Blacklick Valley Jr. Sr. High School

Planned Course of Study

Grades 7-12

Updated Spring 2022

Mission:

Build a community of stakeholders who
Value education and graduate
Students who are college/career ready and are
Dedicated to life-long learning.

Vision:

The Blacklick Valley School District will change the culture of learning by committing to high expectations for learning, engaging in rigorous instructional practice and implementing an aligned and relevant curriculum.

Contents

General Information

Non-Discrimination Policy Statement:

Blacklick Valley School District will not discriminate in its educational programs, activities, or employment practices based on race, color, national origin, sex, age, religion, ancestry, handicap, union membership or any other legally protected classification. Announcement of this policy is in accordance with state and federal laws, including Title IX of the Education Amendments of 1.0972, and sections 503 and 504 of the Rehabilitation Act of 1.0973.Employees, students, parents, participants who have an inquiry or complaint of harassment or discrimination, or who need information about accommodations for handicapped persons should contact the Title IX, Section 504 and Support Programs Coordinator, at the Blacklick Valley School District, 555 Birch Street, Nanty Glo, PA1.05943. Phone (814) 749-9211.0.

Scheduling:

The school will consider the individual career choices of each student and plan a course of study that best suits his/her needs. Blacklick Valley Jr. Sr. High School encourages students to take a variety of courses that will fit their individual needs, interests, and aptitudes.

Standardized Testing Requirements:

<table>
<tr><th>Grade</th><th colspan="4">TESTS</th></tr>
<tr><td>7</td><td>PSSA ELA</td><td>PSSA Math</td><td></td><td></td></tr>
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<tr><td>9</td><td rowspan="4">Keystone Algebra</td><td rowspan="4">Keystone Biology</td><td rowspan="4">Keystone Literature</td><td rowspan="4">Recommended
– PSAT
– SAT or ACT</td></tr>
<tr><td>10</td></tr>
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<tr><td>12</td></tr>
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These tests have four performance levels: Advanced, Proficient, Basic, and Below Basic. Student results on these tests will aid in the determination of required remediation coursework or eligibility for advanced coursework for the student.

Effective with the graduating class of 2023, students have the option to demonstrate postsecondary preparedness through one of four additional pathways that more fully illustrate college, career, and community readiness.

1. Pass all Keystone with proficient or advanced scores OR achieve the composite score determined by PDE.

2. Local grade requirements (pass all classes in the Keystone Exam content areas) and one of the following criteria:
    a. Attainment of an established score on the SAT, PSAT, ACT or the ASVAB
    b. Attainment of at least the Gold Level on the ACT WorkKeys® Assessment
    c. Attainment of an established score on an Advanced Placement (AP) or International Baccalaureate Diploma Program (IB) exam in the associated Keystone Exam content area
    d. Successful completion of a concurrent enrollment course or any postsecondary course in the associated Keystone Exam content area
    e. Successful completion of a pre-apprenticeship program
    f. Acceptance to an accredited four-year nonprofit institution of higher education and evidence of the ability to enroll in college-level, credit-bearing coursework

3. Local grade requirements (pass all classes in the Keystone Exam content areas) and attain an industry-based competency certification on tests such as the NOTCI or the NIMS.

4. Local grade requirements (pass all classes in the Keystone Exam content areas) and provide three (3) pieces of evidence that reflect readiness for meaningful postsecondary engagement consistent with the student's goals and career plan.

Junior High School Requirements (7-8):

Subject	Required Number of Year Length Courses
Language Arts	2
Science	2
Mathematics	2
Physical Education and Health.	0.50 - quarter per year
Social Studies	2
Arts & Humanities	6

Art & Humanities include: Library, Music, Art, STEM, Keyboarding, Computers, Guidance, Band, and Chorus.

High School Graduation Requirements (9-12):

changes start with 2023 graduating class

Subject	Required Credits
Language Arts	4.0
Science (at least 3)	7.0
Mathematics (at least 3)	
Health & Phys Ed.	1.0
Social Studies - including Civics	3.0-4.0*
Arts & Humanities/Electives - including Spanish	10 -11.0
Vo-TECH credits	3.0-9.0
TOTAL	**26**

* Students must achieve a passing score on the required Citizenship Test as prescribed under Pennsylvania Act 35 of 2018.

Art & Humanities include: Library, Music, Art, STEM, Spanish 1 through 4, Guidance, Computers, Band, Chorus, Media and any other Elective Courses offered.

Grade Point Average:

A cumulative percentage average will be calculated for each student in grades nine through twelve. This percentage is used to determine a student's eligibility or status when applying to institutions of higher learning, class rank, academic honors or awards, and other academically competitive situations. It will be kept in strict confidence. A cumulative percentage average will be included on transcripts sent to institutions of higher learning without a signed request by parent or guardian even if a student is younger than 18. It will begin with the student's first semester average in the ninth grade. A student's semester average will be calculated by adding together all the percentages reported at that semester and dividing by the number of courses. The final grade point average will be an average of all eight previous semester averages.

A percentage GPA will be determined using the formula:

$$\sum (\text{Grade Points} \times \text{Adjusted Credit Value}) / \sum \text{Adjusted Credit Value}$$

Class Ranking:

Class rank will be determined at semester time and at the end of the year, beginning with the first semester of the 9^{th} grade. Class rank is used to determine a student's academic rank within their grade level class. Class rank is also used to determine a student's eligibility or status when applying to institutions of higher learning, academic honors or awards, and other academically competitive situations. Class rank will be reported on a student's transcript. Requests for a student's rank can be made by the student or by their parent/guardian.

Promotion Policy:

Promotion to the next academic year will be determined for each student after reviewing his/her attendance record and grade report.

Admiral Peary Vocational Technical School

Vocational and Technical education is available to students in grade 10, 11, and 12. Bus transportation is provided from Blacklick Valley Jr. Sr. High School to AVTS and back to the school daily. **Students will earn 4.0 credits each year they attend and successfully complete their vo-tech program.**

Visit http://www.admiralpeary.tec.pa.us for more information

Auto Body \ Collision Repair

Automotive Technology Repair

Carpentry

Cosmetology

Culinary Arts

Early Childhood Teacher Education

Electrical Technologies

Engineering Technology

Health Assisting

Heating and Ventilation

Masonry

Networking

Small Engine Repair

Welding

Co-Operative Education Program

Accelerated College Education (ACE) Program

The Accelerated College Education (ACE) Program is a partnership between Pennsylvania Highlands Community College and the Blacklick Valley Jr. Sr. High School. ACE offers college credits to high school students during the regular school day. ACE courses are taught by certified high school teachers who assure that the academic rigor is equivalent to the same course taught on the Pennsylvania Highlands campus. ACE provides both high school and college credit (concurrent enrollment) allowing students to fulfill high school graduation requirements while earning college credits.

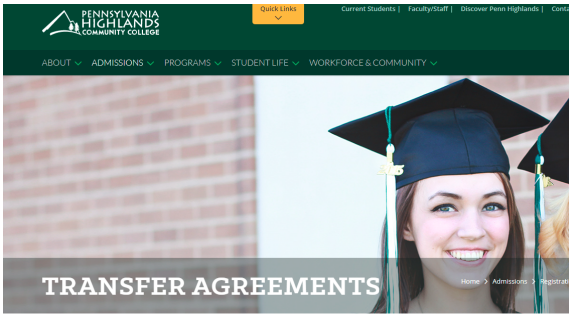
ACE STUDENT PROFILE

Students who are both capable of completing more advanced work and have a serious commitment to putting forth the required extra effort are encouraged to apply. The ACE program begins in 9th grade for students. In May, a parent information meeting will be held for interested 8th graders.

BENEFITS FOR STUDENTS

- Enroll in Pennsylvania Highlands Community College courses while simultaneously earning a high school diploma.
- College equivalent courses are taught by high school faculty on the student's high school campus.
- Earn college credits while attending high school and begin college with transferable credits.
- Improve abilities and skills to complete college work for credit.
- Increase confidence from success in college-level courses.
- Experience college level expectations from equivalent curriculum and assessment.
- Receive an official college transcript.

Visit the link below to discover which ACE credits can be transferred to different colleges/universities:
https://www.pennhighlands.edu/admissions/registration/transfer-opportunities/transfer-agreements/



Language Arts

Suggested Sequence of Courses:
Students may take courses from both the General and Accelerated Columns.

Language Arts	General	*Accelerated*	Additional Language Arts Requirements
7th grade	MS ELA 1	*HONORS MSELA*	Writing 7 (rotation)
8th grade	MS ELA 2	*HONORS Introduction to Literary Studies*	Writing 8 (rotation)
9th grade	Introduction to Literary Studies	*HONORS World Literature*	
10th grade	World Literature HS English Composition & Literature	*HONORS American Literature*	Keystone Exam-Literature if taking American Literature
11th grade	American Literature HS English Composition & Literature	*Composition I & Composition II*	Keystone Exam-Literature if taking American Literature
12th grade	Grammar and Rhetoric **OR** Composition I & 2 (Penn Highlands D.E. Eng. 110 & 200) **OR** AP Literature and Composition	*AP Literature and Composition*	

Students can take either Composition I **OR** Grammar and Rhetoric (Grammar and Rhetoric is a watered down version of Composition I)

Middle ELA I

Course Description:
This course explores a variety of literary genres. The primary focus is to study and to employ sound reading strategies in the analysis of literature. Students read, respond to, and extend text based on literal and figurative interpretations. Students also evaluate text and examine reading elements through text-dependent analysis. Students also define, locate, and explain a myriad of literary devices, concentrating specifically on those outlined by the Pennsylvania Department of Education Common Core Standards for Reading, Writing, Speaking and Listening.

Topics Covered:
Through a reading of fiction (science fiction, fantasy, fables, myths, short stories, novels etc.); nonfiction (essays, biographies, autobiographies, informational writing, persuasive text, etc.); drama, and poetry (narrative poems, structured poems, free verse, epics, etc.) students will glean meaning and demonstrate comprehension through examinations, practice guides, oral feedback, performance assessments and presentations. Students will view and interpret videos and other multi-media that extend and/or supplement classroom readings and/or strategies.
Students will study the role that language plays in written text. This will be accomplished by analyzing vocabulary in text, examining complex new terms, and utilizing grade appropriate vocabulary in original writing. Students will also explore the dictionary in regards to organization, information, and utilization.

Writing 7

Course Description:
This course is a general survey of Language Expression, Language Mechanics, and Writing. The course is divided into two major units including grammar and writing. Students explore topics such as note taking, outlining, and reference material and library usage. Upon mastery of those areas, students begin an intensive, systematic application of grammar, usage, and mechanics as a means of furthering writing conventions and style. The primary focus of this study is to enhance oral and written expression.
Students are immersed in a variety of writing exercises to explore the process and purpose of writing. Units include descriptive writing, informative writing, persuasive writing, and narrative writing.

Topics Covered:
Students will incorporate proper grammar and usage into speaking and writing, utilize appropriate spelling, define and use the eight parts of speech correctly (in isolation and in the context of writing), explain and employ the writing process, utilize resource materials to research information, increase vocabulary through memorization and context referencing, engage in active listening, and speak and read appropriately in a given context.

Middle ELA II
Prerequisite Course: Middle School Literature I OR exceptional PSSA scores in 6th grade/performance in the 6th grade reading curriculum

Course Description:
The primary focus of this course is to study and to employ sound reading strategies in the study of literature. Students read, respond to, and extend text based on literal and figurative interpretations. Students also evaluate text and examine reading elements through text-dependent analysis. Students also define, locate, and explain a myriad of literary devices, concentrating specifically on those outlined by the Pennsylvania Department of Education Common Core Standards for Reading, Writing, Speaking and Listening.

