.

Grade Level	Course Name	Number	Credits	Weight
-------------	-------------	--------	---------	--------

10,11,12      Understanding Shakespeare      1600      .5      Level I

This semester-long class is designed for sophomores, juniors, and seniors who are interested in an extended study of the life and works of William Shakespeare. Students in this class will explore his comedies, histories, and tragedies with an emphasis on his compelling characters, timeless plots, and universal themes. In addition to the close reading and analysis of his dramas, students will view and analyze various film adaptations, both early and modern, comparing the films to the original text and evaluating their effectiveness. Historical context and Shakespeare’s use of language will be discussed to better understand his famous works and his influence on literature and the English language.

Grade Level	Course Name	Number	Credits	Weight
-------------	-------------	--------	---------	--------

10,11      AP English Language and Composition      1401      1      Level III

The Advanced Placement (AP) English Language and Composition course is a rigorous, college-level class designed to refine students' critical thinking, reading, and writing skills. Through the close study of diverse nonfiction texts—including speeches, essays, and memoirs—as well as select works of fiction, students analyze the rhetorical strategies authors employ to convey ideas and effectively persuade audiences. Emphasizing the principles of argumentation, the course challenges students to evaluate, synthesize, and cite research to construct well-supported, persuasive arguments. This course prepares students for the demands of college-level writing and culminates in the AP Exam, *which all students are required to take in May. CHS Option.*

Prerequisites:

Students enrolled in Honors World Literature (10): A mean percentage of 95% or higher for the first three quarters, a writing sample, and teacher recommendation.

Students enrolled in Honors Foundations of World Literature (9): A mean percentage of 95% or higher for the first three quarters, a writing sample, and teacher recommendation.

# FINE ARTS

Grade Level	Course Name	Number	Credits	Weight
-------------	-------------	--------	---------	--------

7	7 <sup>th</sup> Grade Art	2850	0	Level I
---	---------------------------	------	---	---------

In this semester-long class, Greensburg Central Catholic students will learn how to creatively solve problems, tackle artistic challenges, express themselves, and explore other cultures as well as our Catholic faith, while sharpening lifelong skills such as persistence, observation, collaboration, and self-reflection. Based on NCCAS Visual Art Standards, this course allows students to focus on learning and applying the *Elements of Art* in depth and build skills in a variety of both 2-dimensional and 3-dimensional media.

Grade Level	Course Name	Number	Credits	Weight
-------------	-------------	--------	---------	--------

8	8 <sup>th</sup> Grade Art	2950	0	Level I
---	---------------------------	------	---	---------

In this semester-long class, Greensburg Central Catholic students will expand upon the skills learned in 7th Grade Art, creating work with greater depth and breadth than before. Students will reflect upon their artwork and start to develop personal style, exploring a variety of both 2-dimensional and 3-dimensional media . Based on NCCAS Visual Art Standards, this course allows students to focus on utilizing the *Principles of Design* in order to effectively and intentionally give meaning to their artwork and establish their artistic identity, drawing inspiration from Art History, cultures from around the world, as well as our Catholic faith.

Grade Level	Course Name	Number	Credits	Weight
-------------	-------------	--------	---------	--------

9	Freshman Art	2100	.5	Level I
---	--------------	------	----	---------

Greensburg Central Catholic's semester-long Freshman Art class will provide students with the opportunity to explore a wide array of artistic media to produce both two-dimensional and three-dimensional artwork. Following NCCAS Visual Art Standards, Students will discover more about their artistic identity and personal style, drawing inspiration from Art History, cultures from around the world, as well as our Catholic faith. Students will learn how to analyze and discuss artwork and think more conceptually about their own work.

Grade Level	Course Name	Number	Credits	Weight
-------------	-------------	--------	---------	--------

10,11,12	Printmaking and Creative Design	2170	.5	Level I
----------	---------------------------------	------	----	---------

Greensburg Central Catholic's 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 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- \$25**

Grade Level	Course Name	Number	Credits	Weight
-------------	-------------	--------	---------	--------

11,12      CHS Graphic Design      0615      .5      Level II

Greensburg Central Catholic's 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. **CHS Option.**

Materials Fee - \$30

Grade Level	Course Name	Number	Credits	Weight
-------------	-------------	--------	---------	--------

10,11,12      Ceramics I      2182      .5      Level I

Greensburg Central Catholic's level one Ceramics course is a semester-long art class that will introduce high school students to the versatile medium of clay. This course will focus on utilizing various hand building techniques (such as pinch, slab, drape, coil, and subtractive carving) and tools such as the pottery wheel to create 3-dimensional and low-relief artworks, based off of NCCAS Visual Art Standards. Students will gain a better understanding of the importance of pottery to different cultures throughout history, learn about contemporary ceramic artists, and apply their knowledge of the *Elements and Principles of Design* to produce exemplar pieces of art. Students will learn about the 6 stages of clay, the process of firing clay, and different finishing techniques, such as glazing.

Materials Fee - \$35

Grade Level	Course Name	Number	Credits	Weight
-------------	-------------	--------	---------	--------

11,12      Ceramics II      2183      .5      Level I

In this semester-long art class, Greensburg Central Catholic level two Ceramics students will be expanding upon the skills learned in Ceramics 1 class to explore the medium of clay more deeply, following NCCAS Visual Art Standards, in order to produce more personal, conceptual, and technically-advanced pieces of art. In addition to sharpening skills in hand building, students will also gain more experience throwing on the pottery wheel and will have the opportunity to use advanced equipment such as the clay extruder, slab roller, and pug mill. Additionally, Students will be expected to take greater responsibility for maintaining the ceramics studio and will learn how to recycle clay.

