

HOLY CROSS HIGH SCHOOL
COURSE OF STUDIES



Revised: **April 2018**

DIOCESE OF SCRANTON

“They devoted themselves to the teaching of the apostles and to the communal life, to the breaking of the bread and to the prayers. Awe came upon everyone, and many wonders and signs were done through the apostles. All who believed were together and had all things in common; they would sell their property and possessions and divide them among all according to each one’s need. Every day they devoted themselves to meeting together in the temple area and to breaking bread in their homes. They ate their meals with exultation and sincerity of heart, praising God and enjoying favor with all the people. And every day the Lord added to their number those who were being saved.”

Acts 2:42-47

DIOCESAN MISSION STATEMENT

“We, the Catholic faithful of the Diocese of Scranton, in union with our Holy Father, the Pope, are called through Baptism to share the mission, which Jesus Christ has entrusted to the One, Holy, Catholic and Apostolic Church. Priests, deacons, religious, and laity, under the leadership of our Bishop, cooperate to proclaim the Gospel in accordance with the teaching of the Church, to celebrate the sacraments, especially the Eucharist, for the salvation of all, and to witness by Grace to the Kingdom of God so as to promote a culture of life, justice and peace.”

CATHOLIC SCHOOLS’ MISSION STATEMENT

“We, the Catholic Schools of the Diocese of Scranton, are committed to educate students and their families in the Catholic faith. We provide a Catholic education that is spiritually sound and academically excellent. We strive to prepare our students to be faith-filled leaders and life-long learners dedicated to serving the church and society.”

Holy Cross High School Mission Statement

Holy Cross High School, an institution of excellence, is committed to the development of the whole person, offering comprehensive academic, social and athletic programs which are rooted in the Gospel and teaching of the Catholic Church. A Roman Catholic High School in the Diocese of Scranton, Holy Cross challenges its students to appreciate life-long learning and to develop character, leadership and integrity in a caring environment in order to promote a culture of peace, justice and service.

Holy Cross High School Belief Statements

We Believe:

- That the Gospel teachings of Jesus serve as the core of all Religious, academic and extracurricular activities at Holy Cross High School.
- That through our Baptism we are called to share in the mission of Jesus Christ, proclaiming the Gospel, fully and actively celebrating the sacraments, and promoting a culture of life, justice and peace rooted in Christian service.
- That our Catholic faith fosters a welcoming family, faith-based environment for all people, regardless of race, creed or culture.
- That a respect for the dignity and value of self and others is essential for all growth, and that the whole person – mind, body and spirit – must be nurtured.
- That a challenging curricular program in the arts, sciences and humanities seeks to instill an appreciation for life-long learning and fosters the development of Christian leadership, character and integrity in all students.
- That our students' diverse physical and athletic abilities be developed to their full potential.
- That family participation, along with quality education, is important for our students to achieve their full potential.

GENERAL INFORMATION

ACCREDITATION

Holy Cross High School is accredited by the Commonwealth of Pennsylvania and the Middle States Association of Colleges and Secondary Schools.

GENERAL

Holy Cross High School is a comprehensive high school. Students are encouraged to select courses based on individual abilities, achievement, and goals within the limits of the specialized graduation requirements. Choice in sequence is based on standardized testing, teacher recommendations, and counseling assistance. Advanced Placement (AP) courses are available in AP English Literature and Composition; AP English Language and Composition; AP United States History; AP United States Government and Politics; AP Biology; AP Chemistry; AP Calculus; AP Art History; and AP Studio Art.

Career Technology courses are offered to sophomores, juniors and seniors at the Lackawanna County Career Technology Center on half-day sessions.

COURSE SELECTION GUIDELINES

GUIDELINES FOR SCHEDULE PLANNING

In selecting your courses, please keep in mind the following:

1. A minimum of seven and one half (7.5) credit courses, to include Theology, English, Science, Social Studies, Math and Physical Education, in each of grades 9 through 12 is required.
2. Study the description of subjects and pay special attention to pre-requisites for certain courses.
3. Discuss choices with your current teachers. They are an excellent guide to the next level of courses in their departments.
4. Learn the requirements for entrance to the college or school you plan to attend after graduation or for entrance to the kind of work you intend to pursue. These requirements form minimum guidelines. Do not be too quick to limit your opportunities.
5. Discuss course selections you have chosen with your parents.
6. No change in student subject selections will be made after a signed course selection sheet is returned without the permission of the Principal. The school will address schedule changes on an individual basis. No change in course selections will ordinarily be made after the announced August deadline.

COURSE OF STUDY

FRESHMAN

The following courses, listed by department, are normally available for selection by students in their freshman year at Holy Cross High School.

English

Honors English 1
English 1
English I Concepts
Critical Reading

Foreign/Classic Language

Spanish 1
French 1
Latin 1
Spanish Language Culture 1

Health/Physical Education

Physical Education

Mathematics

Honors Geometry
Algebra 1
Algebra 1 Concepts

Science

Honors Physical Science
Physical Science
Physical Science Concepts

Social Studies

Honors U.S. History 2
U.S. History 2

Theology

Theology 1

Freshman Sequence

Freshman Seminar
Introduction to Computers
Introduction to Art
Introduction to Music

COURSE OF STUDY **SOPHOMORE**

The following courses, listed by department, are normally available for selection by students in their sophomore year at Holy Cross High School. An asterisk (*) denotes courses designated as electives.

Computer

Computer Applications*
Computer Concepts*

English

Honors English 2
English 2
English 2
The Write Way: Grammar and Usage*

Fine Arts/Humanities

Art 1*
Chorus*
Advanced Chorus*

Foreign/Classic Language

Spanish 2
French 2
Latin 2
Spanish Language Culture 2

Health/Physical Education

Physical Education
Fitness and Movement*

Mathematics

Honors Algebra 2
Algebra 2
Honors Geometry
Geometry
Geometry Concepts

Science

Honors Biology
Biology
Biology Concepts

Social Studies

Honors American Government
American Government
World Geography/Int'l Relations*

Theology

Theology 2
Awaken to Prayer*

COURSE OF STUDY

JUNIOR

The following courses, listed by department, are normally available for selection by students in their junior year at Holy Cross High School. An asterisk (*) denotes courses designated as electives.

Computer

Computer Applications*
Advanced Computer Topics*

English

Honors English 3
English 3
English 3 Concepts
Creative Writing*
Literature to Film*
Introduction to Film*
The Write Way: Grammar and Usage*
AP English Language & Composition*

Fine Arts/Humanities

Art 2*
Digital Photography*
Web Design*
AP Art History*
Chorus*
Advanced Chorus*

Foreign/Classic Language

Honors Spanish 3*
Honors French 3*
Honors Latin 3*

Health/Physical Education

Physical Education
Health
Fitness and Movement*

Mathematics

Honors Pre-Calculus with Trigonometry
Pre-Calculus with Trigonometry
Honors Algebra 2
Algebra 2
Algebra 2 Concepts

Science

Honors Chemistry
Chemistry
Chemistry Concepts
A.P. Biology*
Honors Biology 2*
Environmental Science*
Forensic Science*
Honors Anatomy/Physiology*
Human Anatomy*
Intro to Design and Basic Engineering*

Social Studies

Honors World History 2
World History 2
Mythology*
Criminal Law*
Sociology*
Psychology*
World Geography & Inter. Relations*

Theology

Theology 3
St. Paul: A Man of Letters*
Awaken to Prayer*

COURSE OF STUDY

SENIOR

The following courses, listed by department, are normally available for selection by students in their senior year at Holy Cross High School. An asterisk (*) denotes courses designated as electives.

Computer

Computer Applications*
Advanced Computer Topics*

English

A.P. English Literature & Composition
Honors English 4
English 4
English 4 Concepts
Introduction to Film*
Literature to Film*
Creative Writing*
AP English Language & Composition*

Fine Arts/Humanities

Art 2*
Art 3*
Digital Photography*
Web Design*
AP Art History*
AP Studio Art*
Chorus*
Advanced Chorus*

Foreign/Classic Language

Honors Spanish 4*
Honors French 4*
Honors Latin 4*

Mathematics

AP Calculus
Honors Calculus
Honors Pre-Calculus with Trigonometry
Pre-Calculus with Trigonometry
Finite Mathematics with Statistics
Trigonometry Concepts with Math Topics

Health/Physical Education

Physical Education
Fitness and Movement*

Science

Honors Physics
Physics
Physics Concepts
AP Biology*
AP Chemistry*
Honors Biology 2*
Honors Chemistry 2*
Honors Anatomy/Physiology*
Human Anatomy*
Environmental Science*
Forensic Science*
Intro to Design and Basic Engineering*

Social Studies

American Government
AP U.S. History
AP U. S. Government*
Modern America*
Criminal Law*
Psychology*
Sociology*
Mythology*
World Geography & Inter. Relations*

Theology

Theology 4
St. Paul: A Man of Letters*
Awaken to Prayer*

Immaculate Heart of Mary Honors Program Holy Cross High School

Philosophy

The Immaculate Heart of Mary Honors Program is a program that allows exceptional students to participate in a curriculum that offers courses which are broader in scope and are more demanding than the college preparatory curriculum. Students will be able to practice critical thinking and analytical skills that will aid them in developing their potential. The Immaculate Heart of Mary Honors Program will challenge outstanding students with a demanding education that stresses independent work and intense engagement with the faculty and other Honors students both in and out of the classroom.