Topics Covered:
Through a reading of nonfiction, poetry, and novels students will glean meaning and demonstrate comprehension through examinations, practice guides, oral feedback, performance assessments and presentations. Students will also view and interpret videos and other multi-media that extend and/or supplement classroom readings and/or strategies.
Students will study the role that language plays in written text. This will be accomplished by analyzing vocabulary in text, examining complex new terms, utilizing grade appropriate vocabulary in original writing.
Students will study a cross-curriculum unit on the Holocaust. Material will be presented from a historical perspective and from a literary perspective.
Additionally, students will focus on the concept of bullying and how bullying is portrayed and/or resolved in literature.

Writing 8

Course Description:
This course integrates a comprehensive, intense review of grammar, mechanics and study skills. Students review topics such as note taking, outlining, and reference material usage. Next, students reinforce grammar applications and mechanics. The purpose is to review and refine skills learned in the English 7 curriculum. Students also define, locate, and explain myriad writing strategies, concentrating specifically on those outlined by the Pennsylvania Department of Education Common Core Standards for Reading, Writing, Speaking and Listening.

Topics Covered:
Students will incorporate proper grammar and usage into speaking and writing, utilize appropriate spelling, define and use the eight parts of speech correctly (in isolation and in the context of writing), explain and employ the writing process, utilize resource materials to research information, increase vocabulary through memorization and context referencing, engage in active listening, and speak and read appropriately in a given context.

Introduction to Literary Studies
Prerequisite Course: Middle School Literature II
Credits: 1.0

Course Description:
Introduction to literary studies integrates the topics of grammar, writing, and literature in a comprehensive year-long study. The primary focus of this course is to study and to employ sound reading and literary strategies in the study of literature. Students read, respond to, and extend text based on literal and figurative interpretations through text dependent analysis. Students also define, locate, and explain a myriad of literary devices, concentrating specifically on those outlined by the Pennsylvania Department of Education Common Core Standards for Reading, Writing, Speaking and Listening.

Topics Covered:
During the writing units, students will develop proficiency in five domains: focus, content, organization, style, and conventions. Grammar and mechanics will be addressed in regards to writing conventions. Students will also explore the role of language and vocabulary in literature and in society. Students will complete a research project that explores the method of research as well as appropriate documentation of sources. Students will also read a myriad of literature from genres including short stories, nonfiction, novels, poetry, and drama. The focus of the literature study is on tolerance, justice, prejudice, and cultural diversity. Students read, respond to, and extend text based on literal and figurative interpretations. Students also define, locate, and explain a myriad of literary devices, concentrating specifically on those outlined by the Pennsylvania Department of Education Common Core Standards for Reading, Writing, Speaking and Listening .

Honors Introduction to Literary Studies
Prerequisite Course: Middle School Literature II
Credits: 1.0

Course Description:
Honors Introduction to literary studies integrates the topics of grammar, writing, and literature in a comprehensive, rigorously paced year-long study. The primary focus of this course is to study and to employ sound reading and literary strategies in the study of literature. Students read, respond to, and extend text based on literal and figurative interpretations through text dependent analysis. Students also define, locate, and explain a myriad of literary devices, concentrating specifically on those outlined by the Pennsylvania Department of Education Common Core Standards for Reading, Writing, Speaking and Listening.

Topics Covered:
During the writing units, students will develop proficiency in five domains: focus, content, organization, style, and conventions. Grammar and mechanics will be

addressed in regards to writing conventions. Students will also explore the role of language and vocabulary in literature and in society. Students will complete a research project that explores the method of research as well as appropriate documentation of sources. Students will also read a myriad of literature from genres including short stories, nonfiction, novels, poetry, and drama. The focus of the literature study is on tolerance, justice, prejudice, and cultural diversity. Students read, respond to, and extend text based on literal and figurative interpretations. Students also define, locate, and explain a myriad of literary devices, concentrating specifically on those outlined by the Pennsylvania Department of Education Common Core Standards for Reading, Writing, Speaking and Listening .

World Literature
Prerequisite Course: Introduction to Literary Studies
Credits: 1.0

Course Description:
The primary focus of this course is to study and to employ sound reading and literary strategies in the study of literature. Students read, respond to, and extend text based on literal and figurative interpretations though text dependent analysis.. Students also define, locate, and explain a myriad of literary devices, concentrating specifically on those outlined by the Pennsylvania Department of Education Common Core Standards for Reading, Writing, Speaking and Listening.

Topics Covered:
Students will read a diverse compendium of world literature from genres including short stories, novels, poetry, nonfiction, and drama. The focus of the literature study at this level is to increase reading appreciation. Moreover, students will define vocabulary and comprehension strategies to strengthen independent reading. Students read, respond to, and extend text based on literal and figurative interpretations. Students also define, locate, and explain a myriad of literary devices, concentrating specifically on those outlined by the Pennsylvania Department of Education Academic Standards for Reading, Writing, Speaking and Listening. Students complete extensive writing exercises and prompt to develop proficiency in five domains: focus, content, organization, style, and conventions. Any grammar and mechanics deficiencies should be reinforced through concentrated mini-lessons in context. Students will also explore the role of language in literature and in society. Students will complete a mini research project that explores the method of research as well as appropriate documentation of sources.

Honors World Literature
Prerequisite Course: Introduction to Literary Studies or Honors Introduction to Literary Studies
Credits: 1.0

Course Description:
The primary focus of this course is to study and to employ sound reading and literary strategies in a rigorously paced study of literature from around the world. Students read, respond to, and extend text based on literal and figurative interpretations as demonstrated through text dependent analysis.. Students also define, locate, and explain a myriad of literary devices, concentrating specifically on those outlined by the Pennsylvania Department of Education Common Core Standards for Reading, Writing, Speaking and Listening.

Topics Covered:
Students will read a diverse compendium of world literature from genres including short stories, novels, poetry, nonfiction, and drama. The focus of the literature study at this level is to increase reading appreciation. Moreover, students will define vocabulary and comprehension strategies to strengthen independent reading. Students read, respond to, and extend text based on literal and figurative interpretations. Students also define, locate, and explain a myriad of literary devices, concentrating specifically on those outlined by the Pennsylvania Department of Education Academic Standards for Reading, Writing, Speaking and Listening. Students complete extensive writing exercises and prompt to develop proficiency in five domains: focus, content, organization, style, and conventions. Any grammar and mechanics deficiencies should be reinforced through concentrated mini-lessons in context. Students will also explore the role of language in literature and in society. Students will complete a research project that explores the method of research as well as appropriate documentation of sources.

American Literature
Prerequisite Course: Introduction to Literary Studies and World Literature
Credits: 1.0

Course Description:
The study American literature scrutinizes language and literature from the Native Americans to the present day. The primary focus of this course is to study and to employ sound reading and literary strategies in the study of American literature. Students read, respond to, and extend text based on literal and figurative interpretations. Students also define, locate, and explain a myriad of literary devices, concentrating specifically on those outlined by the Pennsylvania Department of Education Common Core Standards for Reading, Writing, Speaking and Listening.

Topics Covered:
Students will examine short stories, novels, nonfiction, poetry, and drama in the historical context of the development of the United States and the conceptual development of the "American Dream." Units will address the skills of vocabulary,

reading comprehension, literary interpretation, and social influence in historical sequence. Students read, respond to, and extend text based on literal and figurative interpretations. Students also define, locate, and explain a myriad of literary devices, concentrating specifically on those outlined by the Pennsylvania Department of Education Common Core Standards for Reading, Writing, Speaking and Listening. Students complete extensive writing exercises to develop proficiency in five domains: focus, content, organization, style, and conventions. Any grammar and mechanics deficiencies should be reinforced through concentrated mini-lessons in context. Students will also explore the role of language in literature and in society. Students will complete a research project that explores the method of research as well as appropriate documentation of sources.

Honors American Literature
Prerequisite Course: Introduction to Literary Studies and World Literature
Credits: 1.0

Course Description:
The study of American literature scrutinizes language and literature as it develops. This course will extend beyond formal writing assessment and literal reading. Instruction will facilitate higher-level thinking and critical analysis through formal and creative writing, class discussion, and performance assessments. As the students prepare to enter post-secondary experiences, instruction reinforces the fundamentals of proficient writing and effective reading.

Topics Covered:
During the study of writing, students will complete specific exercises and to develop proficiency in five domains: focus, content, organization, style, and conventions. Any grammar and mechanics deficiencies should be reinforced through concentrated mini-lessons (preferably in context).
When studying literature, students will examine short stories, novels, nonfiction, poetry, and drama in the historical context of the development of the United States. Units will address the skills of vocabulary, reading comprehension, literary interpretation, and social influence in historical sequence. Students read, respond to, and extend text based on literal and figurative interpretations. Students also define, locate, and explain a myriad of literary devices, concentrating specifically on those outlined by the Pennsylvania Department of Education Common Core Standards for Reading, Writing, Speaking and Listening.

Grammar and Rhetoric
Prerequisite Course: Introductions to Literary Studies, World Literature and American Literature

Credits: 1.0

Course Description:
Grammar and Rhetoric emphasizes the techniques of writing informational, persuasive and narrative essays with stress upon careful thinking, word choice, sentence structure, and methods of organization. Students practice the writing of clear, coherent, and unified paragraphs and essays. Students are also taught research skills required to write informational, persuasive and/or narrative papers research papers.

Editing skills and the use of correct grammar and mechanics are also emphasized. Instruction will also focus on technical writing skills necessary to compose a business letter, a memo, a resume, forms, applications, and/or a public service announcement.

Topics Covered:
Throughout the course of the year, students will review the practice of Standard English grammar, punctuation, mechanics, and usage, including the following: parts of speech; fragments; run-ons; pronoun agreement, reference, and case; consistency in tense, person, sentence structure, mood, and voice; subject-verb agreement; modifiers: misplaced and dangling modifiers, adjective and adverb usage; punctuation: comma, semicolon, colon, dash, brackets, parentheses, ellipsis marks, quotation m marks; mechanics: hyphen, apostrophe, italics; spelling, capitalization, and numbers.
Students will write essays that include the use of a thesis statement and topic sentences, adequate support, unity, coherence, and suitable organization.
Students will develop and employ research skills including gathering of information from sources; evaluation of sources; summary, paraphrase, and quotation from sources; documentation, using MLA format; creation of outline and bibliography; avoiding plagiarism; analysis and synthesis of information; basic understanding of MLA format.
Students will also complete a variety of public presentation assignments that will focus on speech delivery skills such as eye contact, poise, diction, phrasing, pacing, volume, and overall effectiveness of delivery.
Students will also read and respond to literature using critical thinking skills and higher level analysis skills.

HS English Composition & Literature
Credits:1.0

Course Description:

The primary focus of this course is to study and to employ sound reading and literary strategies in a more intensive study of literature from around the world. Students read, respond to, and extend text based on literal and figurative interpretations as demonstrated through text dependent analysis.. Students also define, locate, and explain a myriad of literary devices, concentrating specifically on those outlined by the Pennsylvania Department of Education Common Core Standards for Reading, Writing, Speaking and Listening.

