2022 - 2023 PROGRAM OF STUDIES

ROCKY GROVE JR-SR HIGH SCHOOL

Course Selections for Grades 7-12

PREPARING ALL STUDENTS FOR SUCCESS IN A CHANGING WORLD

ROCKY GROVE JR-SR HIGH SCHOOL

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COURSE SELECTIONS FOR GRADES 7-12

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For information regarding civil rights or grievance procedures, contact the high school principal at Rocky Grove High School, 403 Rocky Grove Avenue, Franklin, PA 16323. (814) 437-3759. For more information regarding services, activities, and facilities that are accessible to and usable by handicapped persons, contact the Valley Grove School District superintendent at (814)432-4919

General Information

Introduction
The Faculty, Administration, and Staff of Rocky Grove Jr. Sr. High School welcome you as a member of the student body. This school scheduling booklet has been prepared as a means of assisting you on setting goals and organizing your courses for the coming school year. Rocky Grove is a place of great pride; be proud of it, take care of it, and be sure to share your suggestions for improving it. Rocky Grove offers many activities. Students are encouraged to take full advantage of these opportunities and make their years at RGHS both enjoyable and rewarding.

Please note, block classes and electives are subject to change based on enrollment, teacher certification, and district assessment data.

Scheduling Guidelines
This booklet is designed to help students and parents together with teachers, counselors, and the administration prepare a schedule for each high school student. It contains information concerning the various curricular areas, the courses required, and requirements necessary for graduation.

Scheduling will be done by curriculum area. Students will choose the curriculum area they desire to follow and will be recommended to schedule the courses listed in that particular curriculum.

The selection of a program of study for high school is a serious responsibility. The development of the schedule for the next term begins with the student's selection of curriculum. Each student is expected to plan his/her schedule so that the curriculum selected best meets his/her individual needs. Curriculum selection should be based mainly on three considerations:

I. **STUDENT ABILITY:** Every student should review his/her school records for the past few years. Progress should be discussed with parents and counselors when planning next year's program.
II. **STUDENT GOALS:** The student should ask, "What do I want from high school and what do I plan to do after graduation?" Those courses that are needed to reach future goals should determine which curriculum is chosen. The program should be challenging with diversity in electives.
III. **SCHEDULE REQUIREMENTS:** Regardless of the number of credits earned in previous years, **each student must schedule a minimum of 6 credits per year (plus physical education)** in courses where high school credit is awarded.

Graduation Requirements

Graduation Requirements
I. All students must have at least the minimum number of credits required for his/her curriculum selection.
**Note, to be considered a full-time student at Rocky Grove Jr-Sr High School students must have scheduled at least 6 credits per year plus physical education.
II. In addition to credits, all students must have completed successfully the following courses sometime during the grades 9-12: Algebra, Geometry*, Health, and Biology.
*Administration may waive this requirement for a Vo-Tech student in order to take courses designed to obtain proficiency on the Keystone Algebra exam.
III. All students graduating from Rocky Grove High School must have successfully completed a course in Family and Consumer Science at any time between grades 9-12.
IV. All graduating classes must complete a Career Action Plan (CAP, as part of the graduation requirements at Valley Grove School District, and satisfactory Career Action Plans will result in a half credit (0.5) applied to the total credits required for graduation.
V. All graduating classes must demonstrate proficiency on the PA State Standards through the Keystone Exams as defined by the Pennsylvania Department of Education. If a student is not proficient on any of the Keystone Exams, the students may have to remediate and may be pulled from PE classes or an elective for remediation/review to gain proficiency in that Keystone subject in accordance with PA School Code. Beginning with the class of 2021-2022 PDE has expanded the statewide graduation requirements by adding the following additional pathways:

- Scoring proficient or advanced on each Keystone Exam - Algebra I, Literature, and Biology.
- Earning a satisfactory composite score on the Algebra I, Literature, and Biology Keystone Exams. The passing composite score will be available in August 2019.
- Earning a passing grade on the courses associated with each Keystone Exam, and satisfactorily complete one of the following: an alternative assessment (SAT, PSAT, ACT, ASVAB, Gold Level ACT WorkKeys), advanced coursework (AP, IB, concurrent enrollment courses), pre-apprenticeship, or acceptance in a 4-year nonprofit institution of higher education for college-level coursework.
- Earning a passing grade on the courses associated with each Keystone Exam, and pass the National Occupational Competency Testing Institute (NOCTI) or the National Institute of Metalworking Skills (NIMS) assessment in an approved Career and Technical Education concentration.
- Earning a passing grade on the courses associated with each Keystone Exam, and demonstrate readiness for postsecondary engagement through three pieces of evidence from the student's career portfolio aligned to student goals and career plan. Examples of evidence will include ACT WorkKeys, SAT Subject tests, AP, IB and concurrent coursework, higher education acceptance, community learning project, completion of an internship, externship or co-op or full-time employment.

VI. Per school board policy #124, a student who successfully completes dual enrollment college courses outside the school district may receive high school credit provided the course was granted advanced approval by the student's guidance counselor and the high school principal. These courses will have no impact on GPA and/or class rank.
VII. Dual enrollment will be available to only sophomores, juniors and seniors in good academic standing.
VIII. A maximum of 6 units of high school credit may be counted for a students' high school graduation from outside programs. A 3 credit college class is the equivalent of 1 high school credit.
IX. Students will be expected to remain in high school classes until the college class starts; and if a student withdraws or fails a college class they will be expected to return to the high school class immediately and their grade will carry over for the time missed at the high school level.
X. The student shall receive the same letter grade for high school credit that is assigned by the college.
XI. Students assume all responsibility for any fees or tuition accompanying dual enrollment courses.
XII. Starting with the Class of 2023 students must complete a graduation pathway in accordance with Pennsylvania Department of Education policy.

Graduation Requirements—Class of 2023 and 2024

To graduate students must accumulate a total of 24.5 credits. A breakdown of the minimum number of credits required in each subject area are indicated in the curriculum tracts below.

Traditional Curriculum

24.5 total credits

1.	English	4.0 credits
2.	Social Studies	4.0 credits
3.	Mathematics	4.0 credits
4.	Science (with 1 lab)	3.0 credits
5.	Health	0.25 credits
6.	Physical Education (4 courses)	1.75 credits
7.	Electives	7.0 credits
8.	Career Action Plan	0.5 credits

Accelerated Curriculum

24.5 total credits

1.	English	4.0 credits
2.	Social Studies	4.0 credits
3.	Mathematics	4.0 credits
4.	Science (with 2 labs)	4.0 credits
5.	Health	0.25 credits
6.	Physical Education (4 courses)	1.75 credits
7.	Electives	6 credits
8.	Career Action Plan	0.5 credits

Vocational-Technical Curriculum

24.5 total credits

1.Vocational Area	9.0 credits
2.English	4.0 credits
3.Social Studies	3.0 credits
4.Mathematics	3.0 credits
5. Science	3.0 credits
6. Health	0.25 credits
7. Physical Education (4 courses)	1.75 credits
8. Career Action Plan	0.5 credits

Graduation Requirements—Class of 2025 and 2026

To graduate students must accumulate a total of 24.5 credits. A breakdown of the minimum number of credits required in each subject area are indicated in the curriculum tracts below.