Students completing the program will be awarded a diploma “with distinction.” Students graduating with a cumulative grade point average of 3.30 to 3.59 will be awarded a distinction of “Cum Laude,” students graduating with a cumulative grade point average of 3.60 to 3.79 will be awarded a distinction of Magna Cum Laude, while students graduating with a cumulative grade point average of 3.80 and higher will be awarded a distinction of “Summa Cum Laude.”

Admission

Recommendation of students into the Immaculate Heart of Mary Honors Program will occur upon completion of the freshman year. Criteria for selection include:

- a. Placement in the top **10%** of the class
- b. A cumulative grade point average of **3.50** or above
- c. Intellectual aptitude
- d. Overall school performance (past and current), including attendance and discipline records.

Characteristics of candidates include:

- a. High academic achievement and intellectual ability
- b. Self-motivation
- c. Self-discipline
- d. Good organizational skills
- e. Excellent written expression
- f. Avid interest in reading
- g. Good oral communication skills
- h. Ability to work independently and collaboratively
- i. Good citizenship and attendance

Holy Cross High School
Immaculate Heart of Mary Scholars Program

Requirements

Students must maintain an **85** or above average in all Honors and Advanced Placement level courses taken at Holy Cross High School and a minimum of a **C** in all courses taken at Marywood University. They must meet a high standard of academic integrity and not have excessive absences. Students will complete the following courses at Marywood University:

I.H.M. Program: Grade 11 Summer - General Psychology (PSY 211) (3 Credits)
(15 Credits) Grade 11 Fall – Composition and Rhetoric (ENGL 160) (3 Credits)
 Grade 11 Spring - Introduction to World Literature (ENGL 180) (3 Credits)
 Grade 12 Fall - Roots of the Modern World (HIST 100) (3 Credits)
 Grade 12 Spring - Introduction to Philosophy (PHIL 113) (3 Credits)

Course: **PSY 211 General Psychology** Relative Value: I.H.M. Level I
Credit: Marywood University 3 credits; Holy Cross High School 1 credit
Pre-Requisite: None
Location: Marywood University

Offers broad-based investigation of the nature of behavior, stressing general scientific principles, the complexity of human motivation, and the potential of psychology for the student’s self-realization.

Course: **ENGL 160 Composition and Rhetoric** Relative Value: I.H.M. Level I
Credit: Marywood University 3 credits; Holy Cross High School 1 credit
Pre-Requisite: None
Location: Marywood University

Provides intensive practice in exposition and argumentation as well as the demonstration of rhetorical principles. Also covers the term paper. This course requires a minimum of “C” in order to fulfill the University’s requirement of competency in writing.

Course: **ENGL 180 Introduction to World Literature** Relative Value: I.H.M. Level I
Credit: Marywood University 3 credits; Holy Cross High School 1 credit
Pre-Requisite: ENGL 160
Location: Marywood University

This course surveys the literature of the world, both Western and Non-Western. Students will read landmark texts in several genres. Course content will vary by instructor.

Course: **HIST 100 Roots of the Modern World** Relative Value: I.H.M. Level II
Credit: Marywood University 3 credits; Holy Cross High School 1 credit
Pre-Requisite: ENGL 160, ENGL 180
Location: Marywood University

Studies the pivotal events and achievements of humankind, stressing the period from the Enlightenment to World War I and relating them to life in contemporary times.

Course: **Introduction to Philosophy (PHIL 113)**

Relative Value: I.H.M. Level II

Credit: Marywood University 3 credits; Holy Cross High School 1 credit

Pre-Requisite: ENGL 160, ENGL 180, HIST 100

Location: Marywood University

An introduction to the broad range of thinkers and issues that constitute philosophy. Students will examine critically the accumulated wisdom about God, nature, and humanity in order to evaluate their own positions and choices and to make ethical decisions in an interdependent world.

FRESHMAN SEQUENCE

Course: **Freshman Seminar** Relative Value: Pass/Fail
Credit: 0.25
Pre-Requisite: None

The instructional goals of this class are to help all freshmen achieve academic success in all content area classes; develop and reinforce study and organizational skills; develop critical thinking skills and to promote student responsibility and personal life skills. The course will cover topics such as organization for high school, goal setting, personal learning styles, use of a textbook, development and use of memory, test taking strategies, note taking, writing and editing skills. The students will also be introduced to a seminar style classroom discussing topics such as building confidence; family; honesty and integrity; use of imagination and challenges in life.

Course: **Introduction to Computers** Relative Value:
Pass/Fail Credit: 0.25
Pre-Requisite: None

Introduction to Computers is a one-quarter course for students in Grade 9. Students will learn how to use the school's network including logging on, saving files, and creating an organized file system. Students will learn how to effectively use the Internet for research and internet safety will be discussed. Students will use the Microsoft Office Suite including Word, Excel, and PowerPoint. How to use MLA formatting in MS Word will also be covered.

Course: **Introduction to Art** Relative Value: Pass/Fail
Credit: 0.25
Pre-Requisite: None

Introduction to Art is designed to acquaint the students with the Elements and Principles of Art/Design. Students explore new ways of observing and thinking about art and their environment. Emphasis is placed on the individual's original interpretation and the development of creativity in a variety of media, which include: paper, paint, pencil, and drawing materials as they relate to two and three dimensional design and life drawing. Opportunities for aesthetic growth, expression, and self-reflection will be offered. An historic overview of the progression of art styles is also covered. Assessment will include projects, rubrics, sketchbook work and quizzes.

Course: **Introduction to Music** Relative Value: Pass/Fail
Credit: 0.25
Pre-Requisite: None

This is a course required of all freshmen. The student will become familiar with the major elements of musical style as well as an understanding of basic notation. An understanding of fundamental music vocabulary is stressed, with emphasis on intelligent and critical listening. Students will also learn to perform popular chords and songs through the study of the ukulele.

COMPUTER DEPARTMENT

Course: **Computer Applications** Relative Value: Table II
Credit: 1.0
Pre-Requisite: None

The students will learn essential computer applications and internet skills for personal, academic, and professional success. They will use Microsoft Word to create different types of documents including MLA formatted papers and will also be introduced to Google Docs. They will use Microsoft Excel to create spreadsheets and generate graphs to interpret spreadsheet data. Microsoft PowerPoint will be used to create and execute an artistic and professional PowerPoint presentation which includes text formatting, graphics, animation, and public speaking. Adobe Photoshop will be used to create high quality images and layouts using the basics of layers, adjustments, tools, masking, filters, and gradients. The students will learn to use the internet in a safe and ethical manner to research information. Students will also be introduced to coding in either HTML or Python.

Course: **Advanced Computer Topics** Relative Value: Table II
Credit: 1.0
Pre-Requisite: Computer Applications and Department Approval

Advanced Computer Topics will cover a variety of more advanced high school level computer related topics. Topics will include an introduction to object oriented programming (Python), 3-D design and 3-D printing, and projects with Raspberry Pi mini computers. Course concepts include: problem solving techniques, program design, control structures, functions, loops, data structures and algorithms.

Course: **Computer Concepts** Relative Value: Table I
Credit: 1.0
Pre-Requisites: Modified College Prep Courses or Teacher Recommendation

The students will learn essential computer applications and internet skills for personal, academic, and professional success. They will use Microsoft Word to create different types of documents including MLA formatted papers and will also be introduced to Google Docs. They will use Microsoft Excel to create spreadsheets and generate graphs to interpret spreadsheet data. Microsoft PowerPoint will be used to create and execute an artistic and professional PowerPoint presentation which includes text formatting, graphics, animation, and public speaking. Students will be introduced to the basics of Photoshop. The students will learn to use the internet in a safe and ethical manner to research information. This course covers similar material to Computer Applications at a slower pace with a smaller class size allowing for more individual assistance.

Course: **Web Design** Relative Value: Table II
Credit: 1.0
Pre-Requisite: None

This course introduces students to basic web design using HTML (Hypertext Markup Language) and CSS (Cascading Style Sheets). This course includes: planning and designing effective web pages, implementing web pages by writing HTML and CSS code, and enhancing web pages with the use of page layout techniques, text formatting, graphics, images, and multimedia. Students will also be introduced to Java scripting. Students will produce a functional, multi-page website as the culminating project. Assessments will include projects and tests.

ENGLISH DEPARTMENT

Course: **English 1** Relative Value: Table II
Credit: 1.0
Pre-Requisite: None

English 1 consists of units of literature, vocabulary, grammar and composition. A genre approach is followed with respect to the literature, usually beginning with a short story unit. Novels, poetry, dramas and non-fiction essays are also studied. Each student will memorize and recite one Shakespearean soliloquy from *The Tragedy of Romeo and Juliet*. Vocabulary is gleaned from the literature and incorporated into the curriculum. Freshmen will be introduced to the Collins Writing Program. A very strong emphasis is placed on the study of grammar and composition. Each quarter has at least two weeks where grammar is presented, following composition. The parts of speech and their functions are taught as well as parts of a sentence, pronoun agreement and subject-verb agreement. Understanding grammatical constructions and usage within simple sentences and clauses is a strong part of the freshman writing curriculum. The students then apply their knowledge in the composition phase of the program.