Topics Covered:
Students will examine short stories, novels, nonfiction, poetry, and drama. Units will address the skills of vocabulary, reading comprehension, literary interpretation, and social influence in historical sequence. Students read, respond to, and extend text based on literal and figurative interpretations. Students also define, locate, and explain a myriad of literary devices, concentrating specifically on those outlined by the Pennsylvania Department of Education Common Core Standards for Reading, Writing, Speaking and Listening. Students complete writing exercises to develop proficiency in five domains: focus, content, organization, style, and conventions. Any grammar and mechanics deficiencies should be reinforced through concentrated mini-lessons in context. Students will also explore the role of language in literature and in society. Students will complete a research project that explores the method of research as well as appropriate documentation of sources.

English Composition I
Prerequisite Course: Introduction to Literary Studies, World Literature, and American Literature (traditional or honors)
Credits: 0.65 (semester)
College Credits Available: Penn Highlands Community College

Course Description:
English Composition I emphasizes the techniques of writing expository essays with stress upon careful thinking, word choice, sentence structure, and methods of organization. Students practice the writing of clear, coherent, and unified paragraphs and essays. Students are also taught research skills and are required to write an argumentative research paper. Editing skills and the use of correct grammar and mechanics are also emphasized. Instruction will also focus on technical writing skills necessary to compose a business letter, a memo, a resume, forms, applications, and a public service announcement.

Topics Covered:
Throughout the course of the year, students will review the practice of Standard English grammar, punctuation, mechanics, and usage, including the following: parts of speech; fragments; run-ons; pronoun agreement, reference, and case; consistency in tense, person, sentence structure, mood, and voice; subject-verb agreement; modifiers: misplaced and dangling modifiers, adjective and adverb usage; punctuation: comma, semicolon, colon, dash, brackets, parentheses, ellipsis marks,

quotation marks; mechanics: hyphen, apostrophe, italics; spelling, capitalization, and numbers.
Students will write essays that include the use of a thesis statement and topic sentences, adequate support, unity, coherence, and suitable organization. Moreover students will write in all of the following rhetorical modes: narration, description, process, definition, cause/effect, exemplification, comparison/contrast, and argumentation. Students are also required wit write an analytical research paper. Students will also employ critical reading and thinking skills and strategies including evaluation of research sources, persuasion, avoidance of fallacies in reasoning, and analysis and refutation of opposing views. Students will develop and employ research skills including gathering of information from sources; evaluation of sources; summary, paraphrase, and quotation from sources; documentation, using MLA format; creation of outline and bibliography; avoiding plagiarism; analysis and synthesis of information; basic understanding of MLA and APA format. Students will also complete a variety of public presentation assignments that will focus on speech delivery skills such as eye contact, poise, diction, phrasing, pacing, volume, and overall effectiveness of delivery.

English Composition II
Prerequisite Course: English Composition I
Credits: 0.65 (semester)
College Credits Available: Penn Highlands Community College

Course Description:
English Composition II: Studies in Literature emphasizes the study of literary terms and techniques frequently used in literature. This course introduces students to major themes found in fiction, poetry, and drama. Students are required to read various types of literature and must be able to respond to their readings in well-developed essays and in an analytical research paper as well as to participate in class discussions. This is a standard college introductory level literature course.
Topics Covered:
Students will explore literary concepts & terminology relating to fiction, poetry, & drama - including but not limited to: identifying a character as flat or round, static or dynamic; establishing the point of view of a story (omniscient, limited omniscient, first person, objective); distinguishing between verbal, dramatic, & situational irony; differentiating the denotation & connotation of words; identifying imagery in poetry ; locating symbols, images, similes, & metaphors in poetry; identifying paradox, oxymoron, overstatement, & understatement; comprehending common historical, literary, & biblical allusions; identifying alliteration, assonance, & consonance; applying knowledge of rhythm & meter of a poem through scansion; comparing various forms & patterns of poetry (such as sonnets, limericks, haiku); identifying the protagonist & antagonist; distinguishing between a soliloquy & an aside; demonstrating knowledge of basic theatrical conventions associated with drama; & identifying the setting in various pieces of writing. Moreover they will utilize critical reading & thinking strategies including analysis of literary texts & evaluation of research sources. This will include developing plot outlines' analyzing

theme; recognizing literary symbols; stating the tone of a piece of writing; applying literary terminology holistically to interpret all types of writing discussed in class; citing textual quotations & paraphrases as needed; creating explications & analyses of literature; interpreting literary works; supporting interpretation from the literary text; recognizing the distinction between realism & the fantastic in literature & apply it to interpretation; organizing information appropriately; create appropriate thesis statement & topic sentences; applying MLA format to document sources without plagiarism; & displaying knowledge of standard English grammar, spelling, punctuation, & mechanical conventions in interpretive writing. Students will write literary essays, including the use of a thesis statement & topic sentences, adequate support from the literary text, unity, coherence, suitable organization, & English grammar, punctuation, mechanics, & usage. Students will employ sound research strategies including gathering of information from sources; evaluation of sources; summary, paraphrase, & quotation from sources; documentation, using MLA format; creation of outline & bibliography; avoiding plagiarism; analysis & synthesis of information. This research will culminate in the writing of the analytical research paper.

Advanced Placement Literature and Composition
Prerequisite Course: Advanced Studies in Literature
Credits: 1.1

Course Description:
This course includes intensive study of representative works from various genres and periods, concentrating on works of recognized literary merit. The pieces chosen invite and reward rereading and do not, like ephemeral works in such popular genres as detective or romance fiction, yield all (or nearly all) of their pleasures of thought and feeling the first time through . Reading will be accompanied by thoughtful discussion and writing about those books in the company of one's fellow students. Reading in an AP course is both wide and deep. This reading necessarily builds upon and complements the reading done in previous English courses so that by the time students complete their AP course, they will have read works from several genres and periods — from the 16th to the 21st century. In the course, they read deliberately and thoroughly, taking time to understand a work's complexity, to absorb its richness of meaning, and to analyze how that meaning is embodied in literary form. In addition to considering a work's literary artistry, students reflect on the social and historical values it reflects and embodies. Careful attention to both textual detail and historical context provides a foundation for interpretation, whatever critical perspectives are brought to bear on the literary works studied. A generic method for the approach to such close reading involves the following elements: the experience of literature (the subjective dimension of reading and responding to literary works, including pre-critical impressions and emotional responses), the interpretation of literature (the analysis of literary works through close reading to arrive at an understanding of their multiple meanings), and the evaluation of literature (an assessment of the quality and artistic achievement of literary works and a consideration of their social and cultural values).

Student writing to understand a literary work may involve writing response and reaction papers, along with annotation, free writing and keeping some form of a reading journal. Writing to explain a literary work involves analysis and interpretation and may include writing brief focused analyses on aspects of language and structure. Writing to evaluate a literary work involves making and explaining judgments about its artistry and exploring its underlying social and cultural values through analysis, interpretation and argument.

Topics Covered:

- Reading

  The approach to analyzing and interpreting the material involves students in learning how to make careful observations of textual detail, establish connections among their observations, and draw from those connections a series of inferences leading to an interpretive conclusion about the meaning and value of a piece of writing .
  Most of the works studied in the course were written originally in English, including pieces by African, Australian, Canadian, Indian and West Indian authors. Some works in translation may also be included (e .g ., Greek tragedies, Russian or Latin American fiction) .
  In an ongoing effort to recognize the widening cultural horizons of literary works written in English, literature will include diverse authors in the representative reading lists. Issues that might, from a specific cultural viewpoint, be considered controversial, including references to ethnicities, nationalities, religions, races, dialects, gender or class, are often represented artistically in works of literature. The principal focus in the AP course means that students gain awareness that the English language that writers use has changed dramatically through history, and that today it exists in many national and local varieties. They also become aware of literary tradition and the complex ways in which imaginative literature builds upon the ideas, works and authors of earlier times. Because the Bible and Greek and Roman mythology are central to much Western literature, students should have some familiarity with them. These religious concepts and stories have influenced and informed Western literary creation since the Middle Ages, and they continue to provide material for modern writers in their attempts to give literary form to human experience. Additionally, the growing body of works written in English reflecting non-Western cultures may require students to have some familiarity with other traditions.

- Writing

  Writing is an integral part of the AP English Literature and Composition course and exam. Writing assignments focus on the critical analysis of literature and include expository, analytical and argumentative essays. Although critical analysis makes up the bulk of student writing for the course, well-constructed creative writing assignments may help students see from the inside how literature is written. Such experiences sharpen their understanding of what writers have accomplished and deepen their appreciation of literary artistry. The

goal of both types of writing assignments is to increase students' ability to explain clearly, cogently, even elegantly, what they understand about literary works and why they interpret them as they do. Writing instruction includes attention to developing and organizing ideas in clear, coherent and persuasive language. It includes study of the elements of style. And it attends to matters of precision and correctness as necessary. Throughout the course, emphasis is placed on helping students develop stylistic maturity, which, for AP English, is characterized by the following: a wide-ranging vocabulary used with denotative accuracy and connotative; a variety of sentence structures, including appropriate use of subordinate and coordinate constructions; a logical organization, enhanced by specific techniques of coherence such as repetition, transitions and emphasis; a balance of generalization with specific illustrative detail; and an effective use of rhetoric, including controlling tone, maintaining a consistent voice, and achieving emphasis through parallelism and antithesis .

Functional English
Credits:1.0

Course Description:Functional English is a course designed to prepare students for Introduction to Literature Studies. This course provides additional instruction based on core ELA topics.

Topics Covered:

Reading Comprehension
Written Expression
Supporting Detail
Vocabulary
Text Dependent Analysis
Genre Identification
Main Idea
Text Analysis
Grammar

HS English Language Arts
Credits:1.0

Course Description:
This course is designed for students to learn basic reading skills to apply to everyday life. Students will practice with word recognition, reading comprehension, sequencing, and reading for a purpose. Students will also practice spelling everyday words, alphabetizing words, and learn basic writing skills

Topics Covered:
Students will learn to read everyday materials such as schedules, recipes, directions, menus, instructions, ads, coupons, labels, packaging, grocery lists, catalogs, newspapers, guides, maps, phone books, magazines, and dictionaries. Students will learn to write complete sentences, paragraphs, and friendly and business letters.

Mathematics

Suggested Sequence:

Students may take courses from both the General and Accelerated Columns.

MATH	General	*Accelerated*	Additional Math Requirements
7th grade	Math Course 2 Fundamental Math	Pre-Algebra	PSSA Math 7 Exam
8th grade	Math Course 3 Fundamental Math	Algebra 1	PSSA Math 8 Exam And/or Keystone Algebra 1 Exam
9th grade	Algebra 1 Algebra 1A Fundamental Math	Geometry	Keystone Algebra 1 Exam
10th grade	Algebra 1B Geometry Fundamental Math	Geometry OR Algebra 2	Algebra 1B – Keystone Exam
11th grade	Algebra 2 Fundamental Algebra Fundamental Math Geometry	Precalculus with TRIG Prereq. – Algebra 2	
12th grade	Algebra 2 Pre-Calc with TRIG Fundamental Math Fundamental Algebra	Calculus Or College Algebra	

Math Courses 2 & 3

Course Description:
In this course students will explore the language of algebra, geometry, data analysis, probability, and statistics in verbal, tabular, graphical, and symbolic form. Students will apply their knowledge in problem solving activities that will encourage students

to model patterns and relationships with variables, and functions and to construct, draw, measure, and classify geometric figures.