Traditional Curriculum

24.5 total credits

1.	English	4.0 credits
2.	Social Studies	4.0 credits
3.	Mathematics	4.0 credits
4.	Science (with 1 lab)	3.0 credits
5.	Health	0.25 credits
6.	Physical Education (4 courses)	1.5 credits
7.	Electives	7.0 credits
8.	Career Action Plan	0.5 credits
9.	Driver Education	0.25 credits

Accelerated Curriculum

24.5 total credits

1.	English	4.0 credits
2.	Social Studies	4.0 credits
3.	Mathematics	4.0 credits
4.	Science (with 2 labs)	4.0 credits
5.	Health	0.25 credits
6.	Physical Education (4 courses)	1.5 credits
7.	Electives	6 credits
8.	Career Action Plan	0.5 credits
9.	Driver Education	0.25 credits

Vocational-Technical Curriculum

24.5 total credits

1.Vocational Area	9.0 credits
2.English	4.0 credits
3.Social Studies	3.0 credits
4.Mathematics	3.0 credits
5. Science	3.0 credits
6. Health	0.25 credits
7. Physical Education (4 courses)	1.5 credits
8. Career Action Plan	0.5 credits
9. Driver Education	0.25 credits

General Information

Schedule Changes

I. Students are requested to be careful and thorough in their selection of curriculum. All students are expected to continue in and complete any courses selected.

II. If a schedule change is necessary, a student must first confer with his/her counselor. Changes will always be dependent upon the principal's approval, maintaining pupil's load, curriculum area, and the feasibility of such changes. Careful consideration will be given to the request if it represents a good reason. **PLEASE NOTE**: Schedules will not be changed on the first day of school.

III. All changes must be completed within the first 5 days of the semester and require a parent signature, as well as teacher initials. Students must fill out the schedule change request form or the change will not occur.

IV. If a course is dropped beyond the first five (5) school days, it requires the signature of the student, his/her parent(s)/guardian(s), the principal, the counselor, and the teacher. A term failure (50%) will be recorded for the course if the course is dropped without the recommendation of the teacher and the administration.

Grading Policies

The following grades are used at Rocky Grove Jr.-Sr. High School:

A – Outstanding 93 – 100
B – Above Average 85 – 92
C – Average 75 – 84
D – Below Average 65 – 74
F – Failing 0 – 64
P – Pass
I – Incomplete
SSP – Summer School Pass

Scheduling Considerations

1.Please note that students wishing to take accelerated classes must have a "B" or better in the previous year's classes as well as teacher recommendation.

2. Large class sizes will be reduced at the discretion of the administration. Students will be assigned to their appropriate academic level according to teacher recommendation, previous grades, and standardized test scores.

3.Students who wish to prepare to meet entrance requirements to various colleges should schedule the Traditional or Accelerated Curriculums

4.Students who wish to receive training in a specific occupational situation and/or who plan to enter the job field upon graduation should schedule the Vocational-Technical Curriculum-see example 4. (You must be selected for this curriculum through an application procedure).**Please note this procedure will be based upon behavior, attendance, and grades. All students who attend the Venango Technology Center will be placed on a contract.

5.Students who have been unable to maintain a "C" average in English are advised that they will probably find a great deal of difficulty in foreign languages.

6. All students should keep a close check on the credits they have earned toward graduation. It is the responsibility of each student to make sure he/she has the required courses and the required number of credits for graduation.

Grade Promotion/Retention

1. **Senior High Promotion/Retention Policy for Determining Class Levels**

In the high school, a student is not promoted by grades, but rather by units of CREDIT which are received from completing individual subjects successfully. In order to be assigned to a particular class, a student MUST HAVE EARNED AT LEAST THE MINIMUM UNITS OF CREDITS [1] required for that grade level, as indicated below.

A. Sophomore (10th Grade)	5 credits
B. Junior (11th Grade)	11 credits
C. Senior (12th Grade)	17 credits

Notes:
(1). These are minimum standards to be used as guidelines to judge a student's progress toward Graduation. Students earning less than the minimum credits will not be assigned to the next grade level.
(2). Sophomore credits must include at least 3 Core Subjects: English, Science, Math, and Social Studies.

2. **Junior High Promotion/Retention Policy for Determining Class Levels**

Students who fail junior high courses may be required to participate in summer school or a credit recovery program in order to be promoted.

Grade Point Average (GPA) Used for Class Rank, Graduation Awards & NHS Requirements
A student's GPA is calculated using the weighted value of the class combined with their percentage grade earned in the course, below are the formulas for calculating GPA. The student's GPA is used for Class Rank.
Weighted Grade **=** *Percentage Grade x Weight*
Weighted GPA **=** *Sum of the weighted course grades*

Quality Point Average (QPA) –

A student's QPA is calculated off of Quality Points, where earning an A = 4.0, B = 3.0, C = 2.0, D = 1.0, and F = 0.0. QPA is again weighted using the weighting listed above. The student's QPA is used for determining Honor Roll and Principal's List.

Incomplete Grades

The "I" grade is given when a student fails to complete his/her work due to legitimate reasons. The "I" grade must be made up within 15 school days after the student's return to school, or it will change to an "F".

Final Grades

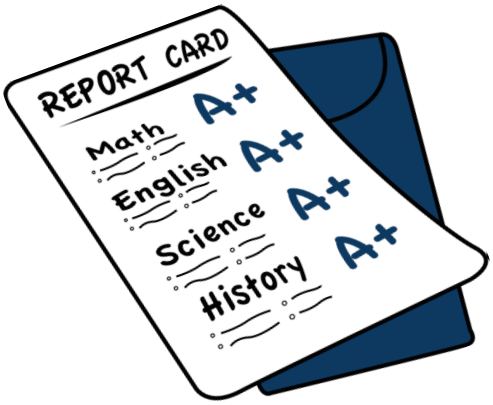
A final grade shall be given for all courses. The final grade shall be determined by averaging the points received by a student for each nine-weeks grading periods.

Principal's List

A student whose GPA for a particular period is 4.0 or better, and who has not earned any grade below a B in any courses, will be elected to the Principal List. The GPA is calculated on whether the grade is an A, B, C, D, or F, not the numeric value.

Honor Roll

A student whose QPA for a particular marking period is 3.0 to 3.99, and who has not earned any grades below a B in any course, will be elected to the Honor Roll for that marking period.