Materials Fee - \$35

Grade Level	Course Name	Number	Credits	Weight
-------------	-------------	--------	---------	--------

11,12      Digital Photography      2301      .5      Level I

Greensburg Central Catholic's 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 - \$20

Grade Level	Course Name	Number	Credits	Weight
-------------	-------------	--------	---------	--------

10,11,12      Fiber Arts      2102      .5      Level I

Greensburg Central Catholic's semester-long Fiber Arts class will provide students the opportunity to work with a variety of tactile materials and explore many fiber art processes such as weaving, fabric collage, batik/fabric dyeing, yarn spinning, wet and needle felting, basic sewing, basket-making, and more. Students will learn the differences between natural and synthetic fibers and how they are sourced, as well as how to best utilize each type of material in their creative designs. Students will produce an assortment of decorative and functional art with a strong focus on texture and hands-on learning.

Grade Level	Course Name	Number	Credits	Weight
-------------	-------------	--------	---------	--------

11,12      AP Art and Design      2193      1      Level III

Greensburg Central Catholic's AP Art and Design is a year-long course that encourages high school students to explore and embrace the creative influences around them. Aligned with the College Board's curriculum, this class focuses on portfolio development in a student's chosen medium. Designed for those seriously interested in the practical aspects of art, the AP Art and Design course emphasizes hands-on studio work rather than a written exam. At the end of the year, students submit their portfolios for evaluation. The program consists of three distinct portfolios—2-D, 3-D, and Drawing—each corresponding to common college-level foundation courses. Students will have the opportunity to develop their skills, build their portfolios, and gain valuable experience as emerging artists. **CHS option.**

Prerequisite(s): Must obtain one full credit of Visual Art; Portfolio Review; Teacher Recommendation.

Materials Fee - \$60 Drawing and 3-D, \$30 2-D Design

Grade Level	Course Name	Number	Credits	Weight
-------------	-------------	--------	---------	--------

10,11,12      AP Art History      2192      1      Level III

Greensburg Central Catholic's 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. **CHS Option**

Prerequisite: 85% or higher in Freshman English

Grade Level	Course Name	Number	Credits	Weight
-------------	-------------	--------	---------	--------

10,11,12      Yearbook      1700      1      Level I

Through a study of yearbook theory which includes typography, photography and photographic special effects, page layout and design, writing, graphic design and desktop publishing, the students in this class are prepared to meet the responsibility for publication of the high school annual yearbook. Students will have extensive exposure to the program Yeartech on-line program, which is part of the Josten's Yearbook Publishing Yearbook Avenue. This program is the one that is used to create GCC's Yearbook. This course should be taken by juniors in preparation of their senior yearbook the following year and is required for membership on the yearbook staff when students are seniors.

Prerequisites : Digital Photography or Graphic Design

Grade Level	Course Name	Number	Credits	Weight
-------------	-------------	--------	---------	--------

7	7 <sup>th</sup> Grade Music	2860	0	Level I
---	-----------------------------	------	---	---------

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
-------------	-------------	--------	---------	--------

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
-------------	-------------	--------	---------	--------

9	Introduction to 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
-------------	-------------	--------	---------	--------

7,8,9,10,11,12	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
-------------	-------------	--------	---------	--------

9,10,11,12      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 selecting this course must be prepared to achieve at the very highest level.

Prerequisites: Admission by audition only

Grade Level	Course Name	Number	Credits	Weight
-------------	-------------	--------	---------	--------

7,8                      7<sup>th</sup>-8<sup>th</sup> Chorus                      2600                      0                      Level I

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 techniques and music literacy and learn basic sight-reading skills.

Grade Level	Course Name	Number	Credits	Weight
-------------	-------------	--------	---------	--------

9,10,11,12                      Chorus                      2654                      1                      Level I

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. Students will develop vocal technique and music literacy and learn basic sight-reading skills.

Grade Level	Course Name	Number	Credits	Weight
-------------	-------------	--------	---------	--------

9,10,11,12                      Chamber Choir                      2655                      1                      Level II

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.

Prerequisites: Admission by audition only



# MATH

Grade Level	Course Name	Number	Credits	Weight
-------------	-------------	--------	---------	--------

7	Math 7	4005	0	Level I
---	--------	------	---	---------

The Diocese of Greensburg Math 7 curriculum 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

Grade Level	Course Name	Number	Credits	Weight
-------------	-------------	--------	---------	--------

7,8	Pre-Algebra	4007	0	Level I
-----	-------------	------	---	---------

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): 6<sup>th</sup> grade math, teacher recommendation and qualifying score on the GCC placement test. Or Math 7 grade 75% or higher in 7<sup>th</sup> grade.

Grade Level	Course Name	Number	Credits	Weight
-------------	-------------	--------	---------	--------

8,9	Algebra IA	4101	1	Level I
-----	------------	------	---	---------

The Algebra IA curriculum is designed to have students build on the previous concepts of variables, equations, and problem-solving skills. The Algebra IA course will enable students to practice critical skills necessary for success in future mathematics courses. The Algebra IA curriculum combined with the Algebra IB curriculum will provide a structured and focused approach to the entire algebra curriculum. The Algebra IA curriculum will focus on linear equations and will include topics such as: operations with integers, solving linear equations and inequalities, graphing linear functions and linear inequalities. Additional topics in data analysis and probability will also be included.