Topics Covered:
Expressions, Operations and Equations with Integers and Rational Numbers
Multi-Step Equations and Inequalities
Ratio, Proportion, and Similar Figures
Linear Functions and Graphs
Powers, Square Roots, Real Numbers, Right Triangles and the Pythagorean Theorem
Area, Perimeter, Surface Area and Volume
Odds and Probability

Pre-Algebra/Math Accelerated

Course Description:
In this course students will explore the language of algebra, geometry, data analysis, probability, and statistics in verbal, tabular, graphical, and symbolic form. Students will build skills from both grade 7 standards as well as grade 8 standards in order to be prepared for Algebra 1. Students will apply their knowledge in problem solving activities that will encourage students to model patterns and relationships with variables, functions, and to apply this to real world problems. Students will also dig deeper into geometry through basic concepts as well as advanced concepts like surface area and volume. Students will make connections to other topics of study in order to see the universality of mathematics.

Topics Covered:
Rational Numbers and Exponents
Proportionality and Linear Relationships
Algebraic Expressions, Equations, and Inequalities
Statistics and Probability
Congruence, Similarity, and Transformations
Volume and Surface Area

Algebra 1
Prerequisite Course: Pre-Algebra or Math Course 3
Credits: 1.0

Course Description:
In this course students will explore the language of algebra, geometry, data analysis, probability, and statistics in verbal, tabular, graphical, and symbolic form in a continuation from Pre-Algebra. Students will apply their knowledge in problem

solving activities that will encourage students to model patterns and relationships with variables, and functions. Students will focus on linear relationships and apply linear functions to real-world applications. Students will connect mathematics to other topics they are studying such as biology, geography, art, history, and health, through problems that are rich in algebraic concepts.

Topics Covered:

Expressions, Equations, and Functions
Linear Equations
Linear Functions and Relations
Linear Inequalities
Systems of Linear Equations and Inequalities
Polynomials
Factoring and Quadratic Equations
Quadratic and Exponential Functions
Radical Functions and Geometry
Rational Functions and Equations
Statistics and Probability

Algebra 2
Prerequisite Course: Algebra I
Credits: 1.0

Course Description:
In this course students will relate and apply algebraic concepts to statistics, data analysis, probability, and discrete mathematics. Students will apply their knowledge in problem solving activities that will encourage students to model patterns and relationships with variables and functions. Students will explore and apply various types of relations including quadratic, polynomial, exponential, logarithmic, and radical functions. Students will connect mathematics to other topics they are studying such as biology, geography, art, history, and health, through problems that are rich in algebraic concepts.

Topics Covered:
Linear Relations, Equations and Inequalities
Quadratic Relations, Functions and Graphs
Exponential and Logarithmic Functions and Relations
Arithmetic and Geometric Sequences and Series
Systems of Equations and Inequalities
Probability and Statistics

College Algebra
Prerequisite Course: Algebra 2
Credits: 1.3
College Credits Available: Penn Highlands Community College

Course Description:
In this course students will relate and apply algebraic concepts to pre-calculus, statistics, data analysis, probability, and discrete mathematics. Students will use

graphing calculators as an integrative tool to assist in the development of advanced topics. Students will apply their knowledge in problem solving activities that will encourage students to communicate and model patterns and relationships with variables and functions. Students will be introduced to calculus topics including limits, derivatives, and integrals.

Topics Covered:
Radical, Rational, and Logarithmic Expressions
Solving Equations and Inequalities
Polynomial, Rational, Exponential, and Logarithmic Functions and Graphing Circles

Fundamental Algebra
Prerequisite Course: Algebra I
Credits: 1.0

Course Description:
In this course students will explore the language of algebra, geometry, data analysis, probability, and statistics in verbal, tabular, graphical, and symbolic form in a continuation of Algebra I.

Topics Covered:
Expressions, Equations, and Functions
Linear Equations
Linear Inequalities
Systems of Linear Equations and Inequalities
Polynomials
Factoring and Quadratic Equations
Quadratic and Exponential Functions
Radical Functions and Geometry
Rational Functions and Equations
Statistics and Probability

Functional Math
Prerequisite Course: special permission
Credits: 1.0

Course Description:

Functional Math is a course designed for secondary education students who have a grasp of basic mathematical computation. This course provides additional instruction for applying computational skills as a consumer. The instruction provided uses a variety of realistic, consumer-oriented applications which reinforce and extend students' mastery of basic mathematical applications.

Topics covered:

Earning Money
Shopping for Clothing
Buying and Maintaining a Car
Budgeting Your Money
Paying Taxes
Buying Food
Managing a Household
Traveling
Banking and Investing
Preparing for Careers

Geometry
Prerequisite Course: Algebra I
Credits: 1.0

Course Description:
In this course students will relate and apply algebraic concepts to geometry, statistics, data analysis, probability, and discrete mathematics. Students will connect mathematics to other topics they are studying such as biology, geography, art, history, and health, through problems that are rich in algebraic concepts. Students will apply their knowledge in problem solving activities that will encourage students to communicate and model patterns and relationships with variables and functions and to construct, draw, measure, and classify geometric figures.

Topics Covered:

Tools of Geometry
Reasoning and Proof
Parallel and Perpendicular Lines
Congruent Triangles
Relationships in Triangles
Quadrilaterals
Proportions and Similarity
Right Triangle and Trigonometry
Transformations and Symmetry
Circles
Area, Perimeter, Volume, and Surface Area of Two and Three Dimensional Figures

Pre-Calc with Trigonometry
Prerequisite Course: Algebra I and Algebra II
Credits: 1.0

Course Description:
In this course students will learn the fundamentals of trigonometry. Trigonometry is developed from a right triangle perspective and also by utilizing a unit circle

approach. Students will explore radian and degree measure, triangle properties, and the graphs of the trigonometric functions and their inverses using traditional paper and pencil methods as well as through the use of graphing technology. Students will become familiar with various trigonometric identities and their use in verifying other identities as well as in solving trigonometric equations. This course is designed as a preparation for Calculus and higher mathematics that rely heavily on the concepts of trigonometry.

Topics Covered:

Angle measure in degrees/radians.
Special right triangles.
Trigonometric functions in the coordinate plane.
Fundamental identities.
Verifying trigonometric identities.
Solving right triangles.
Applications of static trigonometry.
Arc length, velocity, and the area of a circular sector.
The Unit Circle and trigonometry of real numbers.
Trigonometric graphs and models.

Calculus
Prerequisite Course: Pre-Calc with Trigonometry
Credits: 1.3
College Credits Available: Penn Highlands Community College

Course Description:

In this course students will expand upon and apply algebraic concepts to pre-calculus, statistics, data analysis, probability, and discrete mathematics. Students will use graphing calculators as an integrative tool to assist in the development of advanced topics. Students will apply their knowledge in problem solving activities that will encourage students to communicate and model patterns and relationships with variables and functions. Students will be introduced to calculus topics including limits, derivatives, and integrals.

Topics Covered:

Polynomial and Rational Functions and Their Graphs
Exponential and Logarithmic Functions and Their Graphs
Analyzing Graphs of Functions
Combinations of Functions
Inverse Functions
The Fundamental Theorem of Algebra
Limits and Their Properties
Finding Limits Graphically, Numerically, and Analytically
Continuity and One-Sided Limits
Definition of Derivative
Basic Differentiation Rules
The Product and Quotient Rules, Chain Rule and Implicit Differentiation
Related Rates
Applications of Differentiation
Antiderivatives and Indefinite Integration
Area Under a Curve
Integration by Substitution
Fundamental Theorem of Calculus

HS Math
Credits: 1.0

Course Description:

This course is designed to provide students with the math skills they will need in everyday life. The students will learn basic math concepts such as math facts, simple

math calculations, money, time, and measurement. They will then apply those basic concepts to daily living skills.

Topics Covered:

Addition, subtraction, and simple multiplication math facts, solving addition and subtraction calculations, counting money, making change, solving money calculations, budgeting money, writing and managing checks, telling time, time management, elapsed time, using a calendar, measuring units of liquid and dry, measuring height and weight, comparing measurements, and temperature.

Functional Math 1

Credits: 1.0

Course Description:

Functional math 1 is a course designed as the first class in preparation for Algebra courses. This course provides additional instruction on methods to solve problems and apply strategies to real life applications. The styles of instruction includes a combination of traditional paper/pencil as well as inclusion of technology based practice.

Topics Covered:

Algebraic Language
Understanding Integers
Exponents and Roots
Algebraic Expressions
Geometry: Congruence & Transformations
Percents
One/Two Step Equations
One/Two Step Inequalities
Statistics/Probability
Perimeter/Area

Functional Math 2

Credits: 1.0

Course Description:

Functional math 2 is a course designed as the second class in preparation for Algebra courses. This course provides additional instruction on methods to solve problems and apply strategies to real life applications. The styles of instruction includes a combination of traditional paper/pencil as well as inclusion of technology based practice.

Topics Covered:

Review of Functional Math 1 Topics
Linear Functions/Slope
Ratios, proportions, similar figures
Multi-step inequalities
Subtracting Linear Expressions
Percents Equations
Multi-Step Equations
Adding Linear Expressions

Science

Suggested Sequence:
Students may take courses from both the General and Accelerated Columns.

Science	General	*Accelerated*	Additional Science Requirements
7th grade	Science 7		
8th grade	Science 8		PSSA Science Exam
9th grade	Contemporary Environmental Science	*Honors Biology 1*	Keystone – Biology Exam
10th grade	Biology 1 Biology 1A Pre-Chemistry	*Biology 2 with LAB and Pre-Chemistry*	Keystone – Biology Exam
11th grade	Biology 1B Pre-Chemistry STS – Health Care STS - STEM	*Biology 2 with LAB* *Anatomy & Physiology* *Intro to Chemistry with LAB*	Keystone – Biology Exam
12th grade	Pre-Chemistry STS – Health Care STS - STEM	*Biology 2 with LAB* *Anatomy & Physiology* *Intro to Chemistry with LAB* *Advanced Chemistry with LAB* *Physics with LAB*	

SCIENCE 7:

Course Description:

The seventh grade science course is an introductory exploration of Earth and Space Science, Physical Science and Life Science through lecture, demonstration and laboratory activities. The scientific method will be emphasized throughout the course.

The Physical Science Units explores basic concepts of chemistry and physics. The relationships of matter and energy form the fundamental laws that govern all interactions and are basic to all sciences. Topics covered in Physical Science include:motion, forces, simple machines,matter, substances, mixtures,atoms, elements, and physical and chemical properties and changes.

In the Earth systems unit, students are introduced to the Earth's biosphere, lithosphere, atmosphere and hydrosphere and learn the many ways in which they interact. Topics covered in Earth and Space Science include: Earth's Atmosphere, Weather and Climate,Earth Layers, Fossils and Soil, Earth's Water, the Solar System, Stars and Galaxies and Sun-Earth-Moon System. Students will visit the school planetarium as part of the curriculum.

In the life science unit, students will focus on the commonality of life. Topics covered in Life Science include **:** Classifying Life**,** Cell Structure**,**From a Cell to an Organism**,** populations, communities, symbiotic relationships and biomes.

SCIENCE 8

Course Description:
In Grade 8, students will be exposed to the following branches of science: Life Science, Physical Science and Earth and Space Science. These branches of science all establish a foundation for further success throughout high school and provide exposure to science and the natural world. The branches of science are taught through formal lecture, laboratory/hands-on activities, demonstrations and projects. The goal of the course is to consistently carry the idea of the scientific method throughout the year. The beginning of the year will be an overview of the Nature of Science with a review of laboratory techniques. In addition, students will complete a science fair project following the nature of science guidelines-required as part of the course.

The Life Science Units will cover the topics of Cells, Cell structure/function, Cell Cycle (mitosis/meiosis), Genetics (genes, chromosomes, inheritance and punnett squares), the Environment (matter and energy), Ecosystems (producers/consumers) and Energy flow and Biomes.