Report Cards

Rocky Grove Junior-Senior High School operates on a nine-week grading period. Approximately one week after the end of that nine week period, report cards will be sent home with each student. In addition to percentage grades, this report will include attendance, occasional teacher comments & honor roll notifications. Parents should pay particular attention to any major fluctuations in grades.

Class Rank (numerically averaged)

Class Rank is calculated from a student's weighted GPA, not QPA as in the honor roll using all scheduled classes. GPA is shown on the high school transcript.

Weighted Grade = *Percentage Grade x Weight*
Weighted GPA = *total of weighted course grades ÷number of required core courses taken.*

A+

National Honor Society & Academic Awards

National Honor Society

Additional recognition may be granted to students in grades 10, 11, and 12 by induction into the National Honor Society. Selection criteria for the National Honor Society will follow the guidelines as established by the national organization and include scholarship, character, service, and leadership. A selection board of secondary faculty, appointed by the principal, reviews all applications and makes the final selection. To be eligible students must have achieved a 92.5% weighted grade point average or higher during the previous school term.

Academic Awards

GRADES 7 And 8: Students who earn a final grade weighted average of 92.5% or better in all major academic core subjects (English, History, Math, Science) will receive a certificate enclosed in a folder.

GRADES 9, 10, 11, and 12: Students who earn a final grade (Seniors only will be calculated at the end of the third marking period) weighted average of 92.5% or better in all major academic core subjects will receive…

First Year Award	Letter with permission to purchase a jacket
Second Year Award	Certificate with Academic Pin
Third Year Award	Plaque and Academic Pin
Fourth Year Award	Academic Medal and Academic Pin

Students who transfer into this district and who become eligible for an award will be recognized at the first award level in grades 9 through 12. Senior transfer students, in order to be eligible, must be enrolled at the beginning of school (A one-week grace period is recognized).
Senior Academic Awards will be presented in the Spring; All other Academic Awards will be presented the Fall of the following school year.

SUMMER SCHOOL GRADES & POLICIES

Summer School

While there is no guarantee, it is possible that a summer school program may be offered. The program is designed for remedial work and the courses offered depend upon the needs of the students and the availability of the staff. If the program is offered, it will provide an opportunity for the student to make up credit for courses failed. A fee is charged to the student for each course taken in Summer School. Students are expected to be in attendance for every class unless given prior permission for absence by the administration. Absences will result in a course failure.

Summer School Grades

Any student who completes summer school requirements, for a particular course, will earn a passing grade of 65% on their transcript.

SUMMER SCHOOL POLICY

Grade 9-12th students who do not pass a core subject(s) may be eligible to attend summer school to earn credit(s).

Grade 7 & 8th students who do not pass core subjects may be required to attend summer school.

In order to attend summer school, each student should meet the following criteria.

1. Students should have no more than 20 total absences from school in the current year (medical exceptions will be determined by the principal). Students who have more than 20 absences in the current school year may be required to complete additional hours of summer school.

2. Students who successfully complete summer school will earn a general credit with a grade no higher than a 65%.

3. Students must complete an application to attend summer school and the application must be Submitted to the guidance office prior to the last day of the current school year.

4. Administration will have the final approval.

Course Offerings

1. *All Accelerated and Dual Enrollment Courses have the Prerequisite of a grade of a "B" or better in the previous course in that subject area or Teacher Recommendation for the course.*

2. **Elective Courses are offered based in interest and teacher availability.*

ENGLISH

Core:
English 9
Accelerated English 9
English 10
Accelerated English 10
English 11
DE English Composition I 11
English 12
DE English Literature & Interpretation 12
Keystone ELA Prep

Electives:
Creative Writing

SOCIAL STUDIES

Core:
American Studies 9
Accelerated American Studies 9
World Studies 10
Accelerated World Studies 10
American Gov't 11
DE American Political Process 11
Economics & Personal Finance 12
DE Economics in the Modern World

Electives:
Psychology
History Through Movies
American Pop Culture
Venango eAcademy

MATHEMATICS

Pre-Algebra
Algebra I
Geometry
Accelerated Geometry
Algebra II
DE Algebra II
DE Pre-Calculus
DE Calculus 1
Statistics
Business Algebra
Accounting
Applied Math

SCIENCE

Integrated Science 9
Biology
Accelerated Biology
DE Concepts of Chemistry w/ Lab
DE Concepts of Modern Physics with/ Lab
DE Human Biology
Earth & Space Science
Ecology
Physical Science
Principles of Biology (SEM)
Principles of Ecology (SEM)
DE Environmental Science

VENANGO TECHNOLOGY CENTER COURSES

Allied Health Occupations
Auto Body Repair Technology
Automotive Technology
Building Construction Technology
Computer Information Systems
Computer Aided Drafting & Design
Electronics Technology
Heavy Equipment Repair
HVAC (Heating, Ventilation & AC)
Machine Tool Technology
Natural Resources
Protective Services

PHYSICAL EDUCATION

PE 9 (9 week block)
Health 9 (9 week block)
PE 10-12
Advanced Health

ART

Intro to Art
Specialty Art Classes:
Ceramics 1,2
Drawing 1,2
Painting 1,2
Graphic Design 1,2
Arts & Crafts
3D Art
Foundations in Art
Advanced Art Grade 12 ONLY

FOREIGN LANGUAGE

French I
French II
French III
French IV
Spanish I
Spanish II
Spanish III
Spanish IV

TECHNOLOGY EDUCATION

Sr. High Woodworking I-III
Robotics
Computer Aided Drafting
Digital Media
Intro to Woodworking

BUSINESS & COMPUTERS

Computer Applications I & II
Business Algebra (Math)
Accounting (Math)
Yearbook
Career Exploration

FAMILY & CONSUMER SCIENCE

Child Development 9 (9 week block)
Advanced Child Development 10,11,12
Sewing for Fun
Wellness & Nutrition
Chef's Class
Advanced Chef's Class
Daily Living

MUSIC

Sr. High Concert Choir
Sr. High Concert Band
Music Theory I-III (Sem.)
Class Piano I-IV (Sem.)
Theater (Sem.)
Introduction to Dance
Introduction to Music Technology
Pep Band

ADDITIONAL OFFERINGS

Graphic Design Technologies
Computer Science Applications I
Computer Science Applications II
Yearbook
App Development (Sem.)
Internship/Externship (1-2 credits)
Driver Education (.25 credits)

Course Progression

College*/Career Preparatory Curriculum

Grade 9

Course	Credit
English 9	1
American Studies 9	1
Algebra 1/Geometry	1
Integrated Science 9/Biology	1
UA Block 9 (Includes PE & Health)	1
Electives++	1.5
	6.5