Course: **English 1 Concepts** Relative Value: Table I
Credit: 1.0
Pre-Requisite: None

In this course, a greater emphasis will be placed on basic reading and writing skills, accommodating the individual student. It is designed to review the basic concepts of grammar, namely, the parts of speech and the parts of the sentence. The students will improve their writing skills through the Collins Writing Program. A study of vocabulary will also be part of the curriculum, to be incorporated according to the teacher's discretion. Students will study short story, poetry, and nonfiction units. At least one novel will be studied.

Course: **Honors English 1** Relative Value: Table III
Credit: 1.0
Pre-Requisite: Placement Test Language Score

A review of grammar will occur at this time, and the students will develop writing skills through the Collins Writing Program. A genre approach will be used with respect to the study of literature. The students will study a minimum of three novels, two plays (one of which will be Shakespearean), one epic poem, as well as units of short stories, poetry, and nonfiction selections. A study of vocabulary is incorporated into the curriculum. Each student will memorize and recite one Shakespearean soliloquy from *The Tragedy of Romeo and Juliet*.

Course: **English 2** Relative Value: Table II
Credit: 1.0
Pre-Requisite: English 1

English 2 consists of the study of the short story, the novel, drama, poetry, and non-fiction works. A genre approach is used with respect to the study of literature. The students read a minimum of three novels and two plays, one of which is a Shakespearean play. Students are required to recite a passage from William Shakespeare's play. Students continue to develop their writing skills through the Collins Writing Program. Grammar and usage are reviewed through this writing program. Sophomores study verbal usage as well as clauses to help them develop writing skills. Vocabulary is also incorporated into the curriculum as students prepare for the PSAT and SAT tests. By the end of their sophomore year, students complete a research paper utilizing MLA formatting and deliver a short formal speech corresponding to their research paper.

Course: **English 2 Concepts** Relative Value: Table I
Credit: 1.0
Pre-Requisite: English 1 or English 1 Concepts

This course will place a greater emphasis on basic writing and reading skills, accommodating the individual student. Included in the curriculum are novels, plays and a collection of short stories, poems and non-fiction works. Vocabulary and writing skills are emphasized at this level. Grammar and usage are incorporated into the Collins Writing Program. At least two novels and one play are studied.

Course: **Honors English 2** Relative Value: Table III
Credit: 1.0
Pre-Requisite: Department Recommendation

Honors English 2 consists of a more advanced study of the short story, the novel, drama, poetry and non-fiction works. A genre approach is used with respect to the study of literature. The honor students read a minimum of four novels and four plays, two of which are Greek dramas and one Shakespearean play. Students are expected to read independently. Students are also required to recite a passage from a Shakespearean play. The sophomore honor students continue to develop their writing skills through the Collins Writing Program introduced to them freshman year. Grammar and usage are incorporated into this writing program. A study of vocabulary continues throughout the school year as students prepare for the PSAT and SAT tests. By the end of their sophomore year, students complete a research paper utilizing MLA formatting and deliver a short formal speech corresponding to their research paper.

Course: **English 3** Relative Value: Table II
Credit: 1.0
Pre-Requisite: English 2

The English 3 course is a comprehensive chronological study of American literature, from the European settlement of America to the 21st century, within the genres of poetry, drama, the short story, the novella, and the novel. Non-fiction works, including sermons, speeches, letters, journals, and essays, will also be introduced. Students will begin to engage in a greater questioning of literature and will study literary elements including figurative language, mood, imagery, symbolism, and tone. Composition, including a research paper, is also a major component of the course and the Collins Writing program will be implemented.

Course: **English 3 Concepts** Relative Value: Table I
Credit: 1.0
Pre-Requisite: English 2 or English 2 Concepts

This course will be a continuation of the skill levels taught in English 2 Concepts with an emphasis on a thematic approach to American literature. The study of two major American novels and two major plays may also be a requirement of the course. Varying writing assignments will be included. Grammar and usage will be reviewed through these assignments. Students will study literary terms and find examples of terms in literary selections.

Course: **Honors English 3** Relative Value: Table III
Credit: 1.0
Pre-Requisite: Department Recommendation

Honors English 3 is an accelerated curriculum for academically advanced students. A study of American literature through the 21st century will be reviewed exclusively through writing assignments. Grammar and usage will be reviewed through these assignments. The writing program may include creative writing assignments, the essay, and the research paper. The comprehensive study of major American novels, as well as plays which may also be a requirement of the course. Vocabulary and speech requirements will also be integral to the course. Mandatory outside readings will be done in conjunction with the text.

Course: **English 4** Relative Value: Table II
Credit: 1.0
Pre-Requisite: English 3

The English 4 course is a comprehensive chronological study of British literature, from the Anglo-Saxon period to the Modern era, within the genres of poetry, drama, and the novel. Informational texts will also be introduced. Students will begin to engage in a greater questioning of literature and will study literary elements including figurative language, mood, imagery, symbolism, and tone. Compositions of various lengths and time frames, including a research paper, is also a major component of the course.

Course: **English 4 Concepts** Relative Value: Table I
Credit: 1.0
Pre-Requisite: English 3 or English 3 Concepts

The English 4 Concepts course is a survey of British literature, from the Anglo-Saxon period to the Modern era, within the genres of poetry, drama, and the novel. Informational tests will be introduced. Students will begin to engage in a greater questioning of literature and will study literary elements. Composition, over various lengths and time frames, is also a major component of the course.

Course: **Honors English 4** Relative Value: Table III
Credit: 1.0
Pre-Requisite: Department Recommendation

The Honors English 4 course is a comprehensive chronological study of British literature, from the Anglo-Saxon period to the Modern era, within the genres of poetry, drama, and the novel. Informational texts will also be introduced. Students will begin to engage in a greater questioning of literature and will study literary elements including figurative language, mood, imagery, symbolism, and tone. Composition, of various lengths and time frames, including a research paper, is also a major component of the course.

Course: **Advanced Placement English Literature and Composition** Relative Value: Table IV
Credit: 1.0
Pre-Requisite: Department Recommendation

The Advanced Placement English Literature and Composition course engages students in the careful reading and critical analysis of literature. Through the close reading of selected works students will deepen their understanding of the ways writers use language to provide both meaning and pleasure for their readers. As they read, students will consider a work's structure, style, and themes as well as other elements including figurative language, imagery, symbolism, and tone. This course covers an intensive chronological study of British and Irish Literature with the genres of poetry, drama, and the novel. Students will also study the genre of the short story. Additionally, there are selections of American and World Literature included in the course, especially in the drama, novel, and short story components. Compositions will include a series of writings on literary topical genres typical of the expectations of college freshmen, including a research paper. Additionally, this course offers preparation for the A.P. English Literature and Composition exam given in May.

Course: **Advanced Placement English Language and Composition** Relative Value: Table IV
Credit: 1.0
Pre-Requisite: Departmental Approval

This AP English Language and Composition course aligns to an introductory college-level rhetoric and writing curriculum, which requires students to develop evidence-based analytical and argumentative essays that proceed through several stages or drafts. Students will also evaluate, synthesize, and cite research to support their arguments in a variety of speeches. Throughout the course, students develop a personal style by making appropriate grammatical choices. Additionally, students read and analyze the rhetorical elements and their effects in non-fiction texts, including graphic images as forms of text, from many disciplines and historical periods.

Course: **Creative Writing** Relative Value: Table II
Credit: 0.5
Pre-Requisite: None

Subject writing based on investigating and reporting whereas Creative Writing has solid roots in a writer's real-world experiences and memories. Both writing styles are fundamental in journalism. Students participating in this elective will develop their writing skills through weekly journal assignments and classroom editing. Students can expect project-based assignments. They will create their own poetry, short stories, children's book, and essays throughout the year.

Course: **Literature to Film** Relative Value: Table II
Credit: 0.5
Pre-Requisite: None

The Literature to Film course offers a look at various works of literature (including novels, novellas, short stories, and children's literature) and the relationship between those works and the films that they have inspired. Students will have a chance to view black and white films, color films, and animated works (including traditional animation and stop-motion animation). Literature to Film is an English elective that meets three days out of the six-day cycle.

Course: **Introduction to Film** Relative Value: Table II
Credit: 0.5
Pre-Requisite: None

The Introduction to Film course is designed to draw awareness to the genre of film as a form of modern day literature. Careful consideration has been taken to ensure that the works studied are important film works. Additionally, students will study a variety of scripts, storyboards, and screenplays for writing technique and analysis. Students will observe, analyze and evaluate a variety of pivotal movies over the course of the year. A sample syllabus may contain *Life is Beautiful* (Elie Weisel's *Night*), *Casablanca*, *Citizen Kane*, *On the Waterfront*, *The Philadelphia Story*, *Toy Story*, *Beauty and the Beast*, *Star Wars*, *The Maltese Falcon*, *Rear Window*, *The Wizard of Oz*, *High Noon*, *Stagecoach*, *Oklahoma!*, *Chicago*, *Meet Me in St. Louis*, *The Pride of the Yankees*, *We Are Marshall*, *Remember the Titans*, *Adam's Rib*, *Fantasia*, *Shrek*, *Cinderella*, *It Happened One Night*, *Singin' in the Rain*, *Vertigo*, *Mr. Smith Goes to Washington*, *Raiders of the Lost Ark*, *The Last Crusade*, and *The Sixth Sense*.