The Physical Science Units will cover the topics of The Periodic Table of Elements (elements, matter, drawing atoms, Law of conservation of Mass- balancing equations, formulas-compounds, mixtures), Density, Review of chemical and physical properties/changes, Conservation of Energy, Energy (potential/kinetic), Review of motion (speed, velocity, acceleration, distance/displacement, work, power, simple machines, Review forces, Newton's Laws

The Earth and Space Units will cover the topics of Tectonics, Earthquakes, Volcanoes and Hurricanes, Rocks and Minerals, Review of Atmosphere, Weather/Climate, Seasons/Moon Phases

Honors Biology 1
Credits: 1.0

Course Description:
This introductory biology course provides an overview of the basic principles of biology including ecology, the structure and function of the cell, bioenergetics, cellular respiration, photosynthesis, mitosis, meiosis, DNA, genetics and evolution. This biology course deals with the variety of living things in the world and is designed to cover all of the major forms of life but heavily emphasizes the basic similarities and patterns found in nature. The student is helped to discover his/her place in the world of life in regard to their effect on the world and, in turn, its effect on him or her. Units are developed from centrality of the cell in structure and function, as well as the basic commonness of all life at this level.

Topics Covered:
Ecology
Characteristics of living things
Levels of organization
Biochemistry
Cell membrane
Cell transport
Cell structure
Cell organelles
Bioenergetics - cellular respiration and photosynthesis
Mitosis
Meiosis
Genetics
DNA
Evolution

Biology 1
Prerequisites: Contemporary Environmental Science
Credits: 1.0

Course Description:
This introductory biology course provides an overview of the basic principles of biology including the structure and function of the cell, biochemistry, bioenergetics, cellular respiration, photosynthesis, mitosis, meiosis, DNA, genetics and evolution. This biology course deals with the variety of living things in the world and is designed to cover all of the major forms of life but heavily emphasizes the basic similarities and patterns found in nature. The student is helped to discover his/her place in the world of life in regard to their effect on the world and, in turn, its effect on him or her. Units are developed from centrality of the cell in structure and function, as well as the basic commonness of all life at this level.

Topics Covered

Biochemistry
Cell membrane
Cell transport
Cell structure
Cell organelles
Bioenergetics - cellular respiration and photosynthesis
Mitosis
Meiosis
Genetics
DNA
Evolution

Biology 1A
Prerequisites: Contemporary Environmental Science
Credits: 1.0

Course Description:
This introductory biology course provides an overview of the basic principles of biology including the structure and function of the cell, cellular respiration, photosynthesis. This biology course deals with the variety of living things in the world and is designed to cover all of the major forms of life but heavily emphasizes the basic similarities and patterns found in nature. The student is helped to discover his/her place in the world of life in regard to their effect on the world and, in turn, its effect on him or her. Units are developed from centrality of the cell in structure and function, as well as the basic commonness of all life at this level.

Topics Covered:

Biochemistry
Cell membrane
Cell transport
Cell structure
Cell organelles
Bioenergetics - cellular respiration and photosynthesis

Biology 1B
Prerequisites: Contemporary Environmental Science and Biology 1A
Credits: 1.0

Course Description:
This introductory biology course provides an overview of the basic principles of biology including mitosis, meiosis, DNA, genetics and evolution. This biology course deals with the variety of living things in the world and is designed to cover all of the major forms of life but heavily emphasizes the basic similarities and patterns found in nature. The student is helped to discover his/her place in the world of life in regard to their effect on the world and, in turn, its effect on him or her. Units are developed from centrality of the cell in structure and function, as well as the basic commonness of all life at this level.

Topics Covered:
Mitosis
Meiosis
Genetics
DNA
Evolution

Biology 2 with LAB
Prerequisites: Honors Biology or Biology 1 with a 93% or better average
Credits: 1.3
College Credits Available: St. Francis University

Course Description:
This course is a weighted honors course for juniors and senior students. Participants need to have successfully completed general Biology 1.0 with a 93% or better. The course content is a phylogenetic approach (i.e. the major grouping of living things) along with a review of basic biological concepts. All six kingdoms are discussed as to classification and diversity at the beginning of the course and then there is a major emphasis on the animal kingdom. Investigation of similarities and differences in the living world is the major emphasis. Dissection of representative organisms for practical application of information is stressed.

Topics Covered:
Mini Biology I Review
The Six Kingdoms of Classification
- Animals
- Plants
- Protists
- Fungi
- Eubacteria
- Archaebacteria

Classification and Taxonomy
Cell Biology (review)
Genetics (review)
Mitosis (review)
Meiosis (review)
Vertebrate Animal Tissues
Animal Development
Animal Kingdom
-Phyla Porifera
-Phyla Cnidaria
-Phyla Platyhelminthes
-Phyla Nematoda
-Phyla Mollusca
-Phyla Annelida
-Phyla Arthropoda
-Phyla Echinodermata
-Phyla Chordata

Anatomy and Physiology
Prerequisites: Honors Biology I, or Biology 1 with a B average
Credits: 1.3
College Credits Available: Mt. Aloysius College

Course Description:
This human anatomy and physiology course is intended for any student who is considering a future in a medical or health services related field who has successfully completed Biology 1.0 with a B average. There is emphasis on terminology and the awareness of "root" words, prefixes and suffixes that make up medical/physiological terminology. Each of the major systems is covered - first in terms of anatomy and then applied physiology. A substantial amount of time is spent on information basic to all systems. Application of information and exposure to careers is an important supplement to the overall course design as permitted.

Continued on the next page…
Topics Covered:
Mini Biology I Review
Topic 1.0 – Structure and function of the body
Topic 2 – Cells and Tissues
Topic 3 - Integumentary System
Topic 4 – Skeletal System
Topic 5 – Muscular System
Topic 6 - Nervous System
Topic 7 – Endocrine System
Topic 8 – The Heart and Heart Disease
Topic 9 - Respiratory System
Topic 10 - Digestive System

Contemporary Environmental Science
Credits: 1.0

Course Description: This semester course will address scientific topics currently making headlines. Hands-on projects and labs will provide the students with an authentic perspective of the world in which they live. Exploring such topics will allow the students to make informed decisions throughout the course of their life. This course is intended for students who are not pursuing a career in a science related field. ALSO, this course serves as an introduction to and covers broad aspects of environmental science and environmental studies, especially pertaining to Pennsylvania. For all cases, the resulting environmental impacts are studied in detail. Specifically, this course examines the risks associated with growth in a developing world; environmental impact of population growth on natural resources; mineral and resource extraction; water resource uses; and renewable and non-renewable sources for power generation. Emphasis is placed on a holistic approach to environmental science using laboratory exercises, environmental surveys, and class discussions to reinforce scientific principles.

Topics Covered: Genetic Modification of Food, Alternative Energy, Sustainability, Seed Banking, 3D printing of human organs. Topics may vary with new discoveries. Also:

- Kinds of Ecosystems
- Water Management
- Soil and its uses
- Air Quality issues
- Population
- Energy and Civilization
- Nonrenewable Energy
- Renewable Energy

Science, Technology, and Society (STS) - Healthcare
Credits: 1.0, Prerequisite completed/passed Bio 1 or 1B and are in 11/12 grade

Course Description: This class is set up to help students who are looking to go into the field of health care as technicians. Students will be instructed through lecture, laboratory/ hands-on activities, demonstrations and project based learning. Students will learn a vast variety of different science related topics such as: overview of body systems, medicines/ diseases, nursing care/ hospital care/medical case studies, and basic anatomy/ physiology. Along with bringing in concepts from all branches of science: Biology, Ecology, Chemistry, Anatomy. Students will have numerous opportunities to dissect specific body structures (ie: heart, kidney, eye, brain). Students will also be exposed to utilizing medical equipment: stethoscopes, BP cuffs, pulse meters, suture kits, etc..These students will also be required to complete the CPR certification course-they will be CPR certified in the Spring.

Science, Technology, and Society (STS) - STEM
Credits: 1.0

Course Description: This class is designed similar to STEM 7-9. Students will make a variety of projects. Students will need to start from scratch to determine the best possible materials/designs for their project. Students will then need to build the project based on their design. All projects will go through testing and students will have the ability to make improvements to ensure they have a project that is well designed and built. All projects are cross curricular themes involving science, math, ELA, social studies, and art.

Topics Covered:

1. Healthy Living- Content: Nutrition, exercise science, social studies, ELA

2. PBL Projects- Content: Electricity, Energy, ELA, Technology, Algebra and Geometry
3. Stories of Wartime and Innovation-Content: History, Matter, Forces, Measurements
4. Science of Snow –Content: Weather, Geometry
5. Car Crashes- Content: Forces, Chemical reactions, Social studies, Math and ELA

Pre-Chemistry
Prerequisite Course: 7th and 8th grade Chemistry or equivalent
Credits: 1.0

Course Description:
This one year course is intended to introduce basic concepts in Chemistry and connections of Chemistry principles to everyday life. This course is also intended for students taking Introductory Chemistry as well as to prepare students for upper level science courses. The accompanying laboratory sessions reinforce the theories covered and practical applications in Chemistry in addition to training students in techniques for conducting science experiments. **Topics covered:** Scientific method and measurements, basic laboratory skills, atomic theory and periodic table, Chemical bonding and Lewis dot diagrams, Chemical reactions, and solutions.

Introductory Chemistry
Prerequisites: Pre-Chem with a B average and currently taking or completed Algebra 2
Credits: 1.3
College Credits Available: Pennsylvania Highlands -**CHM 106 Introductory Chemistry**

Course Description:
This one year course is designed to introduce basic concepts in Chemistry. Students have the opportunity to obtain 4 college credits through Pennsylvania Highlands Community College ACE program. This honors level Chemistry course is a prerequisite for Advanced Chemistry (General Chemistry I) course. Students are expected to have a sound knowledge in algebra. The accompanying laboratory sessions reinforce the theories covered and emphasize general techniques in conducting science experiments. **Topics Covered:** Scientific methods and measurements, atomic structure, periodic table, Chemistry reactions, stoichiometry, properties of gasses, matter and energy, Chemistry bonding, acids and bases, nuclear Chemistry, and organic Chemistry.

Advance Chemistry
Prerequisites: Intro. Chem with a B average or above and currently taking or completed Algebra 2
Credits: 1.3

College Credits Available: Pennsylvania Highlands Community College -**CHM 120 General Chemistry I** or St. Francis University **-CHEM 113 Human Chemistry I**

Course Description: This one year course is intended for college bound students to learn and master advanced Chemistry topics to facilitate taking college science courses. Students have the opportunity to obtain 4 college credits through Pennsylvania Highlands Community College ACE program or through St. Francis University. This honors level course is organized as a continuation of Intro. Chemistry course. Students are expected to have a sound knowledge in algebra. The accompanying laboratory sessions reinforce the theories covered and emphasize general techniques in conducting science experiments. **Topics Covered**: Matter and measurements, Chemical nomenclature, Chemistry reactions and stoichiometry, atomic theory, quantum theory, periodic properties, bond theory and molecular structure, thermochemistry, and gas laws.

Physics with LAB
Prerequisite Course/Co Requisite: Algebra II
Credits: 1.0

Course Description:
This is a one year course designed for the college preparatory student who will go on to take college physics and the student who needs an understanding of the physical world around them that eventually will lead to the improvement in the human condition, a knowledge of the principles or concepts on which physics is based, and an ability to solve problems. The course will cover the most basic ideas in physics – mechanics, materials, waves (including light and sound), electricity and magnetism and introduce some concepts of modern physics.