Prerequisites: Pre-Algebra Grade 70%-80% and Teacher Recommendation

Grade Level	Course Name	Number	Credits	Weight
-------------	-------------	--------	---------	--------

9,10	Algebra IB	4102	1	Level I
------	------------	------	---	---------

The Algebra IB curriculum is designed to have students build on the previous concepts of variables, equations, and problem-solving skills. The Algebra IB course will enable students to practice critical thinking skills necessary for success in future mathematics courses. The Algebra IB curriculum combined with the Algebra IA curriculum will provide a structured and focused approach to the entire algebra curriculum. The Algebra IB curriculum will focus on non-linear equations and will include topics such as polynomials and exponents, factoring, rational, and irrational numbers, quadratic equations, and rational expressions. Additional topics in data analysis and probability will also be included.

Prerequisites: Algebra IA grade of 75% or higher or Algebra I grade of 70%-80%.

Grade Level	Course Name	Number	Credits	Weight
-------------	-------------	--------	---------	--------

8,9	Algebra I	4100	1	Level I
-----	-----------	------	---	---------

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 higher

Grade Level	Course Name	Number	Credits	Weight
-------------	-------------	--------	---------	--------

7,8,9	Honors Algebra I	4120	1	Level II
-------	------------------	------	---	----------

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. *All students are expected to maintain a quarterly average of 87% or higher. If a seventh grader drops below an 87% for their first or second quarter grade, they may be moved to Prealgebra. If their yearly grade is below an 87%, they will be required to retake Algebra I before moving on to Geometry. If an eighth grader drops below an 87% for their first or second quarter grade, they may be moved to Algebra I.*

Grade Level	Course Name	Number	Credits	Weight
-------------	-------------	--------	---------	--------

9,10                      Geometry                      4200                      1                      Level I

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 higher

Grade Level	Course Name	Number	Credits	Weight
-------------	-------------	--------	---------	--------

9                      Honors Geometry                      4220                      1                      Level II

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 87% or Algebra I grade of 95% and teacher recommendation.

Grade Level	Course Name	Number	Credits	Weight
-------------	-------------	--------	---------	--------

10,11                      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. Topic 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 higher

Grade Level	Course Name	Number	Credits	Weight
-------------	-------------	--------	---------	--------

9,10,11 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 87% or Geometry grade of 95% and teacher recommendation.

Grade Level	Course Name	Number	Credits	Weight
-------------	-------------	--------	---------	--------

10,11 Honors Trigonometry/Pre-Calculus 4600 1 Level II

The Diocese of Greensburg Honors Trigonometry/Pre-Calculus 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 87% or Algebra II grade of 95% and teacher recommendation.

Grade Level	Course Name	Number	Credits	Weight
-------------	-------------	--------	---------	--------

11,12 College Algebra 4340 .5 Level I

The Diocese of Greensburg College Algebra course 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: Algebra II grade of 85% or higher. Trigonometry grade of 80% or higher.

Grade Level	Course Name	Number	Credits	Weight
-------------	-------------	--------	---------	--------

11,12                      Trigonometry                      4500                      .5                      Level I

The Diocese of Greensburg Trigonometry course is a one semester course that studies the relationship between the measures of the angles and the lengths of the sides of right and oblique triangles. The course reinforces many algebraic skills and extends the study of geometry to include angular rotation, coterminal and related angles, the ratios of the six trigonometry functions, radian measurement, Pythagorean Theorem, Law of Sines and Law of Cosines.

Prerequisite: Algebra II grade of 75% or higher.

Grade Level	Course Name	Number	Credits	Weight
-------------	-------------	--------	---------	--------

12                      Introduction to Calculus                      4610                      1                      Level I

The Diocese of Greensburg Introduction to Calculus 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 higher and teacher recommendation.

Grade Level	Course Name	Number	Credits	Weight
-------------	-------------	--------	---------	--------

11,12                      CHS Pitt Calculus                      4620                      1                      Level III

The aim of the CHS Pitt 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: Honors Trigonometry/Pre-Calculus grade of 87% or higher, qualifying score on ALEKS Test and teacher recommendation.

Grade Level	Course Name	Number	Credits	Weight
-------------	-------------	--------	---------	--------

12                      CHS Pitt Calculus II                      4630                      1                      Level III

The Diocese of Greensburg Calculus II course is designed to continue and enhance concepts learned in Calculus I. Included in this course are sections on Integration, Improper Integrals, Area between Curves, Application of Integrals, Parametric Curves, Differential Equations, Series and Sequences.

Prerequisite: CHS Pitt Calculus grade of 87% or better and teacher recommendation

Grade Level	Course Name	Number	Credits	Weight
-------------	-------------	--------	---------	--------

11,12	AP Statistics	4715	1	Level III
-------	---------------	------	---	-----------

The Diocese of Greensburg’s AP Statistics is a two-semester elective. The course is centered on the concepts of data exploration, sampling and experimentation, probability and simulation, and statistical inference. Students explore both one- and two-variable data; participate in data collection; examine probability, random variables, and probability distributions; use sampling distributions; and engage in inferential reasoning with categorical (proportions and chi-square) and quantitative (means and slopes) data. Students develop and execute original research with an emphasis on data collection, analysis, interpretation, and presentation. Completion of this course is equivalent to completion of an introductory statistics course at the undergraduate level. CHS option.

Prerequisite: Algebra II grade of 87% or better or Honors Algebra II grade of 80% or higher.