Grade 10

Course	Credit
English 10	1
World Studies 10	1
Geometry/Algebra II	1
Biology /Chemistry	1/1.5
Physical Education	..25
Driver Education	.25
Electives**	1.5/2
	6.5

Grade 11

English 11	1
American Government	1
Algebra II/Pre-Calculus/Stats	1
Chemistry/Physics	1.5
Physical Education	.5
Electives**	1.5
	6.5

Grade 12

English 12	1
Economics & Personal Finance	1
Pre-Calculus/Calculus/Stats/(Alt. Math)	1
Physics/Human Biology/Physical Science (Alt. Science)	1/1.5
Physical Education	.5
Electives**	1.5/2
	6.5

Accelerated/Dual Enrollment Options are available for English, Math, Science & Social Studies

*College Bound Students should take a minimum of 1 Science that includes a Lab (Chemistry/Physics/Human Biology)
**2-3 Years of a Language are required at some Colleges

Vocational Preparatory Curriculum

Grade 9

Course	Credit
English 9	1
American Studies 9	1
Pre-Algebra/Algebra I	1
Integrated Science 9	1
UA Block 9 (Includes PE & Health)	1
Electives (Language)	1.5
	6.5

Grade 10

Course	Credit
English 10	1
Vo-Tech	3
Algebra I/Geometry	1
Biology	1
Physical Education	..25
Driver Education	.25
	6.5

Grade 11

English 11	1
American Government	1
Math	1
Vo-Tech	3
Physical Education	.5
	6.5

Grade 12

English 12	1
Economics & Personal Finance	1
Vo-Tech	3
Science	1
Physical Education	.5
	6.5

Accelerated/Dual Enrollment Options are available for English, Math, Science & Social Studies

Course Selections listed above are typical but vary by student needs.

Senior High Course Selection
English

All students in grades 9-12 are required to take an English course.

112 English 9 (1 credit)

English 9 includes a review of basic patterns of parts of speech and studies on sentence structure, paraphrasing, and syntax. Students write about themselves, their experiences, ideas, opinions, and interpretations. Emphasis will be placed on the development of a thesis statement. Thematic units in literature include *Matter of Life and Death through the short story, In the Face of Adversity in nonfiction, Life Lessons, Expressions, and Inspirations through a genre focus on poetry, and The Power of Love through drama. Two additional units are offered: Homer and the Epic and Science Fiction and Fantasy. Students are introduced to tragedy as a literary form through the study of Shakespeare's Romeo and Juliet. Their writing will focus on brief compositions in response to various works of literature.*

113 Accelerated English 9 (1 credit)

Pre-requisite: A "B" or better in the previous year's class or teacher recommendation.
This course is designed for the highly motivated college-bound student. Developing a thesis statement as a basis to the writing process and using various other expository writing techniques are introduced. An emphasis is also placed on the study of grammar, spelling and vocabulary development, and research skills. Literature studies will emphasize a relationship between the literature and student experiences while stressing various genres, such as short story modes, drama, nonfiction, and poetry.

212 English 10 (1 credit) *Keystone

This course focuses on the elements of fiction; students analyze character, setting, plot, themes, point of view, conflict, and style, among other literary elements. Students study paragraph development, as well as the essay format and research skills. The study of Shakespeare's *Julius Caesar provides reinforcement of the tragic form. Vocabulary skills and modern usage standards are also examined. Public speaking is also addressed and practiced.*

213 Accelerated English 10 (1 credit) *Keystone

This accelerated rigor course focuses on the elements of literature; students analyze character, setting, plot, themes, point of view, conflict, and style, among other literary elements with added academic rigor. Students study paragraph development, as well as the essay format and research skills. The study of Shakespeare's *Julius Caesar provides reinforcement of the tragic form. Vocabulary skills and modern usage standards are also examined. Public speaking is also addressed and practiced.*

214 Creative Writing (.5 credit)

This semester course is focused on writing creatively and expressively for many genres, including prose, poetry, short stories, satire and playwriting. Students create original essays, poems, and short stories in this course, which focuses on the four-step writing process model. They read mentor pieces and then integrate their impressions of these texts with their own experiences to compose their own pieces. Students will write about topics they find engaging as they practice writing on the following themes: narration, definition, process analysis, cause and effect, and comparison/contrast. The teacher supplies detailed suggestions for revision with each assignment. This feedback helps students learn how to improve self-expression and self-editing skills.

English

312 English 11 (1 credit)

English 11 chronologically follows the development of American literature from its old world influences to its post-modern poets, playwrights, and authors. Philosophical concepts and historical events which have influenced the progression of American literature are studied. Students in this class will read several pieces of American fictional and non-fictional literature. Vocabulary skills and modern usage standards are also examined. Cooperative learning, oral presentation, and composition are emphasized as students begin to learn the skills that will be essential in their post-secondary educational experiences. A research paper that is associated with their transition project must be completed.

313 DE English Composition I 11 (1 credit)

DE English 11 is a college level course through the University of Pitt-Bradford that emphasizes development of skills in reading a variety of nonfiction, fiction and poetry, with an emphasis on modes of composition. This course engages students in becoming skilled readers of prose written in a variety of periods, disciplines, and rhetorical contexts and in becoming skilled writers who compose for a variety of purposes. Students should come to the course with a proficient understanding of language, writing tasks, purposes, audiences, and elements of persuasion. DE English 11 requires that students be prepared to devote time and energy appropriate for an advanced/college course, and be willing to use their past English education and resources to complete assignments.

412 English 12 (1 credit)

English 12 prepares seniors for using language in their lives after graduating from high school. Additional emphasis will be placed on the reading, writing, and speaking skills needed in the work place. This course examines the expectations of employers and society in regard to communication standards and practices. Opportunities to apply these skills as well as critical problem solving and interpersonal communication skills are provided throughout the course.

413 DE English Literature and Interpretation 12 (1 credit)

DE English 12 is a college level course through the University of Pitt-Bradford that emphasize the development of skills in critical reading of imaginative and discursive literature in writing about literature and literature related ideas. To prepare for entry into DR English 12, students will receive a required reading list during the spring semester of their junior year. This course requires students to be prepared to devote the energy and time appropriate for an advanced/college course, as they will need to be willing to use all their past educational opportunities as resources for their present work.

216 Keystone ELA Prep (.25 - 1 credit)

Students will be assigned to this class based on their scores on a year-end ELA test at the end of ninth grade. This class is designed to provide students with additional support and instruction in order to prepare them for the Keystone Literature Exam that they will take toward the end of their sophomore year. Students will have the opportunity to test out of this class each marking period.