Topics Covered:
Introduction to Mathematical Concepts
Kinematics in One Dimension
Kinematics in Two Dimensions
Forces and Newton's Laws of Motion
Dynamics of Circular Motion
Work and Energy
Impulse and Momentum
Rotational Kinematics
Rotational Dynamics
Simple Harmonic Motion
Electric Circuits
Mirrors and Lenses

Social Studies

Suggested Sequence:
Students may take courses from both the General and Electives columns during their Junior and Senior years.

Social Studies	General	*Electives*	*REQUIRED ASSESSMENTS*
7th grade	Pennsylvania History AND Geography		
8th grade	American History 1		
9th grade	American History 2		
10th grade	Western Civilizations		
11th grade	Civics	*Sociology* *Modern American History* *AP US History*	Students must achieve a passing score on the required Citizenship Test as prescribed under Pennsylvania Act 35 of 2018.
12th grade	Civics	*Sociology* *Modern American History* *AP US History*	Students must achieve a passing score on the required Citizenship Test as prescribed under Pennsylvania Act 35 of 2018.

Geography

Course Description:
This is a one semester course that examines the Geography of North America and Europe. While focusing on each part of the world, students are able to recognize characteristics distinguishing regions in each of these areas of the world. Each regional study encompasses a study of the physical geography, culture, economy, government, and social dynamics defining the land and people. An historical element is intertwined into the physical studies and how the people in these places survived and advanced with available resources in these areas.

Topics Covered:
1. Physical Features of North America and Europe.
2. Study the major cities, rivers, mountain ranges found in these regions of the world
3. Energy Resources found in these regions
4. Environmental issues of these regions
5. Study the people and the cultures of these region

Pennsylvania History

Course Description:
Pennsylvania History is a one semester course that examines the Commonwealth of Pennsylvania from early settlement to the French and Indian War. Through meaningful lessons and activities students will gain a deeper understanding of how Pennsylvania's history has played a key role in the development of the United States.

Topics Covered:
1. Understanding Geography of Pennsylvania
2. Studying Native Americans found in Pennsylvania
3. Early Explorers to the Pennsylvania area
4. The life of William Penn
5. The development of the colony of Pennsylvania
6. Pennsylvania role in the French and Indian War
7. Pennsylvania during the time of Rebellion against England

American History 1 (Exploration - Civil War)

Prerequisite Course: Geography and PA History

Course Description:
This is a full year course broken down into two semester-long courses. In this course, students will examine the United States from the early settlements of Roanoke and Jamestown through the American Civil War. In addition to the study of historical events within this timeframe, the course encompasses an in-depth study of the colonization of the New World by European nations up to the Civil War. The course assists students in developing an understanding of the important events in America's past and their connections to the world.

Topics Covered:
1. Early Settlers and the New World
2. Colonization of the United States
3. American Revolution
4. The Federalist Era
5. Manifest Destiny
6. Problem of Slavery in the United States
7. Presidential Elections from 1840's to 1865
8. American Civil War

American History 2 (United States becomes a World Power to End of World War II)

Prerequisite Course: American History 1
Credits: 1

Course Description:
This is a full year course broken down into two semester-long courses. This course provides students with a comprehensive understanding of all aspects of American History dealing with the United States becoming a World Power to the end of World War II. During this course, students will examine the role that the United States played in the imperialism of Latin America and the Pacific. The students will study the causes of World War I and the role of the United States in the Great War and ensuing peace. This course will also introduce students to the 1920's and the Great Depression. They will examine the United States' involvement in World War II and the challenges that our nation faced at home following the war. Students will develop an understanding of important events in America's past and their connectedness to world events.

Topics Covered:
1. The United States expanding Imperialism in Latin America and Pacific
2. Spanish-American War
3. Causes of World War I
4. Americans join the Allies
5. The Jazz Age
6. Great Depression
7. New Deal
9. Causes and outcomes of World War II

Western Civilization

Prerequisite Course: American History 2
Credits: 1

Course Description:
This course is a full year course that examines past cultures in order to compare their experiences and make us aware of the opportunities and limitations of modern cultures. Major political, social, economic, and cultural trends and their influences on modern civilization are examined. As an introduction, this course begins in the Ancient Near East and proceeds through the Central Middle Ages. Western Civilization examines the period from the 17th century to present.

Topics Covered:
1. The Ancient Near East, (4000-300 BC)
2. Ancient Egypt (4000 - 500)
2. Greco-Roman Civilization (1200 BC-AD 500)
3. The Early Middle Ages, (500-1000)
4. The Central and Late Middle Ages (1000-1500)
5. The Renaissance (1500-1600s)
6. Absolutism and Monarchies – Scientific Age (1660 – 1725)

Civics

Prerequisite Course: None
Credit: 1

Course Description:
This course is a full year course that outlines and promotes citizenship qualities within the United States and also other nations to compare similar and different practices. Students will be utilizing events from the past and present to analyze citizenship throughout history in the United States and abroad. The goal of the course is to promote positive citizenship values that students can implement into their daily lives.

Topics Covered:
1. Responsibilities of Citizenship
2. American Government
3. US Constitution
4. Bill of Rights
5. Branches of Government (Legislative, Executive, Judicial)
6. Political Parties
7. Voting and Elections

Modern American History (1950's to current times)

Prerequisite Course: American History 2
Credits: 1.0

Course Description:
Students will explore and evaluate the significant historical events and the consequences from the Cold War to President Johnson AND then from the ending of the Vietnam War to the end of the Cold War, the fall of Communism in Europe and the United States developing new policies in shaping the World. This course provides an examination of historical themes to analyze how events continue to shape our nation today.

Topics Covered:

1. The Cold War with Soviet Union
2. Postwar Politics dealing with the Soviet Union in Europe
3. Korean War
4. America Culture in the 1950's
5. Civil Rights Movement in the United States
6. Cuban Missile Crisis
7. President Kennedy Assassination
8. President Johnson's War on Poverty
9. The Counter Cultures
10. The Vietnam War
11. President Nixon's Foreign Policies dealing with China and the Soviet Union
12. Watergate
13. President Ford's Domestic Policies
14. President Carter and the Middle East
15. Iran Crisis
16. President Reagan's Foreign and Domestic Policies
17. The Ending of the Cold War
18. The Fall of the Soviet Union and End of Communism

Sociology

Prerequisite Course: None
Credits: 1.0

Course Description:
This full year course will familiarize the student with the basic principles and theories associated with the social science of Sociology. It will introduce students to the academic examination of culture and look critically at a variety of social issues. Critical thinking is emphasized as students are provided thought provoking opportunities to challenge them in examining their diverse world.

Topics Covered:

1. Identifying and defining basic sociological concepts and theories.
2. Analyzing contributions and theoretical perspectives of the founders of sociology
3. Exploring sociological perspectives and theories as they relate to societal norms and various social issues.

AP History

Prerequisite Jr/Sr, American History 1 and 2, Western Civilization

Course Description:
This is a full year course in which students learn advanced topics and concepts related to early American History. In this course, students will examine the United States from the early settlements of Jamestown Virginia all the way through the American Civil War. In addition to the study of historical events within this timeframe, the course also includes supplemental readings, extensive look at our system of government, and Supreme Court Cases. A good background in writing is recommended.

Topics Covered:

1. Early Settlers and the New World
2. Colonization of the United States
3. French and Indian War
4. American Revolution
5. The Constitution and Bill
6. Louisiana Purchase
7. Problem of Slavery in the United States
8. Presidential Elections from 1840's to 1865
9. American Civil War

Arts & Humanities

Suggested Sequence

Arts & Humanities	RECOMMENDED	*Other Electives*
7th grade	Guidance 7 Phys. Ed. 7 Health 7 Art 7 Computer 7 Music 7	*Band* *Chorus*
8th grade	Guidance 8 Phys. Ed. 8 Art 8 Computer 8 Music 8 Health 8	*Band* *Chorus*
9th grade	Spanish 1 Music 9 Art 9 Phys. Ed. 9 Library 9 Computer 9 Guidance 9	*Band* *Chorus* Micro Computer Apps Intro to Library Studies
10th grade	Spanish 1 or Spanish 2 Physical Education *Elective Art*	*Band* *Chorus* Micro Computer Apps Intro to Library Studies
11th grade	Spanish 2 or Spanish 3 Physical Education *Elective Art*	*Band* *Chorus* Micro Computer Apps Intro to Library Studies Media
12th grade	Spanish 4 Physical Education Elective Art	*Band* *Chorus* Micro Computer Apps Intro to Library Studies Media

Media

Credits: .50

Course Description:

This course will teach the concepts of media and editing. It is a semester-long course. enables students to create and edit media art works using available and emerging technologies such as digital imaging video, and a variety of media. Students will explore the elements and principles of media arts and the importance of using responsible practices when engaged in the creative process. Students will develop the skills necessary to create and interpret media art works, including, but not limited to BVTV.

Art 7

Course Description:

This course is a combination of art history, art appreciation, and a studio setting. Students will explore different artists and artworks throughout history while creating their own works of art. Mediums explored include paint, graphite, sharpie, clay, and sculpture. This course enables the student to become more familiar with art tools and materials. **Topics Covered:** Drawing, Zentangles, PlasterKraft/ Sculpture, Painting, Clay, Artists and their works of art

Art 8

Course Description:

In this course, we delve even deeper into the student's creativity and self-expression. We continue to cover famous artists and art history while exploring different mediums that will allow students to create their own works of art. Students are encouraged to develop their talents even further than last year. **Topics Covered:** Drawing, Painting, Zentangles, Recycled Sculpture, Marker, Artists and their works of art

Art 9/10

Credits: .25

Course Description:

This course is structured to increase student craftsmanship, design skills, and understanding of aesthetic choice. Emphasis is put on students making creative, original techniques and composition. These students will explore different mediums while gaining an appreciation for famous artists and works of art. **Topics Covered:** Drawing, Clay/ Potters Wheels, Paper Mache, Carved Sculpture, Artists and their works

Elective Art

Credits: 1.0

Course Description:

This course is structured to be flexible with a variety of mediums and concepts covered. Students will have the opportunity to explore their personal interest in the arts through a culminating, independent project at the end of the semester. Students will explore each medium in depth, pursuing the highest level of skill and design in their high school career. Emphasis is placed on originality and technical competence.

Topics Covered: Drawing, Clay, Painting, Stained Glass, Oil Pastel, Sculpture, Prom/ Large Set Design, Artist in Residency Program, Nail and String Art, and any other medium the students feel strongly about pursuing.

Music 7

Course Description:

This 45 day, rotating course will allow students to explore two of the most widely used instruments: guitar and piano. The students will learn about the way these instruments create sound, and will play simple songs that showcase various techniques. They should expect to gain an appreciation for professional musicians, as well as a respect for music itself.

Topics Covered:

Melody, harmony, chordal structure, limited music theory, tuning, instrument maintenance, practice techniques, playing techniques, performance, note reading (treble and bass clef).

Music 8

Course Description:

This nine week course will be an extension of the concepts learned in 7th grade music. The students should be able to play more difficult songs on the guitar and/or the piano. They will also explore music composition by using the computer mixing program, Music Creator 5. Students may also have the opportunity to record their performances.

Topics Covered:

Melody, harmony, chordal structure, tuning, instrument maintenance, practice techniques, playing techniques, performance, note reading (treble and bass clef), TAB, fingerstyle picking, more advanced music theory, composition.