Grade Level	Course Name	Number	Credits	Weight
-------------	-------------	--------	---------	--------

11,12	Personal Finance	0771	.5	Level I
-------	------------------	------	----	---------

The Diocese of Greensburg Personal Finance course is designed to promote an understanding of how to manage, maximize, and grow personal income and savings. Students will be able to function effectively as investors and savers, increasing the likelihood of their future economic success. The course will also help students develop thinking skills that include analyzing real-world situations, economic reasoning, decision-making, and problem-solving. Students will explore aspects of personal finance through guest lectures.

# PHYSICAL EDUCATION/HEALTH

Grade Level	Course Name	Number	Credits	Weight
-------------	-------------	--------	---------	--------

10	Health	5153	.5	Level I
----	--------	------	----	---------

The Diocese of Greensburg health curriculum provides students with education in the areas of growth and development, physical health, nutrition, physical activity, first aid, safety and prevention, social health and relationships, consumer health, and substance abuse. Students will learn, evaluate, determine, analyze, and combine different health topics. Students will research health topics, discuss them with peers, and debate their merits. Students will apply health promotion concepts and skills to support a healthy, active lifestyle. Students will apply information about alcohol, tobacco, drugs, and medicines to make decisions that support a healthy, active lifestyle. Students will apply concepts of physical, social, and emotional aspects of human relationships to support a healthy, active lifestyle. Students will apply health-related and skill-related fitness concepts and skills to develop and maintain a healthy, active lifestyle.

This course implements the Operation Prevention Program, is aligned to the PA Academic Standards for Health, Safety and Physical Education, 10th grade and is in line with the teachings and values of the Roman Catholic Church.

Grade Level	Course Name	Number	Credits	Weight
-------------	-------------	--------	---------	--------

7,8,9	Physical Education	5250/5260/5300	.5	Level 1
-------	--------------------	----------------	----	---------

The Diocese of Greensburg seventh, eighth, and ninth grade physical education curriculum is focused on meeting the state standards through lessons and activities that concentrate on physical fitness, movement, individual games, cooperative games, and team sports.

Students will learn a variety of different movement skills, while learning the rules of new games. Students will also be challenged to learn strategies that help build team and cooperative skills. God created us to move, so students will move, and have fun while focusing on emphasizing interpersonal relationships with peers that focus on God and gospel values. We will honor Christ through Physical Education.

Grade Level	Course Name	Number	Credits	Weight
-------------	-------------	--------	---------	--------

10,11,12	Sports Performance and Health		.5	Level I
----------	-------------------------------	--	----	---------

All students who play a sport should schedule this course. This course is designed for training student athletes. In this course, we will construct training programs based on a sport, individual, and seasonal demands. Students who are currently in season will focus on pre-game activation, lifts that help maintain strength and movement efficiency, and mobility in preparation for game day. Game day lifting is key. Out of season athletes will focus on improving strength, size, power, speed, and optimizing efficiency. Explore various injury minimization strategies and nutritional guidelines. Learn recovery strategies. Learn sleep, hydration, nutrition, and importance of fuel for athletes. God made us to move, eat well, and hydrate.

# RELIGION

Grade Level	Course Name	Number	Credits	Weight
-------------	-------------	--------	---------	--------

7	Religion 7	6007	0	Level I
---	------------	------	---	---------

Students in Grade 7 are invited to 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
-------------	-------------	--------	---------	--------

8	Religion 8	6008	0	Level I
---	------------	------	---	---------

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.

Grade Level	Course Name	Number	Credits	Weight
-------------	-------------	--------	---------	--------

9	Revelation of Jesus Christ in Scripture	6101/6102	1	Level I
---	---	-----------	---	---------

The purpose of this course is to give students general knowledge and appreciation of 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. 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
-------------	-------------	--------	---------	--------

10 The Mission of Jesus Christ and the Church 6201/6202 1 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. The students will discover 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
-------------	-------------	--------	---------	--------

11 Life in Jesus Christ Through the Sacraments 6301/6302 1 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. Students will discover 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
-------------	-------------	--------	---------	--------

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
-------------	-------------	--------	---------	--------

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
-------------	-------------	--------	---------	--------

12 CHS World Religions 6404 .5 Level II

This one (1) semester Honors Course is available to seniors only and explores the major religions of the world: Christianity, Islam, Judaism, Hinduism, and Buddhism. The purpose of this course is to examine the origins of religion to better define and describe it as a human phenomenon. These examinations and explorations will deepen the student’s understanding of the profound influence which religion has demonstrated in shaping human culture and expressing human needs. A basic understanding of the five major world religions is developed through the lens of creed, code, and ceremony. Students may earn college credit through Seton Hill University.

Prerequisites:

A mean percentage of 93% or higher for the first three quarters of Religion in 11<sup>th</sup> grade plus teacher recommendation.

Students enrolled in AP Literature or English Course 11: A mean percentage of 93% or higher for the first three quarters.

Students enrolled in Honors Literature or English Course 11: A mean percentage of 95% or higher for the first three quarters.

CHS Option

# SCIENCE

Grade Level	Course Name	Number	Credits	Weight
-------------	-------------	--------	---------	--------

7	Science 7	7007	0	Level I
---	-----------	------	---	---------

This Diocese of Greensburg seventh-grade life science course will continue to build on and integrate life science 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, adaptations and unity and biodiversity within populations. Students in middle school develop an understanding of key life science concepts to help them make sense through experimentation, performance-based assessment, and evidence-based scientific writing. Bioethical issues are examined with a Catholic world view.