Course: **Critical Reading** Relative Value: Table I
Credit: 1.0
Pre-Requisite: None

Students will be introduced to the idea of reading as a process with different strategies used before, during, and after reading. Students will learn how to critically read many different kinds of text, including short stories, poems, plays, and nonfiction. Textbook selections from other subject areas will be studied as well. An emphasis will also be placed on reading in the everyday world by using current articles from newspapers and magazines. A study of prefixes, suffixes, and word roots will be ongoing.

Course: **The Write Way: Grammar and Usage**
Credit: 0.5
Pre-Requisite: None

Relative Value: Table II

This elective is intended for college-bound students who are interested in honing their composition and oral skills by learning the requisites of the English language. Students will gain a practical understanding of grammar governing syntax, sentence structure and mechanics. Students will be expected to write a variety of short assignments.

Course: **A.P. Studio Art** Relative Value: Table IV
Credit: 1.0
Pre-Requisite: Art 1 or Art 2 and Department Approval

The Advance Placement Studio Art course follows guidelines set forth by College Board and A.P. Central to allow students to work toward a portfolio that will be judged for potential college credit. There are three A.P. Studio Art courses which include Drawing, 2D Design and 3D Design. Students will be required to select one course and execute related artwork. All A.P. Studio Art courses focus on three central areas including breath, concentration and quality. All students registered for the A.P. Studio Art class must complete a portfolio and submit to A.P. Central in May (additional fees apply). A.P. Studio Art is designed for highly motivated students with an intrinsic drive to create sophisticated college level artwork. Students will be asked to work independently and in class to research and explore drawing and design problems. Summer work may be requested. Grading will be based solely on project rubrics and time management with strict project deadlines.

A.P. Drawing focuses on all types of wet and dry mediums that make artful marks such as pastel, pen, color pencils, acrylic, watercolor, etc.

A.P. 2D Design focuses on design elements and principles on a 2D surface. 2D Design portfolios may include drawings and designs with traditional studio materials as well as photography, digital illustrations and commercial art/graphic design artwork.

A.P. 3D Design also explores design problems, however all work will be 3D in nature and includes more sculptural pieces.

Course: **A.P. Art History** Relative Value: Table IV
Credit: 1.0
Pre-Requisite: Recommendation of Art Teacher and Department Approval

The Advanced Placement Art History course is designed to be the equivalent of a two-semester introductory college level art history survey course, in which students will explore major forms of artistic expression from prehistory to the present including architecture, sculpture, painting and other media from across a variety of cultures. Students will learn to critically analyze works of art within diverse historical and cultural contexts, considering issues such as politics, religion, patronage, gender, and ethnicity. Through the discussion of topics such as the nature of art, its meanings, art making, and responses to art, students will learn about the purpose and function of art as they develop the ability to articulate visual and art historical concepts in verbal and written form.

Course: **Digital Photography**
Credit: 1.0
Pre-Requisite: None

Relative Value: Table II

This course introduces students to the fundamentals of digital photography and computer graphics using the Adobe Creative Suite. Students learn camera handling, composition, resolution, photo manipulation, color correction, lighting and composition related to digital photography. Students will examine bitmap graphics and manipulate images using Adobe Photoshop. This course will also examine vector graphics and drawings to create logos and designs using Adobe Illustrator. Students will bring their creative work together and examine layout design using Adobe InDesign. This course focuses on design aspects related to print and works as a strong compliment to the Web Design course. Portfolios will be developed and participation in the department art exhibit is required. Assessments will include project rubrics, reflections and electronic message board, outside photography and prints. Additional fees will include digital prints using either an inkjet printer (home) or commercial printer source (Shutterfly, CVS, Walgreens, etc.)

FOREIGN/CLASSIC LANGUAGE DEPARTMENT

Course: **French 1** Relative Value: Table II
Credit: 1.0
Pre-Requisite: None

The primary focus of first year French is the development of the language as a means of communication about subjects of everyday interest. The four basic language skills of listening, speaking, reading and writing are introduced. Primary emphasis is placed on the skills of listening and speaking, using appropriate vocabulary and grammar necessary to help the student attain an acceptable level of proficiency. Among the methods used to acquire these skills are repetition and drill, dialogues, and directed dialogues. Students will take the National French Exam during this course.

Course: **French 2** Relative Value: Table II
Credit: 1.0
Pre-Requisite: French 1

French 2 continues the four basic skills of listening, speaking, reading and writing begun in French 1. The primary goal of this course is to promote conversation in the French language, with good pronunciation. A large portion of class time is spent in discussing the content of the reading selections used in drilling the vocabulary and grammar structures present in them. Students will take the National French Exam during this course.

Course: **Honors French 3** Relative Value: Table III
Credit: 1.0
Pre-Requisite: French 2 and Department Approval

The goal of French 3 is to achieve a reasonable fluency in the French language. Some of the more advanced elements of French grammar, idioms, and composition are introduced to students. In order to perfect the reading and writing skills, a variety of reading materials are used. Appropriate videos and cassettes are utilized to enhance the skills of listening and speaking. Students will take the National French Exam during this course.

Course: **Honors French 4** Relative Value: Table III
Credit: 1.0
Pre-Requisite: French 3 and Department Approval

French 4 proposes to help the students express themselves more fluently, to fortify previously learned grammar; to develop an appreciation of contemporary French art, literature, and music; to increase the student's knowledge and understanding of the French language, culture, and people; and to develop a spirit of achievement in the student. More advanced vocabulary and grammatical points are presented. Comprehension and writing skills are advanced through dictations, journal entries and the reading of short stories. Students will take the National French Exam during this course.

Course: **Latin 1**
Credit: 1.0
Pre-Requisite: None

Relative Value: Table II

The first course in Latin involves basic grammar, vocabulary, derivatives, translation, and culture. The declensions, conjugations, and rules of grammar are drilled thoroughly so that students may recognize basic grammatical constructions in Latin, as well as in English and in foreign languages. Vocabulary building is stressed both for reading selections in Latin and for increasing word power in English through derivatives. The story of Aeneas and other miscellaneous selections, written in simple Latin, are translated into English throughout the year. Latin abbreviations and expressions using in English are presented to help students recognize and appreciate interesting and useful proverbs, mottos, and sayings used in the modern world. Elements of day-to-day Roman culture (e.g., parts of the house, gods and goddesses, Roman numerals) are also studied. Students will take the National Latin Exam during this course.

Course: **Latin 2**
Credit: 1.0
Pre-Requisite: Latin 1 and Department Approval

Relative Value: Table II

The second year student translates a choice of readings, which are graduated in difficulty. These include selections from the following: The Timeline Labors of Hercules, Julius Caesar's Commentaries and Ovid's *Metamorphoses*. In addition to a systematic review of first year grammar, more involved grammatical constructions are represented and drilled to facilitate the reading of the Latin authors. Drill in vocabulary and English derivatives is continued in order to build word power. Latin expressions used in English are presented to help the modern reader appreciate and cope with interesting and useful maxims, proverbs and terms used in law. In addition, medical and pharmacological abbreviations are included to provide students with advantage in competitive medical studies. Students will take the National Latin Exam during this course.

Course: **Honors Latin 3**
Credit: 1.0
Pre-Requisite: Latin 2 Teacher Recommendation and Department Approval.

Relative Value: Table III

Third year Latin is designed to take the student beyond the elementary level of reading and understanding Latin literature. Latin 3 focuses on Cicero's orations and letters with special attention to Cicero's rhetorical devices, the importance of the study of rhetoric in ancient times, and a typical outline of a classical oration. There is complete review of Latin forms, syntax and vocabulary needed for mastery during first, second and third years of high school Latin. Latin 3 also presents a rich variety of further Latin readings. Selections from Pliny, Ovid and post-classical Latin round out the content of third year Latin. Latin expressions used in English are presented to help the modern reader appreciate and cope with interesting and useful maxims, proverbs and terms used in law. In addition, medical and pharmacological abbreviations are included to provide students with advantage in competitive medical studies. Students will take the National Latin Exam during this course.

Course: **Honors Latin 4** Relative Value: Table III
Credit: 1.0
Pre-Requisite: Latin 3 Teacher Recommendation and Department Approval.

Fourth year Latin is designed for a course in the reading of Latin poetry. Latin 4 focuses on Vergil's *Aeneid* with special attention to Latin verse, rules of scansion, figures of speech, grammatical constructions common in Latin poetry and vocabulary needed for understanding poetry. Selections from Ovid, Catullus, Horace and Martial illustrate the range in subject, mood, meter and diction to be found in the Late Republic and Early Empire. Latin expressions used in English are presented to help the modern reader appreciate and cope with interesting and useful maxims, proverbs and terms used in law. In addition, medical and pharmacological abbreviations are included to provide students with advantage in competitive medical studies. Students will take the National Latin Exam during this course.