Music 9/10

Credits: .25
Prerequisite Course: successful completion of Music 7 and/or Music 8, teacher recommendation included

Course Description:
During the course of nine weeks, the students will learn rhythms. They will practice these rhythms through the use of various percussion instruments. Their culminating project will be the composition of a percussion ensemble piece.

Topics Covered:
Rhythms (whole, half, quarter, eighth, sixteenth, triplets, etc.), practice techniques, percussion playing techniques, composition.

Band

Prerequisite Course: None--musical experience recommended
Credits: 0.5 (year-long course)

Course Description:
During this year-long course students will learn music of different genres. They will learn music written specifically for a concert ensemble. Styles will include both standard band literature, and adaptations of recent popular hits. Students will learn how to balance their sound and produce the proper tone for an indoor ensemble. They will also perform concerts in the fall and spring.
Students will be expected to attend private or small group lesson sessions, as well as each concert. Students will also be expected to arrive on time for class, bring all their materials (instrument, music, pencil, extra reeds, valve oil, etc.), and help set up/tear down the room for rehearsals. At times, there will be extra assignments that will be posted to the teacher webpage which will need to be completed.

Topics Covered:
Note reading (treble and bass clef), rhythm, dynamics, tempo, form, chordal structure, theory, tuning, tone quality/timbre, style, articulation, how to listen, teamwork, performance.

Chorus

Prerequisite Course: None
Credits: 0.5 (year-long)

Course Description:
Students will attend Chorus for an entire year. They will learn a variety of songs that may cover several centuries. Students will be challenged to learn pieces that are multi-part, and cover a large range. They will learn how to listen across the group and to the accompaniment parts (if available) in order to determine the importance of their own vocal part. They will perform a concert in the fall and spring, which they are required to attend.
Students may be expected to attend private or small group lesson sessions. Students will also be expected to arrive on time for class, bring all their materials (music, water bottle, pencil, etc.), and help set up/tear down the room for rehearsals.
Students will also be required to utilize the recordings provided on the teacher webpage. This may be shown by a sign-in or a response section.

Topics Covered:
Vocal health, breathing, phrasing, dynamics, rhythm, note reading (treble and bass clef), tempo, chord structure, music theory, articulation, tone quality/timbre, teamwork, performance, listening skills, style.

Library 7

Semester Class

Course Description:
Students will start to build a foundation in Library Science class. Students will select appropriate resources that will relate to a topic and compile notes; write a 2 page research paper in MLA format complete with Works Cited page and turn in to the Library Department.
Main Topics Covered: Plagiarism, MLA research and writing formats.

Library 8

Semester Class

Course Description:
Students will build upon the skills they learned in prior Library Science classes. As collaboration with the Science Department, students will select appropriate resources that will relate to a topic from their History class and compile notes; write a 3 page research paper in MLA format complete with Works Cited page and turn in a copy to both the Library and the History Departments

Main Topics Covered: Plagiarism, MLA research and writing formats.

Library 9/10

Semester Class
Credits: 0 .25

Course Description:
Students will build upon the skills they learned in prior Library Science classes. As collaboration with the Science Department, students will select appropriate resources that will relate to a topic from their Science class and compile notes; write a 4 page research paper in MLA format complete with Works Cited page and turn in a copy to both the Library and the Science Departments

Main Topics Covered: Plagiarism, MLA research and writing formats.

Intro to Library (semester)

Credits: .5 credits

Course Description:
This course is conducted in part as a lecture-type environment. Students will use both quantitative and qualitative methods (i.e. action research, human information behavior and statistical analysis of database results) in identifying and evaluating information including use of online databases, print materials, personal information retrieval techniques, and Internet navigation. Annotated bibliographies will be created to assess student understanding of resource materials. **Main Topics Covered:** MLA, APA citation formats, plagiarism, annotated bibliographies, rubric creation.

Guidance 7

Course Description:
The Botvin *LifeSkills Training* Middle School program is a groundbreaking substance abuse and violence prevention program based on more than 35 years of rigorous scientific research. Proven to be the most effective evidence-based program used in schools today, *LifeSkills Training* is comprehensive, dynamic, and developmentally designed to promote mental health and positive youth development. In addition to helping kids resist drug, alcohol, and tobacco use, the *LifeSkills Training* Middle School program also effectively supports the reduction of violence and other high-risk behaviors. **7th grade students will start at Foundation Level 1**. This program is aligned to the National Health Education standards and to CASEL's social and emotional learning (SEL) competencies.

Program Learning Objectives

- **Personal Self-Management Skills –** Students develop skills that help them enhance self-esteem, develop problem-solving abilities, reduce stress and anxiety, and manage anger for better mental health.
- **General Social Skills –** Students gain skills to meet personal challenges such as overcoming shyness, communicating clearly, building relationships, and avoiding violence.
- **Drug Resistance Skills –** Students build effective defenses against pressures to use tobacco, alcohol, and other drugs.

Guidance 8

Course Description:

The Botvin *LifeSkills Training* Middle School program is a groundbreaking substance abuse and violence prevention program based on more than 35 years of rigorous scientific research. Proven to be the most effective evidence-based program used in schools today, *LifeSkills Training* is comprehensive, dynamic, and developmentally designed to promote mental health and positive youth development. In addition to helping kids resist drug, alcohol, and tobacco use, the *LifeSkills Training* Middle School program also effectively supports the reduction of violence and other high-risk behaviors. **8th grade students will start at Foundation Level 2**. This program is aligned to the National Health Education standards and to CASEL's social and emotional learning (SEL) competencies.

Program Learning Objectives

- **Personal Self-Management Skills –** Students develop skills that help them enhance self-esteem, develop problem-solving abilities, reduce stress and anxiety, and manage anger for better mental health.
- **General Social Skills –** Students gain skills to meet personal challenges such as overcoming shyness, communicating clearly, building relationships, and avoiding violence.
- **Drug Resistance Skills –** Students build effective defenses against pressures to use tobacco, alcohol, and other drugs.

Guidance 9
Credit: 0.25

Course Description:

The Botvin *LifeSkills Training* Middle School program is a groundbreaking substance abuse and violence prevention program based on more than 35 years of rigorous scientific research. Proven to be the most effective evidence-based program used in schools today, *LifeSkills Training* is comprehensive, dynamic, and developmentally designed to promote mental health and positive youth development. In addition to helping kids resist drug, alcohol, and tobacco use, the *LifeSkills Training* Middle School program also effectively supports the reduction of violence and other high-risk behaviors. **9th grade students will start at Foundation Level 3**. This program is aligned to the National Health Education standards and to CASEL's social and emotional learning (SEL) competencies.

Program Learning Objectives

- **Personal Self-Management Skills –** Students develop skills that help them enhance self-esteem, develop problem-solving abilities, reduce stress and anxiety, and manage anger for better mental health.
- **General Social Skills –** Students gain skills to meet personal challenges such as overcoming shyness, communicating clearly, building relationships, and avoiding violence.
- **Drug Resistance Skills –** Students build effective defenses against pressures to use tobacco, alcohol, and other drugs.

In addition the following topics will be covered:
Free Application for Federal Student Aid, Federal Student Aid ID, College Entrance Exams (SAT & ACT), Scholarship Searches, www.raise.me website, College Application Process, Financial Aid Programs (Federal and State), College Award Letter Comparison

Computer 7

Course Description:

Keyboarding is offered to students at the junior high level in such a manner as to improve their efficiency and accuracy in using the computers and other devices with keyboards. This is a skill that almost everyone must use at one time or another--in school, on the job, and at home. The alphabet and finger arrangement is the same on nearly all keyboards; therefore, skills acquired in the class will transfer directly to other devices. Upon completion of the course, the student will have a solid base upon which further skills can be readily built. Course uses both textbook and computerized instruction.
Topics Covered: Alphabetic, punctuation, and number keys.

Computer 8

Prerequisite Course: Computer 7

Course Description:

1. This course introduces students to the touch operation of keyboard characters through the use of computer software. Focus of the course is the development of accuracy and speed at the keyboard.
2. Code.org® is a nonprofit dedicated to expanding access to computer science in schools and increasing participation by women and underrepresented minorities. Our vision is that every student in every school has the opportunity to learn computer science, just like biology, chemistry or algebra. Code.org provides the leading curriculum for K-12 computer science in the largest school districts in the United States.

Topics Covered: Alphanumeric keyboard, punctuation, proofreader marks, any/all 8th grade computing needs, coding, while/until loops, if/else loops, nested loops, sprites, text boxes, conditions, and functions

Computer 9
Credits: 0.25

Prerequisite Course: Computer 7/8

Course Description:
This course introduces word processing/applications, functions and features. Emphasizes creating, editing, saving and retrieving files and using spell check. Produces documents generated from templates.
This course also introduces fundamental spreadsheet skills to beginning level students. The course will focus on learning how to input data, perform calculations, control text, numeric and graphic elements, as well as creating charts within the application and other output options.

Topics Covered: word processing and spreadsheeting

WEB DESIGN

Prerequisite Course: Computers 8
Credits: 0.65
College Credits Available: Pennsylvania Highlands

Course Description:
1. This course introduces students to Web Design. The students will learn HTML, also known as HyperText Markup Language, Python and JAVA. The students will also be working on the district web page in this class.
2. This course will have the students work on the District Web Page.

Topics Covered: Using the three languages–HTML, Python and JAVA–students will use Top Down Design, functions, loops, comments, if/else statements, links, tables, CSS, images, DNS, Internet Addresses, routing, editing district web page

ADVANCED COMPUTERS

Prerequisite Course: Computers 8/9
Credits: 0.65
College Credits Available: Pennsylvania Highlands

Course Description:
This course will focus on Google Apps. Google Apps uses school and workplace themes to introduce students to the basics of Google's productivity apps: Gmail, Docs, Sheets, Slides, Forms, Drawings, and Sites. This class is segmented into hands-on lessons that instantly engage today's interactive, visual learner.

Topics Covered: Digital Citizenship and Technology Readiness will also be taught using Docs, Sheets, Slides, Forms, Drawings and Sites.

Microcomputer Applications

Prerequisite Course: Computers 8/9

Credits: 0.65
College Credits Available: Pennsylvania Highlands

Course Description:
This hands-on course introduces the student to the more popular microcomputer software packages available including Windows, word processing, spreadsheets, and presentations. This course provides students with a working knowledge of these software packages to accomplish the more common tasks. The Microsoft Office suite, MS Word, MS Excel and MS PowerPoint is used.

Topics Covered: Word-Creating a document, Selecting and Editing, Formatting Characters, Writing Tools, Formatting Paragraphs, Tabs, Move and Copy, Find and Replace, Margins and Printing, Page/Section Breaks, Page Numbers, Headers and Footers, Styles, Themes, Tables, Graphics, Columns, Charts Excel-Workbooks, Editing and Style Tools, Tab Commands, Exploring Formulas, Functions, Logical and Financial Functions, Rounding and Nesting Functions, Charts PowerPoint-Presentation Text, Revising, Graphics, Tables, Charts, Diagrams, SmartArt, Original Illustrations

STEM 789

Course Description: Project based learning and critical thinking with real world applications. Project categories include (students will have time for probably 2 projects within the 9 weeks):

Bridge Building - research and construct a bridge using balsa wood and glue; test bridge by applying weight till it breaks; calculate the efficiency; redesign and rebuild for improvement. Maintain an engineering notebook. Prepare an engineering drawing.

Flight Endurance - research and construct an airplane made of balsa wood and a rubber band. Test by measuring flight time. Modify as needed for competition based on what is learned thru testing and researching. Maintain an engineering notebook.