Grade Level	Course Name	Number	Credits	Weight
-------------	-------------	--------	---------	--------

8	Science 8	7008	0	Level I
---	-----------	------	---	---------

This course's overall objective is to provide content aligned to Middle School Next Generation Science Standards. Students learn about matter and its interactions, motion and stability, energy, waves and their applications, and magnetism and electricity. During this course, students will develop and use models, plan, and conduct investigations, analyze, and interpret data, use mathematical and computational thinking, and construct explanations to demonstrate understanding of the core ideas. Students will be encouraged to master key concepts and skills through the pursuit of essential questions using explorative activities, experimentation, evidenced-based writing, and classroom discussion. The eighth-grade science curriculum empowers students with a Catholic world view. The performance expectations of this course blend the core ideas with scientific and engineering practices to support students in developing usable knowledge to explore real world physical science phenomena.

Prerequisite: Science 7

Grade Level	Course Name	Number	Credits	Weight
-------------	-------------	--------	---------	--------

8	Honors Science 8	7020	0	Level I
---	------------------	------	---	---------

This course's overall objective is to provide content aligned to Middle School Next Generation Science Standards. Honors Science 8 is a deep study of matter and its interactions, motion and stability, energy, waves and their applications, magnetism, and electricity. During this course, students will develop and use models, plan, and conduct investigations, analyze, and interpret data, use higher level mathematical and computational thinking, and construct explanations to demonstrate understanding of the core ideas. Students will master key concepts and skills through the pursuit of essential questions using explorative activities, experimentation, evidenced-based writing, and classroom discussion. The eighth-grade science curriculum empowers students with a

Catholic world view. The performance expectations of this course blend the core ideas with scientific and engineering practices to support students in developing usable knowledge to explore real world physical science phenomena.

Prerequisites: 95% or higher in all quarters of 7 Science, teacher recommendation and 93% in all quarters of Pre-Algebra.

Grade Level	Course Name	Number	Credits	Weight
-------------	-------------	--------	---------	--------

9	Biology	7100	1	Level I
---	---------	------	---	---------

This course emphasizes the unifying concepts between all areas of biology. Students in Biology will learn life science concepts pertaining to biochemical foundations and processes, cellular Biology, genetics and biotechnology, evolution, and ecology. Lab experiences support and enhance the student's learning of biology content in the classroom by requiring the student to apply their knowledge of material to hands-on learning experiences. Students will have a designated single period lab class within the five-day schedule cycle. Concepts learned in biology are connected to real world applications. Students also analyze biology through the Catholic viewpoint for various bioethical dilemmas.

Prerequisite: Science 8

Grade Level	Course Name	Number	Credits	Weight
-------------	-------------	--------	---------	--------

9	Honors Biology	7120	1	Level II
---	----------------	------	---	----------

This course emphasizes the unifying concepts between all areas of biology. Students in Honors Biology will learn life science concepts pertaining to biochemical foundations and processes, cellular biology, genetics and biotechnology, evolution, and ecology. Lab experiences challenge the student and require them to critically think, develop lab skills, and apply their knowledge learned in the classroom to hands-on experiences. Lab skills that will be developed include microscope handling, along with participating in dissection, and observational and interpretive skills. Students will meet for a double period lab once within the five-day schedule cycle. Concepts learned in biology are connected to real world applications. Students also analyze through the Catholic viewpoint for various bioethical dilemmas.

Prerequisites: 90% in Honors Science 8 or 93% in Science 8, teacher recommendation, English Placement Test score of 75% or greater.

Grade Level	Course Name	Number	Credits	Weight
-------------	-------------	--------	---------	--------

10,11	Chemistry	7210	1	Level I
-------	-----------	------	---	---------

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 engineering practices including design and evaluation. The instructional approach of the course is one of constructivist inquiry where students' master key concepts and skills through the pursuit of essential questions using explorative activities, experimentation, concept writing, and substantive classroom discussion.

Prerequisites: Biology, concurrent with Geometry or better, and teacher recommendation

Grade Level	Course Name	Number	Credits	Weight
-------------	-------------	--------	---------	--------

10	Honors Chemistry	7220	1	Level II
----	------------------	------	---	----------

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 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.

Prerequisites: 90% in Honors Biology or 93% in Biology, 93%, Concurrent course in Algebra II, Math grade of 75% or higher, and teacher recommendation.

Grade Level	Course Name	Number	Credits	Weight
-------------	-------------	--------	---------	--------

11,12	Physics	7310	1	Level I
-------	---------	------	---	---------

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 CHS Physics or CHS Pitt Physics, this course is well aligned to the Next Generation Science Standards (NGSS) in physics. As a minimum, students interested in taking the course should have taken and passed Algebra I. It is preferred that a student have taken or is taking concurrently Algebra II. Math concepts/skills developed in Algebra I that are employed will be reviewed to a sufficient level in class as needed. The course concentrates on conceptual development and provides enriching laboratory experience. The class explores a broad array of concepts including Newtonian mechanics, work, energy, power, electrostatics and elementary resistive circuits. Modern advances in solid state electronics, magnetism and quantum mechanics are also investigated.

Prerequisites: 80% or higher in Algebra I. Passing grade or concurrent course in Algebra II, or Honors Geometry [preferred].

Grade Level	Course Name	Number	Credits	Weight
-------------	-------------	--------	---------	--------

11,12	CHS Physics	7300	1	Level II
-------	-------------	------	---	----------

This class will challenge students to apply mathematical principles to explain physical phenomena. CHS Physics is a trigonometry/algebra based, introductory, college-level physics course aligned with the AP Physics-1 & 2 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 an in-depth investigation of Newtonian concepts including kinematics, dynamics, work, energy, power, linear momentum, circular motion and rotational dynamics. The concepts investigated are reinforced through laboratory work aimed at developing the student's problem solving, observational, and interpretive skills.