Math Courses

121 Pre-Algebra (1 credit)

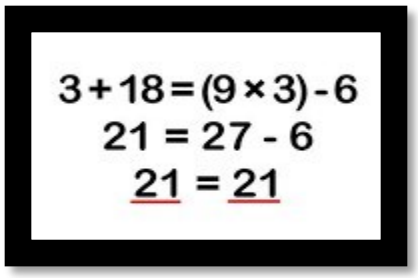
This course is designed to be an introduction to the study of Algebra aligned to the State Standards and Assessment Anchors in Mathematics for Algebra. The course is an extension of Pre-Algebra by being a more in-depth study of the properties of Real Numbers. This course will mainly focus on the operations with real numbers, expressions, linear equations, and inequalities, as well as building on the use of variables, order of operations, patterns, tables, graphs, relationships, slope, data analysis, proportions, inverse operations, and probability.

122 Algebra I (1 credit) *Keystone

This course is designed to be an in-depth study of Algebra aligned to the State Standards and PSSA Assessment Anchors in Mathematics for Algebra. The course is an extension of PSSA Math 8 and Pre-Algebra. Algebra techniques are used for problem solving as students continue to explore numbers, variables, order of operations, patterns, tables, graphs, relationships, slope, data analysis, proportions, equations, inequalities, inverse operations, linear equations, and probability.

220A Principles of Algebra (.5 credit)

This course is designed for students who have not demonstrated proficiency on the Algebra Keystone Exam, where they continue their study of Algebra in order to prepare students for the exam. This course is based on a continuation of previous Algebra courses and is designed to meet the needs of those students who will not be pursuing a career in mathematics and/or science, but are struggling to pass the Keystone Algebra Exam. This course will be offered semester 1 only and students will take the Winter Keystone Exam at the end of the course.



220B Principles of Geometry (.5 credit)

This course is an introductory course to the basic concepts and theories of geometry. This course is a second semester supplement to students taking Principles of Algebra and the winter Keystone Algebra exam.

222 Geometry (1 credit)

The course is a state standards based approach to the practical applications of Geometric concepts for problem solving. Topics include properties of geometric shapes, perimeter, area, surface area, volume, congruence, similarity, ratio, proportion, and trigonometric formulas.

223 Accelerated Geometry (1 credit)

This course is for students with above average math skills and is aligned to the State Standards in Mathematics for Geometry. The course is designed to develop inductive and deductive reasoning through the study of plane and solid figures. Topics covered include parallel and perpendicular lines, polygons, congruence, similarity, circles, area, volume, constructions, and proofs.

322 Algebra II (1 credit)

The course is an extension of Algebra I with an emphasis on application and problem solving. The core concepts of the course include solving systems of equations and inequalities both graphically and with the Algebraic methods of Inverse Operations, Substitution, Elimination Factoring, using Matrices, etc. Other topics include functions, polynomials, radicals, complex numbers, measurement, probability, statistics, and data analysis.

Math Courses

323 DE Algebra II (1 credit)

This course is for students with above average math skills and is an entry level college dual enrollment course through the University of Pitt-Bradford. The course is an extension of Algebra I with an emphasis on application and problem solving. The core concepts of the course include solving systems of equations and inequalities both graphically and with the Algebraic methods of Inverse Operations, Substitution, Elimination Factoring, using Matrices, etc. Other topics include functions, polynomials, radicals, complex numbers, measurement, probability, statistics, and data analysis.

324 Accounting (1 credit)

This course provides students with the basic skills needed to control the financial operations of a business. Basic accounting theory and applications are presented throughout the course for the operation of sole-proprietorships, partnerships and corporations. Business simulations and hands-on computer applications give students the exposure to how a business really operates. Students who enroll in this course should plan to enter college in the business field, be entrepreneurs or want to gain a general understanding of how to keep accounting records for a business.

325 Business Algebra (1 credit)

This course is a mathematical modeling course that is algebra -based, applications-oriented, and technology-dependent. The course addresses college preparatory mathematics topics under seven financial umbrellas: Banking, Investing, Credit, Employment and Income Taxes, Automobile Ownership, Independent Living, and Retirement Planning and Household Budgeting. The course allows students to experience the interrelatedness of mathematical topics, find patterns, make conjectures, and extrapolate from known situations to unknown situations. The course offers students multiple opportunities to use, construct, question, model, and interpret financial situations through symbolic algebraic, graphical, geometric, and verbal representations. Students are encouraged to usea variety of problem-solving skills and strategies in real -world contexts, and to question outcomes using mathematical analysis and data to support their findings.

421 Applied Math (1 credit)

In this year long course, available for Juniors and Seniors, students will learn about and compute math problems for a variety of subjects which are to include: banking, living expenses, loan payments, measuring, and calculating square footage.

422 Statistics (1 credit)

This course will focus on the use and application of statistics to help explain the world around us. Students will delve into the mathematical world of statistics including histograms, probability, standard deviation, p-tests, line of best fit, normal curves, and more. Students will apply statistics directly to sports, history, science, medicine, and many other areas of study. Real world examples will be used to build a student's mathematical base and help them use logical reasoning to validate statistical findings.

423 DE Pre-Calculus (1 credit)

This course is college level dual enrollment course through the University of Pitt-Bradford for students with advanced math skills. It is designed for college bound students and is based on Analytic Geometry and Trigonometry. Topics include graphing and operations for equations, inequalities, and functions (linear, polynomial, rational, exponential, logarithmic, and trigonometric).

424 DE Calculus 1 (1 credit)

This course is a college level dual enrollment course through the University of Pitt-Bradford for students with advanced math skills. It is designed for college bound students and is based on using functions to model the real world in mathematical terms. All types of functions are explored in depth with an emphasis on graphs, limits, derivatives, anti-derivatives, and their applications. The purpose of this course is to prepare students for college level mathematics.

Science Courses

131 Integrated Science 9

This course is designed to build a foundation of scientific knowledge to help prepare students for more challenging science classes later in high school. Each of the quarters in the school year will be dedicated to a different field of science. The students will learn about motion and energy in one quarter to prepare for Physics. In another quarter they will learn about the interactions of atoms and matter in preparation for Chemistry. The formation of the universe and our solar system will be investigated as a precursor to Earth and Space Science. Finally, the students will cover ecosystems and biomes in preparation for Biology and the Keystone Exam.

232 Biology (1 credit) * Keystone

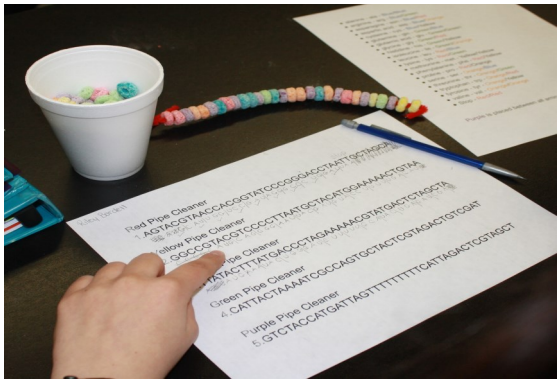
Biology is an in-depth study of living things and the natural world. This course will discuss and analyze the characteristics of organisms, the chemical properties of water and life, the major categories of life molecules, methods the cells and living things obtains energy for life processes, and processes involved in the transporting materials within and between cells. This course will cover the stages of the cell cycle, how genetic material is inherited and expressed, patterns of inheritance, mechanics and processes of evolution, and relationships and interactions within different ecosystems. At the end of this course, students will take the state Keystone Exam in Biology.