Course: **Spanish 1** Relative Value: Table II
Credit: 1.0
Pre-Requisite: None

Students develop the ability to communicate about themselves and their immediate environment using simple sentences containing basic language structures. The students will communicate in all four language skills – listening, speaking, reading and writing. Emphasis will be placed on the ability to communicate orally and in writing.

Students will demonstrate an understanding of traditions, customs, beliefs, and cultural contributions and how these relate to the native language. Students will connect information about the language with concepts studied in other subjects. Through the study of language and culture, students will develop insight into their own language and culture. Students may participate in the National Spanish Exam to compete against their peers from all parts of the country. Students will take the National Spanish Exam during this course.

Course: **Spanish 2** Relative Value: Table II
Credit: 1.0
Pre-Requisite: Spanish1

Students will continue to develop proficiency in all language skills – listening, reading, speaking and writing. Emphasis will be placed on the ability to communicate both orally and in writing. More complex sentence and language structures will be utilized. The students will read short stories and produce writing samples.

Students will demonstrate an understanding of traditions, customs, beliefs, and cultural contributions in relation to the native language. Students will connect information about the language with concepts used in other subjects. Through the study of language and culture, students will recognize, compare, and contrast language concepts, and participate in a global community using their language skills to communicate with native speakers. Students may participate in the National Spanish Exam to compete against their peers from all parts of the country. Students will take the National Spanish Exam during this course.

Course: **Honors Spanish 3** Relative Value: Table III
Credit: 1.0
Pre-Requisite: Spanish 2 Teacher Recommendation and Department Approval.

Students continue to develop and refine proficiency in all four language skills in all four areas: listening, speaking, reading and writing with an emphasis on the ability to interact orally and in writing. They communicate using more complex language structures on a variety of topics. At this level, students comprehend the main ideas of the authentic materials that they read and hear and are able to identify many details when the topics are familiar. Students gain a deeper understanding of the world around them while studying rights and responsibilities, future plans, choices, environment, technology and humanities. Students will take the National Spanish Exam during this course.

The course's primary goals are to:

- Communicate in Spanish;
- Demonstrate an understanding of traditions, customs, beliefs and cultural contributions and how these elements relate to language;
- Be able to acquire information and connect with other disciplines;
- Learn to function in a variety of practical settings using listening, speaking, reading and writing skills as well as knowledge of the target culture;
- Develop insight into English and their own culture;
- Be able to participate in national testing to compete against their peers from all parts of the country;
- Be introduced to vocabulary imbedded in authentic reading materials with a constant review of grammar introduced at all levels and integrated into readings.

Course: **Honors Spanish 4** Relative Value: Table III
Credit: 1.0
Pre-Requisite: Spanish 3 Teacher Recommendation and Department Approval.

Students develop more sophisticated communication skills in all four areas: listening, speaking, reading and writing with an emphasis on the ability to interact orally and in writing. Authentic reading selections are emphasized at this level. Students communicate using more complex language structures and begin to express abstract ideas.

Students demonstrate an understanding of traditions, customs, beliefs and cultural contributions and how these elements relate to language. They are able to acquire information and connect with other disciplines and learn to function in a variety of practical settings using listening, speaking, reading and writing skills as well as knowledge of the target culture. Students will develop insight into English and their own culture and they will be able to participate in national testing to compete against their peers from all parts of the country. Students will be introduced to vocabulary imbedded in authentic reading materials. A constant review of grammar is introduced at all levels and integrated into readings. Students will take the National Spanish Exam during this course.

Course: **Spanish Language Culture 1** Relative Value: Table I
Credit: 1.0
Pre-Requisite: None

This course introduces and cultivates the Spanish language. Basic everyday vocabulary is introduced through the spoken word while responses to questions are given in Spanish. Composition is also a part of this course.

Course: **Spanish Language Culture 2** Relative Value: Table I
Credit: 1.0
Pre-Requisite: Spanish Language Culture 1

Through the study of language and culture, students will develop insight into their own language and culture. Basic language and grammar is introduced through written and spoken word. Videos, songs, and stories help the students learn of the Hispanic Culture.

HEALTH AND PHYSICAL EDUCATION DEPARTMENT

Course: **Health Education** Relative Value: Table II
Credit: 0.5
Pre-Requisite: None

This course presents skills for wellness by providing accurate and thorough information that young people need to make positive decisions about their health in the areas of physical health, mental health, social health, drugs, nutrition, violence prevention, and exercise. In this course, students are encouraged to realize the choices they make in the present affect their health through life.

Course: **Physical Education** Relative Value: Pass/Fail
Credit: 0.25
Pre-Requisite: None

Physical Education is an activity-based program offering both team and individual choices. An opportunity for every individual to develop and use physical skills at their ability level is offered. The emphasis in the physical education program is placed on movement and participation.

Course: **Fitness and Movement** Relative Value: Table II
Credit: 0.5
Pre-Requisite: None

This course is a combination of strength and aerobic activities interspersed with team games. An emphasis is placed on students qualifying for the President's Physical Fitness award. Events included are a one mile run, push-up and curl-up tests, the sit and reach and a shuttle run. The students receive a numerical grade for this course which includes participation and the ability to complete the President's Physical Fitness Tests.

Course: **Honors Geometry** Relative Value: Table III
Credit: 1.0
Pre-Requisite: Algebra 1 and Diocesan End-of-Year Algebra Assessment.

This accelerated course is the study of advanced geometric theory and its logical extension to coordinate and transformational geometry. The focus of instruction is development of problem solving strategies and facility in creation of original proofs. All geometric concepts dealing with parallel lines, triangles, quadrilaterals, regular polygons, and circles are studied. Additionally, three-dimensional and coordinate geometry are integrated throughout. An introduction to trigonometry is also included.

Course: **Honors Algebra 2** Relative Value: Table III
Credit: 1.0
Pre-Requisite: Algebra 1 and Department Approval

This course is an intense study of algebraic concepts and theory. Topics include polynomials and polynomial functions, advanced factoring techniques, and polynomial inequalities. Rational expressions including negative exponents, as well as rational equations and inequalities are mastered. Students will simplify radical expressions and expressions involving complex numbers. The algebraic parent functions are examined, with an emphasis on quadratic functions and their graphs. Analytic Geometry is also incorporated into this course.

Course: **Algebra 2** Relative Value: Table II
Credit: 1.0
Pre-Requisite: Algebra 1

This course is a study of algebraic theory. Topics include the complex number system, linear, quadratic, polynomial, radical, rational functions, systems of equations and inequalities, and continued development of analytical skills through practical applications.

Course: **Algebra 2 Concepts** Relative Value: Table I
Credit: 1.0
Pre-Requisite: Algebra 1 or Algebra 1 Concepts

This course provides an opportunity for drill and practice at a pace commensurate with student ability. Skills practiced include solving linear equations, using basic factoring techniques, operating with rational expressions, and simplifying expressions/solving equations.

Course: **Honors Pre-Calculus with Trigonometry** Relative Value: Table III
Credit: 1.0
Pre-Requisite: Honors Algebra 2 and Department Approval

Pre-Calculus is an intense, demanding course focused on functions and their graphs. Topics include analytic geometry with emphasis on the theory of equations. Additionally, emphasis is placed upon systems of equations and inequalities, trigonometry and its extensions/applications, and the fundamental notion of a mathematical limit.

Course: **Pre-Calculus with Trigonometry** Relative Value: Table II
Credit: 1.0
Pre-Requisite: Algebra 2

This course focuses on functions and their graphs, including the trigonometric functions as well as logarithmic and exponential functions. Applications of trigonometry are emphasized throughout the course, including right triangle applications and the laws of sines and cosines. Students analyze trigonometric identities, and solve trigonometric equations, as well as logarithmic and exponential equations. Students study sequences and series, and apply sigma notation. The conic sections and analytic geometry are included in this course.

Course: **Trigonometry Concepts with Math Topics** Relative Value: Table I
Credit: 1.0
Pre-Requisite: Algebra 2 Concepts

This course emphasizes angle measurement, right triangle trigonometry, the unit circle and circular functions, applications and models. Additionally, this course provides a general survey of mathematical topics used commonly, such as base discounts, taxes, estimation, working with percent, and understanding graphs.

Course: **Finite Mathematics with Statistics** Relative Value: Table III
Credit: 1.0
Pre-Requisite: Pre-Calculus with Trigonometry and Department Approval.

This course is the traditional post-secondary math requirement for first year college students majoring in business or the social, behavioral, biological sciences. Fundamental themes include linear systems, linear programming, operations with/applications of matrices, mathematics of finance, number theory and counting techniques, probability and statistics, and logic. Practical applications are a primary focus.

Course: **Honors Calculus**

Relative Value: Table III

Credit: 1.0

Pre-Requisite: Honors Pre-Calculus/Trigonometry and Department Approval.