Prerequisites: 85% or higher in Algebra II and minimum grade of 80% or concurrent registration in Honors Trigonometry & Pre-Calculus.

CHS – Saint Vincent

Grade Level	Course Name	Number	Credits	Weight
-------------	-------------	--------	---------	--------

11,12	CHS Pitt Physics	7320	1	Level III
-------	------------------	------	---	-----------

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 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 gasses, mechanical waves and sound. The content is equivalent to that of AP-Physics C Mechanics.

Prerequisites: Completion of Honors Trigonometry & Pre-Calculus with a grade of 90% or higher and passing grade or concurrent enrollment in Calculus I or CHS Pitt Calculus (preferred).

CHS – University of Pittsburgh

Grade Level	Course Name	Number	Credits	Weight
-------------	-------------	--------	---------	--------

10,11,12	Environmental Science	7400	1	Level I
----------	-----------------------	------	---	---------

This class is intended for those students who are interested in the environment while not necessarily planning to pursue a biological, chemical, or engineering course of study in college. Environmental science is interdisciplinary, embracing concepts from biology, chemistry, and geology while utilizing reading and writing skills. Labs will be incorporated where applicable. Students will demonstrate the ability to use scientific skills necessary to identify and analyze environmental issues, engage with scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world through a lens of Catholic faith. This 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.

Prerequisites: Biology or Honors Biology

Grade Level	Course Name	Number	Credits	Weight
-------------	-------------	--------	---------	--------

12	CHS Anatomy and Physiology	7500	1	Level II
----	----------------------------	------	---	----------

Anatomy and Physiology is designed for the students that wish to learn about their body or develop an understanding of the complexity of the human body or for the students that wish to explore an application toward a future health care related field. Introductory concepts will be taught at the beginning of the year and then each system of the human body will be explored throughout the rest of the year. Lab experiences will be incorporated with each topic and most body systems. Organ dissections will be performed where applicable and the year culminates in a fetal pig dissection. Students will have a double period for lab once in the five-day schedule cycle. Students should have taken Biology and Chemistry prior to selecting this elective. Since this class is a College in High School course and if desired, a student could earn 4 college credits, it is taught on the college level.

Prerequisites: Completion of Biology or Honors Biology and Chemistry or Honors Chemistry with an 80% or higher.

CHS – Mount Aloysius

Grade Level	Course Name	Number	Credits	Weight
-------------	-------------	--------	---------	--------

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). The course is divided up into eight units: 1. Chemistry of Life, 2. Cell Structure and Function, 3. Cellular Energetics, 4. Cell Communication and the Cell Cycle, 5. Heredity, 6. Gene Expression and Regulation, 7. Natural Selection, and 8. Ecology. AP Biology is a lab-based class and students will have a double period twice in the five-day schedule cycle. Students are required to take the AP Biology Exam in May.

Prerequisites: Yearly grade of 85% in Honors Biology and Honors Chemistry. Yearly grade of 90% in Biology and Chemistry. Students are strongly encouraged to take Anatomy and Physiology prior to or concurrent with AP Biology. AP Biology is a Senior Level Course.

CHS-Seton Hill University

Grade Level	Course Name	Number	Credits	Weight
-------------	-------------	--------	---------	--------

11,12	CHS Chemistry	7650	1	Level II
-------	---------------	------	---	----------

CHS Chemistry is a general college level inorganic course designed to be the equivalent of the general chemistry course usually taken during the first college year. The course is designed to develop strong analytical and thinking skills. Students are expected to have a strong background in mathematics since CHS Chemistry involves numerical problem solving and word problem analysis both in the classroom setting and laboratory. The goal of CHS Chemistry is to provide the student a foundation of knowledge on which to rationalize, summarize, and predict the structure and properties that make up chemistry. The focus topics are thermochemistry, kinetics, equilibrium, acid/bases, buffers, thermodynamics, and electrochemistry. This course is aligned with the AP Chemistry curriculum.

Prerequisites: Yearly grade of 85% in Honors Biology and Honors Chemistry. Concurrent course in Honors Trig/Pre-Calculus OR completed, Chemistry teacher recommendation.

CHS – Seton Hill University

Grade Level	Course Name	Number	Credits	Weight
-------------	-------------	--------	---------	--------

11,12 Introduction to Circuits (STEM) 7705 .5 Level I

This course is an introduction to electrical circuit design and analysis. It examines physical laws governing voltage and current. Investigation of series, parallel and combined resistive circuits is the principal focus. Analysis methods using network techniques, superposition, Thevenin's and Norton's theorems are introduced and explored. This course is also designed to familiarize the student with DC circuit analysis, design and layout using the National Instrument's MultisimLIVE schematic capture and layout software tool that integrates industry-standard SPICE analysis to provide students with an interactive way to instantly visual circuit (design) behavior.

Prerequisites: 85% or higher in Algebra II and minimum grade of 80% in Chemistry or Physics [preferred].

Grade Level	Course Name	Number	Credits	Weight
-------------	-------------	--------	---------	--------

11,12 Introduction to Engineering (STEM) 7700 .5 Level I

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.

Prerequisites: 85% or higher in Algebra I and minimum grade of 85% in Physics or minimum grade of 80% in, or concurrent registration in CHS Physics or CHS Pitt Physics.

Grade Level	Course Name	Number	Credits	Weight
-------------	-------------	--------	---------	--------

11,12 Forensic Science (STEM) 7710 .5 Level I

The course is designed for students who would like to learn about the physical science behind forensics 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 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.