233 Accelerated Biology (1 credit) *Keystone

Accelerated Biology Keystone Biology i an in-depth study of living things and the natural world. This course is designed for the student who plans to attend college or might wish to explore a career in a scientific field. This course will discuss and analyze the characteristics of organisms, the chemical properties of water and life, the major categories of life molecules, methods the cells and living things obtains energy for life processes, and processes involved in the transporting materials within and between cells. This course will cover the stages of the cell cycle, how genetic material is inherited and expressed, patterns of inheritance, mechanics and processes of evolution, and relationships and interactions within different ecosystems. At the end of this course, students will take the state Keystone Exam in Biology.

234 DE Concept of Chemistry with Lab (1.5 credits)

This course is designed for students who are college-bound and need a solid foundation in the fundamental principles of chemistry. The Academic Chemistry course emphasizes the development of abstract reasoning, a strong scientific vocabulary, verbal and mathematical skills. Specific topics to be covered are structure and nature of matter, electronic structure of matter, the periodic table, molecules and chemical bonds, stoichiometry, chemical reactions, solutions, oxidation-reduction reactions, chemical equilibrium, acid-base theory, and compounds containing carbons, both the aliphatic and aromatic series, emphasizing structural relationships, nomenclature, mechanisms, and characterization of individual functional groups. Student laboratory exercises and teacher demonstrations are also used to augment and exemplify the topics covered in this course.



Science Courses

330A Principles of Biology (.5 credit)

Principles of Biology in a half year supplemental class focusing on the molecular aspects of biology including molecular biology and chemistry, cellular biology, bioenergenetics, homeostasis, and genetics. Students will focus on a project-based learning environment where they will continue to explore the mysteries of life as we know it.

330B Principles of Ecology (.5 credit)

Principles of Ecology in a half year supplemental class focusing on the ecological nature of life and our environment. Students will explore ecology, human influence, invasive species, evolutionary patterns, biomes and organism interactions. Students will focus on a project-based learning environment where they will continue to explore the mysteries of life as we know it.

331 Earth and Space Science (1 credit)

This course will allow students the opportunity to analyze the processes that shape the Earth's surface and use them to reconstruct the Earth's historic events. Also students will be able to predict weather patterns and events based on current and historical data. The class will let students investigate the ocean's role in controlling the world's climate. Finally, students will identify the celestial bodies of the universe and describe their origins.

332 Ecology (1.0 credit)

This course is designed to study the factors which influence the relationship between living things and the environment. Special consideration is given to human influence. The course will provide an overview of local and global environmental issues, as well as examine individual and governmental activities important for protecting natural ecosystems.

333 DE Concepts of Modern Physics with Lab (1.5 credits)

This course is designed for students who are college bound and need a strong background in theory and practical application for preparation for college physics and college mathematics. The Academic Physics course emphasizes a further development of abstract reasoning and advanced mathematical skills. Specific topics to be covered include Newton's Laws of Motion, Momentum, Energy, Heat, Sound, Light, Electricity, and Nuclear Physics. Because of the mathematical maturity required of physicists, careful selection of prerequisites is necessary.

334 Environmental Envirothon Science (.5 credit)

This course is designed to introduce the students to the Ecology and Wildlife of Pennsylvania. It is designed to parallel the curriculum of the Pennsylvania Envirothon competition. The students in this course will learn about local Wildlife, Aquatic Biology, Forestry, and Soils. They will also identify current environmental issues and collaborate with community resources to maintain and improve our local environment.

432 Physical Science (1 credit)

This course is designed to meet the needs of those students who will not be pursuing a career in mathematics and/or science. The students selecting this course will get a basic introduction to both the science of chemistry and physics. Topics covered in the chemistry portion of the course will include: the structure of the atom, the periodic table, chemical bonding, chemical reactions, acid-base reactions and organic chemistry. The physics portion of the course will include: metrics, motion, energy, heat, sound, light and electricity. If time permits, a few select topics in geology and/or astronomy could also be covered.

433 DE Human Biology (1.5 credit)

Advanced Biology is a dual enrollment biology course taught at RGHS in conjunction with the University of Pittsburgh at Bradford. The course covers general principles of human anatomy and physiology, biochemistry, and genetics. Discussions, labs, and case studies will be presented with reference to both normal body functions and disease states, in order to develop a deeper understanding of the workings of the body. If time permits, we will also be exploring forensic science topics that deal with the particular body systems we are covering. This course is strongly recommended for those students who plan on attending college to pursue a degree in the area of science.

DE 434 Introduction to Environmental Science (1 credit)

This is a dual enrollment course where students can earn 3 credits from the University of Pittsburgh at Bradford (ES 0110). This course is an interdisciplinary study that presents a general overview of how nature works and how earth and life systems, including society, are interconnected. It examines how the environment is being used and abused by humans and what individuals can do to protect and improve it for future generations and for other living things. This course is limited to only Juniors and Seniors.

Social Studies Courses

142 American Studies 9 (1 credit)

This course focuses on the history of the United States during the 20th century. Its major premise is that a study of the nation's past will give students an understanding of our democratic ideals and an appreciation for the variety of cultures that together have developed the American culture. Students will examine the geographical, economic, political, social, and historical influences on the development of America. The course begins with a study of Venango County history and the development of historical thinking skills. The main units are: the growth of the American population and development of urban centers, the Progressive Movement, beginning of international involvement with World War I, the important issues of the 1920s and 30s, World War II, the Cold War, and Civil Rights. Social, economic, and political issues of the 1960's, '70s, '80s, and '90s are studied. Current events in America and the world are examined throughout the year. Students will improve reading comprehension, verbal reasoning, and problem-solving skills. Students will be expected to demonstrate good working habits and complete a variety of projects and assignments on various American issues.