This course includes all theory contained in a one-semester college course for Mathematics/Science majors, and begins with an extensive review of relevant concepts from Trigonometry and Pre-Calculus. The objectives include techniques of differentiation and integration, limits, continuity, and logical extensions to practical applications.

Course: **A.P. Calculus**

Relative Value: Table IV

Credit: 1.0

Pre-Requisite: Honors Pre-Calculus/Trigonometry, Teacher and Department Approval.

Advanced Placement Calculus consists of a full collegiate course in calculus and related topics in accordance with the A.P. Calculus AB Syllabus. This course is intended for students with an in-depth knowledge of college preparatory mathematics, including algebra, axiomatic geometry, trigonometry, analytic geometry, and pre-calculus. Topics include applications to physics/engineering/biological sciences and differential equations. A graphing calculator is required and all students must take the Advanced Placement Examination upon completions of this course.

Course: **Biology**
Credit: 1.0
Pre-Requisite: Physical Science

Relative Value: Table II

Biology is the study of living things. Its primary purpose is to relate to and develop an appreciation of and respect for all living things. All levels of biological organization are discussed from the molecule through cells, tissues, organs, individuals, populations, species, communities and the world biome. Major topics include: scientific method, cell structure and function, genetics, evolution, classification, and the diversity of life. Laboratory work is an essential component of the curriculum. This Biology course is recommended for college bound students and is required for a career in science, nursing, medicine and related fields.

Course: **Honors Biology**
Credit: 1.0
Pre-Requisite: Recommendation of Physical Science teacher and Department Approval.

Relative Value: Table III

Biology is the study of living things. Included in this course is a study of life systems and the dissection of various representative classes of animals. All levels of biological organization are discussed from the molecule through cells, tissues, organs, individuals, populations, species, communities and the world biome. In addition, a variety of research projects as well as article reports are assigned to encourage students to read and to further challenge the more gifted student. Placement in this course is based on teacher recommendation and performance in the freshman year. Laboratory work is an essential component of the curriculum. A research project will be required.

Course: **Honors Biology 2**
Credit: 1.0
Pre-Requisite: Honors Biology and/or Honors Chemistry and Department Approval

Relative Value: Table III

Honors Biology 2, an advanced science elective, introduces new topics that are a continuation of Honors Biology. Because this class emphasizes depth of understanding, a limited number of topics are selected for study. Examples of course material include, but are not limited to, biochemistry, animal behavior, evolutionary biology, genetics, and structure and function of organisms. Scientific articles from a variety of sources and special projects are used to enrich the course. Laboratory work is an essential component of the curriculum. This class is recommended for students who are interested in a major in the life sciences or have an interest in specific biological concepts. Students are required to work at an accelerated pace, utilize higher level thinking skills, and submit high quality work.

Course: **Advanced Placement Biology** Relative Value: Table IV
Credit: 1.0
Pre-Requisite: Honors Biology or Biology. Concurrent enrollment in Honors Chemistry or Honors Physics and Department Approval.

Advanced Placement Biology is designed to meet rigorous national academic standards aimed at teaching high school biology at a collegiate level, while improving the students' critical thinking and analytical problem solving skills. It places emphasis on organic chemistry, molecular biology, cytology, genetics, biotechnology, population genetics, phylogeny, gene regulation, embryology, immunology, and neurology.

The course is fast-paced and requires students to be extremely self-motivated, so it is necessary for students to complete work outside the standard class time. This includes preparatory work over the summer. A test will be given during the first week of school on the independent summer coursework. All students who enroll in this course are required to take the Advanced Placement exam in May which at some institutions may be used for college credit. The course is geared for college-bound students planning to pursue a science career, such as one in medicine, biotechnology or research.

Course: **Chemistry Concepts** Relative Value: Table I
Credit: 1.0
Pre-Requisite: Biology or Biology Concepts

Conceptual Chemistry introduces the student to the concepts and laws of chemistry and their application to real life experiences. The fundamentals of matter, its composition, and reactions are explored. Laboratory work is an essential component of the curriculum.

Course: **Chemistry** Relative Value: Table II
Credit: 1.0
Pre-Requisite: Algebra 2 or concurrent enrollment in Algebra 2 and Department Approval.

Chemistry is a physical science dealing chiefly with the microstructure of matter and all aspects and implications of the structure. Chemistry introduces the student to the mathematical analysis and the verification of the concepts and laws of chemistry. The principle of atomic structure is used to explain the differences occurring in the various types of matter and the changes in composition that matter can undergo. Some course topics included are: the gas laws, nuclear chemistry, the mole concept, carbon chemistry, the modern theories of acids and bases and different types of chemical reactions. Laboratory work is an essential component of the curriculum. Chemistry is necessary for anyone planning careers in science, medicine, nursing, engineering and related fields. A calculator is required.

Course: **Honors Chemistry** Relative Value: Table III
Credit: 1.0
Pre-Requisite: Recommendation of Honors Biology teacher and Department Approval, Honors Algebra 2 or concurrent enrollment in Honors Algebra 2

Chemistry is a physical science dealing chiefly with the microstructure of matter and all aspects and implications of the structure. The principle of atomic structure is used to explain the differences occurring in the various types of matter and the changes in composition that matter can undergo. Some course topics included are: the gas laws, nuclear chemistry, the mole concept, carbon chemistry, the modern theories of acids and bases and different types of chemical reactions. Scientific articles from a variety of sources and special projects are used to enrich the course. Laboratory work is an essential component of the curriculum. A research project will be required. Students are required to work at an accelerated pace, utilize higher level thinking skills, and submit high quality work. A calculator is required.

Course: **Honors Chemistry 2** Relative Value: Table III
Credit: 1.0
Pre-Requisite: Honors Chemistry. Concurrent Enrollment in Honors Physics and Department Approval.

This advanced course is a comprehensive study of the laws, theories and principles of chemistry, emphasizing problem-solving techniques. The major topics covered in this course are molecular structure, thermochemistry, reaction spontaneity, equilibrium, chemical kinetics, oxidation-reduction reactions and solubility prediction. This course uses a college level textbook and requires independent student work. Students are required to work at an accelerated pace, utilize higher level thinking skills, and submit high quality work. A calculator is required.

Course: **Advanced Placement Chemistry** Relative Value: Table IV
Credit: 1.0
Pre-Requisite: Honors Chemistry or Chemistry, Pre-Calculus and Trigonometry. Concurrent Enrollment in Honors Physics and Department Approval.

This advanced course is a comprehensive study of the laws, theories, and principles of chemistry, with a heavy emphasis on problem-solving techniques and drawing conclusions. The major topics covered in this course include chemical bonding, nuclear chemistry, states of matter, chemical reactions, stoichiometry, equilibria, kinetics, thermodynamics, carbon chemistry, and acids and bases. This course uses a college level textbook and requires laboratory work after school and independent student work during the summer months prior to the beginning of the school year. A test will be given during the first week of school on the independent summer course work. All students who enroll in this course are required to take the Advanced Placement exam in May. A calculator is required.

Course: **Physics Concepts** Relative Value: Table I
Credit: 1.0
Pre-Requisite: Chemistry or Chemistry Concepts

Physics Concepts is a course that places primary emphasis on the study of matter-energy relationships through words rather than mathematical relationships. This course will help students to appreciate the world around them through the study of fundamental physical laws. The topics covered include linear motion, sound, light, two-dimensional motion, Newton's Laws of Motion, impulse and momentum, energy, wave motion and electricity. Laboratory work is an essential component of the curriculum.

Course: **Physics** Relative Value: Table II
Credit: 1.0
Pre-Requisite: Chemistry and Department Approval
Pre-/Co-Requisite: Pre-Calculus and Trigonometry

Physics is a study of the physical world as seen through matter-energy relationships. This classical approach to the study of physics acquaints students with the fundamental physical laws and enables development of logical thought processes. This course is designed to help students think and analyze problems in the real world. This physics course will cover measurement, linear motion, two-dimensional motion, sound, light, Newton's Laws of Motion, impulse and momentum, energy, wave motion, and electricity. Vectors are used in certain subject areas. Laboratory work is an essential component of the curriculum. A calculator is required.

Course: **Honors Physics** Relative Value: Table III
Credit: 1.0
Pre-Requisite: Honors Chemistry and Department Approval.
Co-Requisite: Pre-Calculus and Trigonometry, Honors Calculus, A.P. Calculus or Honors Finite Mathematics with Statistics

Physics is a study of the physical world as seen through matter-energy relationships. This classical approach to the study of physics acquaints students with the fundamental physical laws and enables development of logical thought processes. This course is designed to help students think and analyze problems in the real world. This physics course will cover measurement, linear motion, two-dimensional motion, sound, light, Newton's Laws of Motion, impulse and momentum, energy, wave motion, and electricity. The use of vectors is extensive. Laboratory work is an essential component of the curriculum. A calculator is required. The Honors students will be required to design projects pertinent to the concepts presented in this class. A research project will be required. Students are required to work at an accelerated pace, utilize higher level thinking skills, and submit high quality work.

Course: **Honors Anatomy and Physiology** Relative Value: Table III
Credit: 1.0
Co-Requisite: Concurrent Enrollment in Honors Chemistry, Chemistry, Honors Physics or Physics and Department Approval.