Prerequisites: 85% or higher in Chemistry.

Grade Level	Course Name	Number	Credits	Weight
-------------	-------------	--------	---------	--------

10,11,12	Medical Perspectives (STEM)	5160	.5	Level I
----------	-----------------------------	------	----	---------

This STEM elective course is designed to familiarize students with various medical and health care related career paths. Students learn about medical terminology, anatomy, physiology, medical equipment and medical 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 WISER Institute (UPMC/University of Pittsburgh). 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.

Prerequisites: Completion of Biology or Honors Biology.

Grade Level	Course Name	Number	Credits	Weight
-------------	-------------	--------	---------	--------

11,12	Structural Analysis (STEM)	7715	.5	Level I
-------	----------------------------	------	----	---------

This course continues the investigation and development of basic mechanical engineering concepts started in Introduction to Solid Modeling. Structural analysis starts off simple so that no prior knowledge is required. However, it is strongly recommended that students first have taken either Introduction to Solid Modeling or college-level Physics. The course covers a broad spectrum of common topics that are applicable to mechanical and more specifically, structural engineering, including: forces (including Newtons Laws), stress, strain, modulus of elasticity and Poisson's ratio as well as application of beam theory. In addition to the theoretical development necessary for understanding, students undergo instruction on how to use SkyCiv, a structural analysis software tool. This is a project-based curriculum where students are encouraged to explore the software package on their own with faculty guidance. Traditional instruction is limited to the first part of the course – stressing only the fundamentals required to allow students to work projects on their own. A basic understanding of algebra and mathematics will help with the completion of this course.

Prerequisites: 85% or better in Introduction to Engineering or minimum grade of 85% in CHS Physics or CHS Pitt Physics.

# SOCIAL STUDIES

Grade Level	Course Name	Number	Credits	Weight
-------------	-------------	--------	---------	--------

7	Social Studies 7	8007	0	Level I
---	------------------	------	---	---------

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
-------------	-------------	--------	---------	--------

8	Social Studies 8	8008	0	Level I
---	------------------	------	---	---------

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
-------------	-------------	--------	---------	--------

9	World History I	8120	1	Level I
---	-----------------	------	---	---------

World History 1 is a one-credit full-year-old course available to all freshmen. The students are introduced to the development of humankind in both western and eastern civilizations. The cultural and historical accomplishments are explored on the world's stage as they act and interact to create history. The study of non-western cultures focuses on East Asia, China, India, and Africa in order to promote an understanding of the people their attitudes behaviors, and goals in contrast to our own.

Grade Level	Course Name	Number	Credits	Weight
-------------	-------------	--------	---------	--------

9	Honors World History I		1	Level II
---	------------------------	--	---	----------

Honors World History I is a one-credit full year course in the Diocese of Greensburg school system The students are introduced to the development of humankind in both western and eastern civilizations. The cultural and historical accomplishments are explored on the world's stage as they act and interact to create history. The study of non-western cultures focuses on East Asia, China, India, and Africa to promote an understanding of the people their attitudes behaviors, and goals in contrast to our own.

Honors World History I students will work more independently and demonstrate a deeper understanding of world history concepts. Students will be actively engaged in higher-level critical thinking and student-centered activities to analyze, interpret, and evaluate the historical and cultural patterns of the ancient world. Students enrolled for this class should be self-motivated and willing to engage in critical and analytical thinking and writing.

Prerequisites: 93% minimum average in United States History 1865 to present, and teacher recommendation.

Grade Level	Course Name	Number	Credits	Weight
-------------	-------------	--------	---------	--------

10	World History II	8220	1	Level I
----	------------------	------	---	---------

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
-------------	-------------	--------	---------	--------

10	Honors World History II	8225	1	Level II
----	-------------------------	------	---	----------

This course studies the development of man in both western civilization and eastern civilization from 1450 to present. Specific focus is placed on the impacts of European exploration, the age enlightenment, global conflicts, the evolution of technology, decolonization, traditional and modern cultural coexistence, and modern globalization.

Prerequisite(s): 93% minimum average in World History I and teacher recommendation.

Grade Level	Course Name	Number	Credits	Weight
-------------	-------------	--------	---------	--------

11	American History	8320	1	Level I
----	------------------	------	---	---------

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 eight overarching universal themes to all history: people, 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.

Grade Level	Course Name	Number	Credits	Weight
-------------	-------------	--------	---------	--------

11	Honors American History	8325	1	Level II
----	-------------------------	------	---	----------

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.

Prerequisite(s): 93% minimum average in previous Honors World History II course 96% in regular World History II and teacher recommendation.

Grade Level	Course Name	Number	Credits	Weight
-------------	-------------	--------	---------	--------

11	AP United States History	8303	1	Level III
----	--------------------------	------	---	-----------

Advanced Placement United States 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 experience coursework that is presented with adherence to a framework addressing the eight overarching universal themes of all history:

American and national identity; work; exchange and technology; geography and environment; migration and settlement; politics and power; American in the world; American and regional cultures; and social structures. 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, and political evolution. Good reading and writing skills as well as self-discipline to work with large amounts of material are requisites for the course. Students will practice the writing components of the AP program that include the Free Response Essay and the Document Based Question (DBQ) essay; in addition, they will be expected to complete a research paper that complies with the MLA standards of writing and documentation. The course places special emphasis on the following themes: American identity, cultural diversity, patterns of immigration, political evolution, reform, and economic growth and change. Students must take the AP test in May.