143 Accelerated American Studies 9 (1 credit)

This course focuses on the history of the United States during the 20th century. Its major premise is that a study of the nation's past will give students an understanding of our democratic ideals and an appreciation for the variety of cultures that together have developed the American culture. Students will examine the geographical, economic, political, social, and historical influences on the development of America. The course begins with a study of Venango County history and the development of historical thinking skills. The main units are: the growth of the American population and development of urban centers, the Progressive Movement, beginning of international involvement with World War I, the important issues of the 1920s and 30s, World War II, the Cold War, and Civil Rights. Social, economic, and political issues of the 1960's, '70s, '80s, and '90s are studied. Current events in America and the world are examined throughout the year. This course is designed for students who will continue their education beyond the high school level. It is designed for the highly motivated student who is willing to utilize independent learning skills to strengthen reading comprehension, verbal reasoning, and problem-solving skills. Requirements will include challenging reading, writing, and research outside of the class. Students will use critical thinking skills to analyze opposing interpretations of historical events.

242 World Studies 10 (1 credit)

In this course, students will study the culture and history of world civilizations from prehistoric times to the present. This course will focus on the chronological development of civilization beginning with a study of prehistoric man and the ancient civilizations of the Mideast. The course will then cover western civilization up to the 20th century. In this course, students will attempt to relate the significance of historical events and culture traits of past civilizations to our present society. From this study, students will attempt to gain a better understanding of their own culture. Students will be required to complete a variety of higher level research projects and assignments. This course is designed for students who will continue their education beyond the high school level.

243 Accelerated World Studies 10 (1 credit)

In this course, students will study the culture and history of world civilizations from prehistoric times to the present. This course will focus on the chronological development of civilization beginning with a study of prehistoric man and the ancient civilizations of the Mideast. The course will then cover western civilization up to the 20th century. In this course, students will attempt to relate the significance of historical events and culture traits of past civilizations to our present society. From this study, students will attempt to gain better understanding of their own culture. Areas of concentration will involve application of advanced critical thinking and communication skills. Students will be required to write objective and subjective essays and higher level research assignments. Requirements will also include extensive outside reading assignments related to the course material. This course is geared to highly motivated college or university bound students.

Social Studies Courses

342 American Government 11 (1 credit)

This course is a survey of the development, organization, implementation, and role of the American system of government in an increasingly multicultural society. The academic student will be expected to work with a variety of readings and assignments that reach beyond the traditional textbook. Units of study include the historical development of our system of government, the US Constitution, the three branches of government, citizenship and political participation, elections, public policy, civil liberties and rights, our legal system, as well as state and local governments. Current events will be included throughout the entire course. In addition, this course equips students with the very skills they need to succeed in the 21st century – the ability to communicate effectively, to work collectively, to hone critical questions, and to appreciate diversity. This course is designed to prepare students with the knowledge and skills necessary to participate as ethical and active citizens in our democracy. Students will explore and experience how an informed American citizenry exercises civil rights and liberties to participate in the political process.

343 DE American Political Process 11 (1 credit)

This course is a dual enrollment opportunity for college or university bound students to earn high school and college credit from successful completion of this class. Students will be expected to perform at the level of a college freshman. There will be routine out-of-class reading assignments and at least three research and essay assignments and is designed to replace an introductory level college class on the American Government. Units of study include the historical development of our system of government, The US Constitution, the three branches of government, citizenship and political participation, elections, public policy, civil liberties and rights, our legal system, as well as state and local governments. Current events will be included throughout the entire course. In addition, this course equips students with the very skills they need to succeed in the 21st century – the ability to communicate effectively, to work collectively, to hone critical questions, and to appreciate diversity. This course is designed to prepare students with the knowledge and skills necessary to participate as ethical and active citizens in our democracy. Students will explore and experience how an informed American citizenry exercises civil rights and liberties to participate in the political process.

345 Psychology (1 credit)

This course is an introduction to the scientific study of human behavior. In addition to the biological basis of behavior, research, learning, sensation and perception, thinking and language, memory, and consciousness are presented. Students will examine human development, as well as the influences on personality. Students will explore personality concepts, motivation and emotion, issues of health and adjustment, and social psychology. Students will explore topics in class through discussions, assignments, experiments, activities, and use of technology. This is an interactive class that allows students to use their curiosity and creativity to learn about human behavior. Open to students in grades 11 or 12. This is typically offered as an elective course.

346 History Through Movies (1.0 credit)

This year-long elective is designed for the highly motivated junior or senior that wants to explore American History from the 1920s through the 2000s. We will examine events such as the Iranian Hostage Crisis, the Cold War, Desert Storm, the mafia, the Wild West, Korea, Vietnam and so much more. This course will also include movies that are considered classics such as Psycho, It's a Wonderful Life, Ferris Bueller, among others. This elective will touch on the decades and topics that they may not have been exposed to during their school career. This will be an interactive course that students need to actively participate in to be successful. Students will explore our history through movies, projects, and presentations. This is a fun class that requires work.

Social Studies Courses

347 American Pop Culture (0.5 credit)

This year-long elective is designed for the highly motivated junior or senior that wants to explore American Pop Culture from the 1970s through the 2000s. This elective will examine the impact of Pop Culture in the United States as it helps to make our unique culture. We will examine popular cultural developments that coincide with historical events. Mass media, music, literature, film, radio, television, sports, fashion, and advertising will be some of the focus areas for study. We will watch movies that represent events from the different decades, as well as listen to music from that time. We will explore heroes from all areas of society including political, athletes, performers from different eras. This class will give an opportunity for students to investigate a variety of different pop culture influences that have become part of the American identity. This is a fun class that requires work.

442 Economics and Personal Finance (1 credit)

This course will explain our economy and the impact that people and governments have on the economy. The role of personal finance, business organizations, taxation, inflation, government regulation, trade, and economic structures will be used to show how we function together. This course is designed for students who will continue their education beyond the high school level. Students will be required to complete research projects, in-class assignments, speeches/ presentations, homework, tests, and quizzes. Students will also examine international hot spots and the reason for their issues. World issues, such as hunger, overpopulation, religious conflict and trade will allow for development of an understanding of how countries of the world rely on each other. Through projects, activities, maps, current events, and use of technology, students will gain an understanding of our place in the world. Students will also study personal concepts that will impact their financial future.

443 DE Economics in the Modern World (1 credit)

This course will explain our economy and the impact that people and governments have on the economy, as well as allowing students to explore the current events in the world. World issues, such as hunger, overpopulation, religious conflict, and trade will allow for development of an understanding of how countries of the world rely on each other. The role of personal finance, business organizations, taxation, inflation, government regulation, trade, and economic structures will be used to show how we function together. This course is designed for the highly motivated student. Students will be required to complete outside readings, research projects, presentations, in-class and homework assignments, tests and quizzes. Students will also study personal concepts that will impact their financial future.

Venango eAcademy (3 credits)

Students who enroll in the program will earn one (1) credit that replaces Economics and Personal Finance. They will also receive two (2) additional electives credits. See page (32) for further information on this program.