Honors Anatomy and Physiology is designed for students who are interested in a career that involves study of the structure and function of the human body. The focus of this course is on the relationship between structures and their functions as each system is presented. Laboratory work is an essential component of the curriculum. Students will dissect a variety of preserved specimens, conduct physiology experiments, and examine objects under the microscope. Scientific articles are utilized to discuss current research information as well as historical information. Students are required to work at an accelerated pace, utilize higher level thinking skills, and submit high quality work. Special projects may be assigned. This course is highly recommended for college-bound students contemplating a career as a biologist, physician, physical therapist, pharmacist, or a myriad of other professions requiring extensive knowledge of the human body.

Course: **Human Anatomy** Relative Value: Table II
Credit: 1.0
Pre-Requisite: Biology and concurrent enrollment or Chemistry or Physics

Human Anatomy is designed for students who are interested in a career that involves the structure and function of the human body. The emphasis for this course is the anatomy of the human body. Some attention will be given to human physiology. Laboratory work is an important component of the curriculum. Students will examine a variety of preserved specimens and examine objects under the microscope. Scientific articles are utilized to discuss current research information as well as historical information. Special projects may be assigned. This course is recommended for students contemplating a career in the sciences, especially a medically-related field.

Course: **Environmental Science** Relative Value: Table II
Credit: 1.0
Pre-Requisite: Biology and concurrent enrollment in Chemistry or Physics

This interdisciplinary class is of special interest to the student who is interested in environmental issues. The history of environmental science, major concepts in environmental science, and current topics are the focus of the course. Scientific articles from a variety of sources are used to enrich the curriculum. Laboratory work and special projects enhance the curriculum. This course is recommended for college-bound students who anticipate a career in the sciences as well as those with a specific interest in environmental science. Local environmental issues will be examined.

Course: **Forensic Science** Relative Value: Table II
Credit: 0.5
Pre-Requisite: Biology and Concurrent enrollment in Chemistry or Physics

Forensic science is a quickly growing and competitive field. Forensic science will focus on the crime scene, trace evidence (e.g., DNA fingerprinting), document analysis, entomology, forensic anthropology, and portrayal in the media. Laboratory work is an essential component of the curriculum. This course is intended for college bound students who anticipate a career in science as well as those with a special interest in forensic science.

Course: **Introduction to Design and Basic Engineering** Relative Value: Table II
Credit: 0.5
Pre-Requisite: Concurrent enrollment in Chemistry or Physics

Careers in design and engineering fields take abstract ideas and apply science and mathematics to build products to meet the needs of mankind. This course will explore principles of engineering and design fields through a project-based learning approach, which incorporates the areas of science, technology, and mathematics (**STEM**). For example, students will have the opportunity to use modeling supplies to construct prototypes, work with computer modeling software, learn about the basics of circuitry, and be introduced to computer programming syntax and theories needed to run computer operations and create code for video games. Emphasis will be placed on the engineering design process. Students will also have the opportunity to explore trends, current innovation, and career opportunities. Grades will be based on student process and products, assignments, and reflections.

SOCIAL STUDIES DEPARTMENT

Course: **Life Skills** Relative Value: Pass/Fail
Credit: 0.5
Pre-Requisite: None

This course is designed to reinforce basic life skills, relevant to a variety of life areas. Included are: student input on life skills ideas, character development, reviewing the driver's manual, focus on finding a career (including filling out job applications and looking up jobs in the classifieds), managing finances, checkbook application (including writing deposit slips, writing checks, and keeping a running ledger balance), and discussion of credit card usage (pros and cons). Also provided are opportunities to cover timely topics, such as, peer pressure, self-esteem, assertiveness training and other confidence building skills. A written reflection paper about the course is completed at the end of the fourth quarter.

Course: **U.S. History 2** Relative Value: Table II
Credit: 1.0
Pre-Requisite: None
Grade Level Freshman

U.S. History 2 is a course that will study the rapid economic, political, and social changes in the United States from 1850 and focus on U.S. developments and accomplishments. This course will emphasize America's involvement in both world wars as well as their participation in global conflicts and limited wars. Additionally, the students will be responsible for analyzing current events, evaluating the changes that occurred in the recent centuries (20th and 21st) and how they affect our country today, assessing their impact on current and future societies.

Course: **Honors U.S. History 2** Relative Value: Table III
Credit: 1.0
Co-Requisites: Honors Freshman Courses

Honors U.S. History 2 is a course that will study the rapid economic, political, and social changes in the United States from 1850 ~~to the present~~ and focus on U.S. developments and accomplishments. This course will emphasize America's involvement in both world wars as well as the nation's participation in global conflicts and limited wars. Additionally, the students will be responsible for analyzing current events, evaluating the changes that occurred in the recent centuries (20th and 21st) and how they affect our country today, and assessing their impact on current and future societies. The course will also explore various research methods with the goal of completing a research paper and/or project.

Course: **World History 2** Relative Value: Table II
Credit: 1.0
Grade Level: Juniors

World History 2 will focus on the rapid economic, political, and social changes in the world. It will cover the period from the Renaissance to the present. This course will emphasize the world's involvement and participation in global conflicts and limited wars. Additionally, the students will be responsible for analyzing current events, evaluating the changes that occurred in the 20th century and how they affect our world today, and assessing their impact on current and future societies.

Course: **Honors World History 2** Relative Value: Table III
Credit: 1.0
Pre-Requisite: Department Approval.

Honors World History 2 offers a comprehensive study of World History from the Renaissance to the present. This course will focus on selected topics, such as the cultural contributions of specific groups in history (i.e. religious, social, fundamentalist, etc.). Additionally, the students will be responsible for analyzing current events, evaluating the changes that occurred in the 20th century and how they affect our world today, and assessing their impact on current and future societies. Acceptance into this course is based on academic achievement, high level of interest, and teacher recommendation.

Course: **American Government** Relative Value: Table II
Credit: 1.0
Pre-Requisite: U. S. History 2

American Government will mainly focus on the workings of our government and the concepts of our democracy as established in the U.S. Constitution from its foundation to its ever-changing present. Students in this course will study about the activities and composition of the three levels of government as well as the branches of government. Other issues, such as voting, non-voting, the formation and roles of political parties and the issues and candidates concerning local, state, and national elections, will also be studied. Additionally, international events and issues as they relate to U.S. policy will be examined and discussed as these events unfold.

Course: **Honors American Government** Relative Value: Table III
Credit: 1.0
Pre-Requisite: US History 2 and Department Recommendation

Honors American Government will mainly focus on the workings of our government and the concepts of our democracy as established in the US Constitution from its foundation to its ever-changing present. Students in this course will study about the activities and composition of the three levels of government as well as the branches of government. Students will learn the rights and responsibilities of citizenship. Other issues, such as voting, non-voting, the formation and roles of political parties and the issues and candidates concerning local, state, and national elections, will also be studied. Additionally, international events and issues as they relate to US policy will be examined and discussed as these events unfold. Other skills that will be enhanced, include (but are not limited to) data interpretation and analysis of primary documents.

Course: **A.P. United States History** Relative Value: Table IV
Credit: 1.0
Pre-Requisite: Honors U.S. History 2 and Department Approval.

Advanced Placement U.S. History is offered to select students in the senior Social Studies program. Students will engage in an outlined course of study emphasizing the nineteenth and twentieth centuries through considerable classroom time spent mastering techniques of essay writing and analyzing historical documents. The students will describe the major political, economic, social, literary, and cultural history of the United States by the following frames:

- Period 1: 1491 – 1607
- Period 2: 1607 – 1754
- Period 3: 1754 – 1800
- Period 4: 1800 – 1848
- Period 5: 1844 – 1877
- Period 6: 1865 – 1898
- Period 7: 1890 – 1945
- Period 8: 1945 – 1980
- Period 9: 1980 - Present

An examination using the standard test from the Advanced Placement Program will be given in May. Participating students must take the A.P. Examination upon completion of the course. This evaluation score can qualify the student for undergraduate college credit.

Course: **A.P. U.S. Government and Politics** Relative Value: Table IV
Credit: 1.0
Pre-Requisite: Department Approval

AP United States Government and Politics will give students an analytical perspective on government and politics in the United States. This course includes both the study of general concepts used to interpret U.S. government and politics and the analysis of specific examples. It also requires familiarity with the various institutions, groups, beliefs, and ideas that constitute U.S. government and politics. Students will be expected to become acquainted with the variety of theoretical perspectives and explanations for various behaviors and outcomes.

Course: **Modern American History** Relative Value: Table II
Credit: 1.0
Pre-Requisite: US History 2 and American Government
(Senior requirement for non A.P. Government or A.P History students.)

The purpose of this course is to expand on US History 2. The course will examine 20th and 21st century US History. Great emphasis will be placed on the presidencies of the era, as well as major events and current affairs. Areas of study include: The Cold War; The Korean Conflict; The UN; Vietnam; Civil Rights Movements; The Middle East; America and the World.