Prerequisite(s): 93% minimum average in Honors World History and teacher recommendation.

CHS-Seton Hill

Grade Level	Course Name	Number	Credits	Weight
-------------	-------------	--------	---------	--------

12      Civics and World Citizenship      8410      .5      Level I

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
-------------	-------------	--------	---------	--------

12      1960-1975      8430      .5      Level I

The 1960's remains one of the most exciting periods in American history. The changes that occurred during this decade revolutionized the United States, and its legacy is still evident today in national politics and foreign policy as well as culture and fashion. The 1960's are most remembered by the political, cultural, and social movements that helped to bring about many of these changes—most notably the African American freedom struggle and Black Power movement, gay liberation, women's liberation, counterculture and the movements to end the war in Vietnam. Responses to these movements will be presented as many Americans opposed and resisted these movements. The course will begin with the roots of this era that can be traced back to the 1950's and present the most defining events of the 60's and the early 70's, that impacted race relations, music, and culture in this turbulent time in American history.

CHS – Seton Hill

Grade Level	Course Name	Number	Credits	Weight
-------------	-------------	--------	---------	--------

11,12      Economics      8420      .5      Level I

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.

Grade Level	Course Name	Number	Credits	Weight
-------------	-------------	--------	---------	--------

10,11,12	Mock Trial	0781	1	Level 1
----------	------------	------	---	---------

In this year-round Civics, Social Studies, and English department elective course, GCC students will learn how to prepare and deliver a proper speech or address in a public forum. Speeches and debates are themed on various topics and the student will learn to support his or her ideas with evidence, reasoning, and research. This course requires extensive reading and reading comprehension as well to enhance vocabulary, critical terminology, proper grammar and sentence construction and syntax.

Also, students enrolled in Mock Trial will study and understand each current year's proposed case prepared by Pennsylvania State Bar Association (PSBA) Young Lawyers Division. Everyone will study to argue the adopted case for both plaintiff and defense. At least 7 class members plus 3 alternates will be chosen to compete as The Mock Trial Team representing GCC. These students will take on the roles of the attorneys and witnesses for both sides of the case (For the Commonwealth – Prosecution / For the Defense or Public Defenders office). Students will be required to write extensively and to interact as teammates, coaches, and take initiative in self-correction as well as group critique of strategy, skills, and case law.

From November 1 through early April we will be working with our attorney coach, guest attorneys, and other local teams. Students will understand rules of evidence, courtroom decorum, and objection rules at trial. Along with being a part of a competitive mock trial team to compete in the local, district, regional, and state level competitions; students will support those who are competing by attending the trials and helping with practice sessions, and attend all practices after school, at the courthouse, and during our daily class time. All competitions are held in the evening at courthouses throughout our Region 3 District 1 of Indiana, Somerset, and Westmoreland Counties and our Competitive Region (R3) which includes Washington, Fayette, and Greene Counties (D2); and Cambria, Blair, Huntingdon, Fulton, and Mifflin Counties (D3).

Forensics skills, debate procedure, and correct discourse techniques, reading and research, and expository writing will be learned and practiced throughout the year. Students interested in careers in law, criminology, law enforcement - police, public policy, government office, or criminal justice are encouraged to enroll and excel in this class.

Grade Level	Course Name	Number	Credits	Weight
-------------	-------------	--------	---------	--------

11,12	Psychology	8440	.5	Level I
-------	------------	------	----	---------

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
-------------	-------------	--------	---------	--------

12	AP Psychology	8441	1	Level III
----	---------------	------	---	-----------

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.

Pre-Requisite: 85% in History (Junior Year)

CHS Option

# WORLD LANGUAGE

Grade Level	Course Name	Number	Credits	Weight
-------------	-------------	--------	---------	--------

9,10	French I	3210	1	Level I
------	----------	------	---	---------

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
-------------	-------------	--------	---------	--------

10,11,12	French III	3230	1	Level I
----------	------------	------	---	---------

French III 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
-------------	-------------	--------	---------	--------

11,12	French IV	3240	1	Level I
-------	-----------	------	---	---------

French IV uses a cooperative 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
-------------	-------------	--------	---------	--------

10,11,12	German III	3310	1	Level I
----------	------------	------	---	---------

German III 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
-------------	-------------	--------	---------	--------

11,12	German IV	3340	1	Level II
-------	-----------	------	---	----------

German IV 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
-------------	-------------	--------	---------	--------

12                      German V                      3350                      1                      Level II

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
-------------	-------------	--------	---------	--------

9,10,11                      Spanish I                      3410                      1                      Level I

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, speaking, reading and writing are stressed.

Grade Level	Course Name	Number	Credits	Weight
-------------	-------------	--------	---------	--------

9,10,11,12                      Spanish II                      3420                      1                      Level I

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, speaking, reading and writing continues to be stressed.

Grade Level	Course Name	Number	Credits	Weight
-------------	-------------	--------	---------	--------

10,11,12                      Spanish III                      3430                      1                      Level I

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 intermediate level Spanish.

Grade Level	Course Name	Number	Credits	Weight
-------------	-------------	--------	---------	--------

11,12      Spanish IV(Independent Study)                      3440                      1                      Level II

Spanish IV is offered as an in-person independent study. Spanish V 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 Honors Spanish IV 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
-------------	-------------	--------	---------	--------

12	CHS Spanish V(Independent Study)	3450	1	Level II
----	----------------------------------	------	---	----------

Spanish V is offered as an in-person independent study. 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.

CHS – Saint Vincent, Seton Hill