Problem Solving - given a set amount of materials, solve a problem. For example, given 4 tongue depressors, a spoon, 24" masking tape, 6 popsicle sticks, and a marble, how far can you launch the marble across the floor? Prepare a sketch of ideas and keep notes.

Solar Sprint Car Construction - research and construct a solar sprint car using balsa wood, glue, and solar panels and batteries. Test by timing set travel distance. Maintain an engineering notebook.

Students with the interest and commitment will have the opportunity to join in TSA (Technology Student Association) which gives students the opportunity to compete in the above categories on a regional (March @ Northern Cambria), state (May @ Seven Springs Resort), and national (June @ Washington DC) level. Additional work time may be available during 9th period.

Physical Education & Health

Physical Education Grades 7,8,

Course Description:
The physical education program in the 7th & 8th grades is designed to improve the overall physical fitness of the students and to develop basic skills. The students learn how physical activity can contribute to their well-being throughout their lives by helping them to acquire knowledge, sportsmanship, attitudes, and skills involved in recreational activities. Seventh graders are exposed to lifetime sports and team sports. **Topics Covered:** Wellness, football, hockey, soccer, softball, Ultimate Frisbee, Speedball, Gatorball, Badminton, Pickleball, Pilo Hockey, Volleyball, Eclipse Ball, Track and Field..

Physical Education grades 9,10, 11, and 12
Lifetime Sports and Team sports
Credits: 0.25 – 1.0

Course Description:
The physical education program is designed to improve the overall physical fitness of the students and to develop basic skills. The students learn how physical activity can contribute to their well-being throughout their lives by helping them to acquire knowledge, sportsmanship, attitudes, and skills involved in recreational activities. 1.00th graders are exposed to lifetime sports and team sports. **Topics Covered:** Specific units for the 1.00th th grade physical education program include Wellness, football, hockey, soccer, softball, Ultimate Frisbee, Speedball, Gatorball, Badminton, Pickleball, Pilo Hockey, Volleyball, Eclipse Ball, Track and Field..

Health 7

Course Description: The course is broken into three separate health units. Students are introduced to health & wellness, human growth & reproduction, and diseases and disorders units during their 45-day class rotation. This course emphasizes the importance of understanding the dangers teenagers face throughout their lifetimes and creating decision making skills. In order for students to make life-long decisions regarding their own individual healthy lifestyle, current topics are always discussed. Topics discussed during this class will include, but are not limited to, the following: components of the health triangle, wellness, goal setting, stress, male and female reproductive systems, sexually transmitted diseases, and HIV/AIDS.

Health 8

Course Description: This course focuses on diet and nutrition, CPR/First Aid, and mental health during their 45-day class rotation. This course emphasizes the importance of creating a healthy eating pattern to maintain health and reduce the risk of disease. Everything we eat and drink — the food and beverage choices we make day to day and over our lifetime — matters. Students will demonstrate understanding of hands-only CPR, practicing on individual mannequins, the Heimlich Maneuver, and basic first-aid techniques. Current topics may also be discussed as deemed necessary.

Foreign Language

Spanish I
Credits: 1.0

Course Description:
This class is an intro to Spanish. The objective is to give students an understanding and appreciation of foreign languages. Throughout the year we will focus on the five C's: **communicating** in Spanish, discussing the **culture** of Spanish speaking countries, **connecting** the studying of Spanish to other subject areas**, comparing** Spanish to the students' native language, and connecting Spanish to the **community**.

Topics Covered: This will be addressed by studying basic vocabulary themes such as: numbers, greetings, time, dates, colors, people, verbs, adjectives, nouns, countries, food, school, spelling, sports, pastime activities, shopping, weather, buildings, and families. We will also compare Spanish grammar to English grammar by studying verbs (present tense), adjectives, and nouns. As a result of studying the vocabulary and grammar the students will be able to develop conversations in Spanish, write in Spanish (limited-present tense), listen to Spanish, and read Spanish. They will demonstrate this by skits, reading lessons, writing lessons, research projects, tests, quizzes, homework, and listening comprehension exercises.

Spanish II
Prerequisite Course: Spanish I
Credits: 1.0

Course Description:
This class is a continuation of the previous year. The objective is to expand on the foundations set from the first year of Spanish and to further develop an understanding and appreciation for foreign languages. Throughout the year we will continue to focus on the five C's: **communicating** in Spanish, discussing the **culture** of Spanish speaking countries, **connecting** the studying of Spanish to other subject areas**, comparing** Spanish to the students' native tongue, and connecting Spanish to the **community**.
Topics Covered: This will be addressed by reviewing basic and key points from Spanish I and studying basic vocabulary themes such as: nationalities, school, home, pass time activities, food, geography, locations, sports, ordinal/cardinal numbers, travel, hygiene, and shopping. We will continue to compare Spanish grammar to English grammar by studying verbs (present tense, past tense, future tense, commands, and reflexive), adjectives, nouns, pronouns, direct objects, and indirect objects. As a result of studying the vocabulary and grammar the students will be able to develop more detailed conversations in Spanish, write in Spanish, listen to and read Spanish. They will demonstrate this by skits, reading lessons, writing lessons, research projects, tests, quizzes, homework, and listening comprehension exercises.

Spanish III
Prerequisite Course: Spanish I & II
Credits: 1.3
College Credits Available: St. Francis University

Course Description:
This class is a continuation of the previous year. The objective is to expand on the foundations set from the first and second years of Spanish and to further develop an understanding and appreciation for foreign languages. Throughout the year we will continue to focus on the five C's: **communicating** in Spanish, discussing the **culture** of Spanish speaking countries, **connecting** the studying of Spanish to other subject areas**, comparing** Spanish to the students' native tongue, and connecting Spanish to the **community**.
Topics Covered: This will be addressed by reviewing basic and key points from Spanish I and II and studying basic vocabulary themes such as: food, hygiene, health, communication, weather, entertainment, music, art, geography, celebrations/holidays, archeology, news, current events, and animals. We will continue to compare Spanish grammar to English grammar by studying verbs (present tense, past tense, future tense, commands, and reflexive, progressive, conditional, and subjunctive), adjectives, nouns, pronouns, direct objects, and indirect objects. As a result of studying the vocabulary and grammar the students will be able to develop more detailed conversations in Spanish, write in Spanish,

listen to and read Spanish. They will demonstrate this by skits, reading lessons, writing lessons, research projects, tests, quizzes, homework, and listening comprehension exercises

Spanish IV
Prerequisite Course: Spanish I, II, and III
Credits: 1.3
College Credits Available: St. Francis University

Course Description:
This class is a continuation of the previous year. The objective is to expand on the foundations set from the first, second, and third years of Spanish and to further develop an understanding and appreciation for foreign languages. Throughout the year we will continue to focus on the five C's: **communicating** in Spanish, discussing the **culture** of Spanish speaking countries, **connecting** the studying of Spanish to other subject areas**, comparing** Spanish to the students' native tongue, and connecting Spanish to the **community**. This will be addressed by reviewing basic and key points from Spanish I, Spanish II, and Spanish III, and studying basic vocabulary themes such as: current events, entertainment, animals, holidays/traditions, travel, ancient civilizations, art, music, literature, and geography. We will continue to compare Spanish grammar to English grammar by studying verbs (present tense, past tense, future tense, commands, reflexive, progressive, conditional, and subjunctive), adjectives, nouns, pronouns, direct objects, and indirect objects. As a result of studying the vocabulary and grammar the students will be able to develop greater detailed conversations (proficient level) in Spanish, write in Spanish, listen to and read Spanish. They will demonstrate this by skits, reading lessons, writing lessons, research projects, tests, quizzes, homework, and listening comprehension exercises

Topics Covered: This will be addressed by reviewing basic and key points from Spanish I, Spanish II, and Spanish III, and studying basic vocabulary themes such as: current events, entertainment, animals, holidays/traditions, travel, ancient civilizations, art, music, literature, and geography. We will continue to compare Spanish grammar to English grammar by studying verbs (present tense, past tense, future tense, commands, reflexive, progressive, conditional, and subjunctive), adjectives, nouns, pronouns, direct objects, and indirect objects. As a result of studying the vocabulary and grammar the students will be able to develop greater detailed conversations (proficient level) in Spanish, write in Spanish, listen to and read Spanish. They will demonstrate this by skits, reading lessons, writing lessons, research projects, tests, quizzes, homework, and listening comprehension exercises.

Weighted Courses & Grading

Weighted Course List - Updated May 2022

Level 3 Courses	Level 2 Courses	Level 1 Courses	Weighted Grades		
Multiplied by a factor of 1.25	Multiplied by a factor of 1.10	Multiplied by a factor of 1.00	1.25	1.10	1.00
College Algebra	Algebra 2	Math Course 2 & Pre-Algebra	125.00	110.00	100.00
Calculus	Pre-Calculus/Trig	Math Course 3	123.75	108.90	99.00
		Geometry	122.50	107.80	98.00
		Fundamental Algebra	121.25	106.70	97.00
		Algebra 1A	120.00	105.60	96.00
		Algebra 1B	118.75	104.50	95.00
		Algebra 1	117.50	103.40	94.00
			116.25	102.30	93.00
Anatomy & Physiology	Honors Biology	Contemporary Environmental Science	115.00	101.20	92.00
Biology 2 w/lab	Physics w/Lab 1.1 credits	Pre Chemistry	113.75	100.10	91.00
Intro to Chemistry w/LAB		Biology 1 ,	112.50	99.00	90.00
AP Chemistry		Biology 1A & 1B	111.25	97.90	89.00
		STS - Healthcare	110.00	96.80	88.00
		STS - STEM	108.75	95.70	87.00
			107.50	94.60	86.00
AP English Literature & Composition	Honors American English 1.1 credits	Grammar & Rhetoric	106.25	93.50	85.00
English Composition 1 0.65 credits		Intro to Literary Studies	105.00	92.40	84.00
English Composition 2 0.65 credits		World Literature	103.75	91.30	83.00
		American Literature	102.50	90.20	82.00
		MS Literature 1	101.25	89.10	81.00
		MS Literature 2	100.00	88.00	80.00
		HS Composition & Rhetoric	98.75	86.90	79.00
			97.50	85.80	78.00
AP History		Geography/PA History	96.25	84.70	77.00
		American History 1	95.00	83.60	76.00
		American History 2	93.75	82.50	75.00
		World Civilization	92.50	81.40	74.00
		Civics	91.25	80.30	73.00
		Modern American History	90.00	79.20	72.00
		Sociology	88.75	78.10	71.00
			87.50	77.00	70.00
Spanish 3 &4		Spanish 1 & 2			
Microcomputer Applications 0.65 credits		Band - 7 & 8 9-12 0.5 credits Chorus - 7 & 8 9-12 0.25 credits			
		Health 7 & 8,			
		Physical Ed. - 7 & 8 9-12 0.5 credits			
		Music - 7 & 8 9 & 10 0.5 credits			
		STEM - 7 & 8 9 0.5 credits			
		Computer - 7 & 8 9 0.5 credits			
		Life Skills Math & ELA			
		Admiral Peary Vo-Tech 4 credits			
		PAES-VT 4 credits			
		Library 7 & 8, Library 9 0.25 credits, Intro to Library 0.5 credits			
		Art – 7 & 8 9-12 0.5 credits			
		Media 0.5 credits			
All Dual Enrollment or AP Courses 1.3 credits	**1 credit unless marked**	**1 credit unless marked** **BLUE = NO CREDITS**			