Course: Honors **Modern American History** Relative Value: Table III
Credit: 1.0
Pre-Requisite: US History 2, American Government and Department Recommendation

The purpose of this course is to expand on US History 2. The course will examine 20th and 21st century US History. Great emphasis will be placed on the presidencies of the era, as well as major events and current affairs. Areas of study include: The Cold War; The Korean Conflict; The UN; Vietnam; Civil Rights Movements; The Middle East; America and the World. The Honors class will include a more in-depth look at the topics using document analysis and a variety of research and writing skills.

Course: **Criminal Law** Relative Value: Table II
Credit: 0.5
Pre-Requisite: None

This course is designed to assist students with identification of criminal behaviors and activities. The course defines crime and helps students to classify the different categories of crimes. Students will also examine the philosophies of criminals and identify causes and effects of crime on individuals and society. This course will also identify the individual rights of the accused and the constitutionality of crime and criminals.

Course: **Psychology** Relative Value: Table II
Credit: 0.5
Pre-Requisite: None

Psychology is an elective course that surveys the science of psychology, its theoretical foundations, and practical applications. The areas surveyed include motivation, emotion, learning, sensation and perception, personality, social behavior and techniques of measurement and developmental psychology. It includes both individual and group activities.

Course: **Sociology** Relative Value: Table II
Credit: 0.5
Pre-Requisite: None

Sociology emphasizes learning through inquiry requiring a high level of student participation. Students study the elements of sociological theory and the elements of social research while investigating the various societies, their customs, cultures, institutional roles, and social problems such as: poverty, racism, drugs, delinquency, alcoholism, child abuse, and teenage suicide. Role-playing is encouraged.

Course: **Mythology** Relative Value: Table II
Credit: 0.5
Pre-Requisite: Completion of World Cultures and Department Approval

The student is first introduced to a proper background of Mythological terminology, names, symbols and historical folklore. This is followed by a concentrated study of the writings of Homer, especially the *Iliad* and the *Odyssey*. Finally, the manner in which the people of that time perceived the gods, the nature of man and the problems of life are explored.

Course: **World Geography and International Relations** Relative Value: Table II
Credit: 1.0
Pre-Requisite: None

Through this course, students gain a greater awareness of the world community in which they live. The content focuses on the physical, cultural and economic geography of various nations in Europe, Asia, South America, North America and Africa, as well as emphasizing map skills and general geographic concepts and themes. This course will also examine political and economic systems throughout the world. This course will examine world relations, focusing on areas of conflict and turmoil.

THEOLOGY DEPARTMENT

Overview

The secondary Religious Education Program seeks to form the whole Christian person in an integrated faith life within the Church community by interweaving the four components of catechesis: word, worship, community, and service. First, young people develop their understanding of the **Catholic tradition** through the study of content of the Church's faith.

Second, the Secondary Religious Education Program acknowledges the tremendous need for the accompanying spiritual development of the teen. Students integrate the knowledge gained about the Church's faith with their own lived religious experience. They are invited to participate in various forms of prayer and worship that are essential to the life of a believer. Young people encounter the Scriptures not simply as a textual object for study but as the living word.

Third, the young person's commitment to God in faith finds expression in a corresponding commitment to the **community of the church**. In the Church's ministry to young people in the Religious Education Program, the students may recognize their own vital place within the community of disciples. They are welcomed, valued, supported, and guided.

Finally, young people are initiated into the gospel mandate of **service to others**. Teachers present love of neighbor not so much as a command, but as a way of life. The communion with God overflows into action in the service of others, particularly those most in need. Secondary students engage in service hours as a necessary component of their progress in the program.

Christian Service

Relative Value: Pass/Fail

To be a student at Holy Cross High School is to make a positive commitment to serve others. This is the gift and responsibility of every Christian. Holy Cross High School recognizes this call to serve as a vital element in the student's growth in faith.

All students are required to participate in the service program sponsored by Holy Cross High School. This program reaches out to 1) the school community; 2) the parish community; 3) the local civic community; and 4) the global community. Underclassmen are required to complete twenty (20) hours of service during each year as part of this structured service program. Seniors are required to complete forty (40) hours of service.

REQUIREMENTS:

A designated Bible must be purchased through the 9th grade Theology class. The Bible will be used for four (4) years of study.

Course: **Theology 1**
Credit: 1.0
Pre-Requisite: None

Relative Value: Table III

Theology 1 is divided into two parts: The Revelation of Jesus Christ in Scripture and Who is Jesus Christ?

The Revelation of Jesus Christ in Scripture

The purpose of this course is to give students a general knowledge and appreciation of the Sacred Scriptures. Through their study 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 its section. The student will pay particular attention to the Gospels where they may grow to know and love Jesus Christ more personally.

Who is Jesus Christ?

The purpose of this course is to introduce students to the Mystery of Jesus Christ, the Living Word of God, the second Person of the Blessed Trinity. In the course the student will understand that Jesus Christ is the ultimate revelation to us from God. In learning about who He is, the student will also learn what He calls them to be.

Course: **Theology 2**
Credit: 1.0
Pre-Requisite: None

Relative Value: Table III

Theology 2 is divided into two parts: The Mission of Jesus Christ (The Paschal Mystery) and Jesus Christ's Mission Continues in the Church.

The Mission of Jesus Christ (The Paschal Mystery)

The purpose of this course is to help students understand all that God had 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 be introduced to what it means to be a disciple of Christ and what life as a disciple entails.

Jesus Christ's Mission Continues in the Church

The purpose of this course is to help the student understand that in and through the Church they encounter the Living Jesus Christ. They will understand 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 had 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.

Course: **Theology 3**
Credit: 1.0
Pre-Requisite: None

Relative Value: Table III

Theology 3 is divided into two parts: Sacraments as Privileged Encounters with Jesus Christ and Life in Jesus Christ.

Sacraments as Privileged Encounters with Jesus Christ

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.

Life in Jesus Christ

The purpose of this course is to help students understand that it is only through Christ that they can fully live out God's plans for their lives. Students are to learn the moral concepts and precepts that govern the lives of Christ's disciples.

Course: **Theology 4**
Credit: 1.0
Pre-Requisite: None

Relative Value: Table III

Theology 4 is divided into two parts: Sacred Scripture and The History of the Church

Sacred Scripture

The purpose of this course is to give an overview of Sacred Scripture with an introduction to the basic principles for understanding and interpreting the Bible. Because of the extent of the scriptural material, this outline will not try to cover the vast content but rather offer comments about Scripture's purpose and religious significance. Given the limits of a semester of study, it will not be possible to introduce all the books of the Bible. But every effort is made to project a sense of the unity of the narrative for the divine plan of salvation, the presence of God's action in this record of his Revelation, and his desire to share his merciful love with us.

History of the Church

This course presents a catechesis of the Church and the Body of Christ in history: its nature and meaning, images, marks, life and ministry, guide to moral life, and the role of prayer. The purpose of the course is to supply the students with a general knowledge of the Church's history from apostolic times to the present. They will be introduced to the fact that the Church was founded by Christ through the Apostles and is sustained by him throughout history through the Holy Spirit. The students will come to know that the Church is the living Body of Christ today and, as such, has both divine and human elements. In this course, the students will learn about the Church's 2,000 years of history and about how the Church is led and governed by the successors of the Apostles.

Course: **St. Paul: A Man of Letters** Relative Value: Table II
Credit: 0.5
Pre-Requisite: None

This elective course will give the students a thorough knowledge of the life and letters of St. Paul. Particular focus will be placed on Romans I and II, Corinthians and Galatians. Students will receive a detailed understanding of issues such as authorship and inspiration. Topics such as salvation, suffering and other major theological issues will also be covered in detail.

Course: **Awaken to Prayer** Relative Value: Table II
Credit: 0.5
Pre-Requisite: Department Approval

In this elective course, students will “experience” the meaning of prayer. What is prayer? How can I pray? The course will include an overview of the classic texts of Catholic spirituality and prayer, the prayer of the saints, the use of scripture for prayer, meditation, and contemplation. The elective will explore the Mass, Liturgy of the Hours, *Lectio Divina* the *Our Father*, litanies, conscious breathing and mindfulness, and centering prayer. No text is required other than the students’ copies of *The New American Bible*.

CAREER-TECHNICAL TRAINING

General Information

Students participating in the Career Technology program will take classes on a half-day basis at the Career Technology Center of Lackawanna County located at the Henry J. Dende Center on Rockwell Avenue in Scranton.

Participating school districts include: Carbondale, Dunmore, Forest City, Lakeland, Mid-Valley, North Pocono, Scranton, and Valley View.

Course:	Career Technology Elective	Relative Value: Table 1
Credit:	2 in Grades 10 and 11 3 in Grade 12	

Pre-Requisite: Acceptance by the Career Technology Center through application.
Applications available at www.ctclc.edu.

Courses offered to replace electives that would have been chosen at the home school include:

Automotive Technology	Building Maintenance Technology
Carpentry	Child Development
Collision Repair Technology	Computer Systems Technology
Cosmetology	Culinary Arts
Electrical Construction and Maintenance	Graphics & Printing Communications
Health Occupations Technology	Plumbing & Heating
Protective Services Occupations	Trowel Trades
Visual Art and Design	Welding Technology