Physical Education Courses

105 PE 9 (0.25 credit)

9th grade physical education focuses on the PE4Life philosophy which is to inspire active, healthy lifestyles in children and adolescents through health-related physical activities. The goal is to inspire students to become physically active for their entire lives. Students will be given numerous opportunities to improve or maintain cardiovascular fitness. The variety of activities and sports that will be carried out during class will incorporate the five components of fitness: cardiovascular endurance, muscular strength, muscular endurance, flexibility, and body composition. By incorporating fitness technology, such as heart rate monitors and pedometers, students will better understand the value and benefits of exercise. All of the components will be developed through a range of individual and cooperative activities as well as team sports. In 9th grade, PE will focus more closely on expanding the students' knowledge and skills they learned during 8th grade physical education, as well as the development of individual sports, fitness, and physical activity skills.

106 Health 9 (0.25 credit)

9th grade health is composed of two sections. The first part is CPR/safety and the second part is the reproductive system. The first part follows the American Heart Association's Heartsaver CPR in the school curriculum. Training includes CPR, rescue breathing, obstructed airway management, and Automated Early Defibrillation, as well as addressing how to control severe bleeding, treatment for shock and diabetic emergencies, as well as many other emergencies and scenarios. Students will learn keys to choosing a health care provider, health insurance, and insurance issues as they relate to medical costs. The second section of the course focuses on the reproductive system and its function. Abstinence education will be taught through the WAIT training program. The primary message of WAIT training is to move students toward deciding what their morals and values are, setting goals they want to reach and their overall future health. The use of contraceptives during sexual activity will be discussed as well. The health care system and health care professions will also be discussed. Students will learn about the process of selecting a health care provider, health insurance, and insurance issues as they relate to medical costs.

905 PE 10-12 (0.5 credit)

Senior high physical education focuses on the PE4Life philosophy which is to inspire active, healthy lifestyles in children and adolescents through health-related physical activities. The goal is to inspire students to become physically active for their entire lives. Students will be given numerous opportunities to improve or maintain cardiovascular fitness. The variety of activities and sports that will be carried out during class will incorporate the five components of fitness: cardiovascular endurance, muscular strength, muscular endurance, flexibility, and body composition. By incorporating fitness technology, such as heart rate monitors and pedometers, students will better understand the value and benefits of exercise. All of the components will be developed through a range of individual and cooperative activities as well as team sports.

906 Advanced Health (0.5 credit)

This health course is designed to address health topics that are not typically included in the seventh and ninth grade curriculum. Topics such as mental and emotional health, healthy and safe relationships (family, peer, resolving conflict and violence), nutrition and physical activity, growth and development, drugs and alcohol, diseases and disorders, and community and environmental health will be discussed.

Foreign Language

French

152 French I (1 credit)

In this course, students will develop beginning skills of reading, writing, listening, and speaking in the French language. They will also be introduced to cultural knowledge of France and other French speaking nations.

252 French II (1 credit)

French II is a continuation of French I with more emphasis on the reading and writing of the language. Grammar and vocabulary will be emphasized.

352 French III (1 credit) *Pre-requisite/ recommendation

In this course, students will continue to develop skills of reading, writing, listening, and speaking in the French language. Cultural knowledge and "real world" uses of the language will be integrated through student inquiry based projects. NOTE: If it is necessary to combine French III with French IV due to low student enrollment, students can expect more of an individualized study class.

452 French IV (1credit) *Pre-requisite/ recommendation

In this course, students will continue to develop skills of listening and speaking in the French language while placing a major emphasis on reading, writing, and translating skills. NOTE: If it is necessary to combine French III and French IV due to low student enrollment, students can expect more of an individualized study class.

Spanish

157 Spanish I (1 credit)

In this course, students will develop beginning skills of reading, writing, listening, and speaking in the Spanish language. They will also be introduced to cultural knowledge of the Hispanic world.

257 Spanish II (1 credit)

Spanish II is a continuation of Spanish I with more emphasis given to grammar. This emphasis helps build the foundation for the advanced Spanish III and IV classes.

357 Spanish III (1 credit) *Pre-requisite/ recommendation

Although advanced grammar is studied in Spanish III, a large portion of the student grade is based on conversational activities. NOTE: If it is necessary to combine Spanish III with Spanish IV due to low student enrollment, students can expect more of an individualized study class.

457 Spanish IV (1 credit) *Pre-requisite/ recommendation

Spanish IV is a continuation of Spanish III. Advanced grammar and conversational activities are of primary concern. NOTE: If it is necessary to combine Spanish III with Spanish IV due to low student enrollment, students can expect more of an individualized study class.

FAMILY AND CONSUMER SCIENCES

170 Child Development 9 (0.25 credit)

9th Grade students will learn the basics of how infants and toddlers develop. They will also learn appropriate ways to handle discipline issues. All 9th grade students will take home the Reality Works Simulation for a night. It will give them a real life like experience of being a parent to an infant. This baby records being fed, diaper changes, and even burping. This information is used by the teacher to assign a grade on how well the baby is cared for by the student.

970 Advanced Child Development (1.0 credit)

Students will learn aspects of prenatal development from nutrition to healthy choices. Students will also study the development of infants to preschoolers. Students will be expected to take home the Baby Think It Over to experience what life with an infant is really like. Students must be in grades 10, 11 and 12 to take this course.

971 Chef's Class (1 credit)

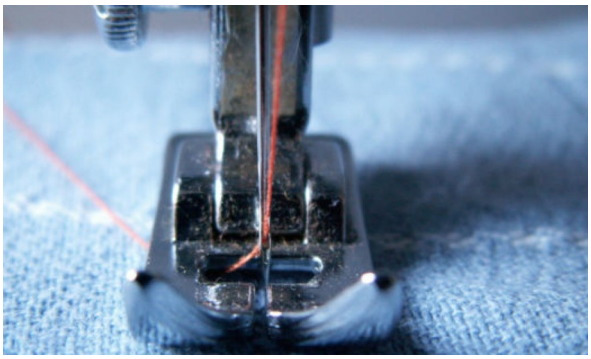
This class will be an entire year of cooking! Students will learn everything from kitchen basics to the science of making bread. The second part of the year will be spent traveling around the world learning about the cultures and cuisines of the different parts of the world.

972 Advanced Chef's Class (1 credit)

In this year long course this class will do food experiments to learn how and why ingredients and measuring are so important. Students will have the opportunity to work with more advanced recipes to increase their skills in the kitchen. (*Prerequisite Chef's Class 971)*

973 Wellness/Nutrition (0.5 credit)

Students will learn about the food pyramid, nutrition, and better eating habits. Students will enjoy 1 or 2 food labs along the way that encourage nutrition.



974 Sewing for Fun (0.5 credit)

Would you like to learn how to make stuffed animals or your own clothes? Would you like to learn more about sewing? This is a semester class open to students in grades 9-12. Basic clothing construction, home décor, and crafts will be made. **Students are financially responsible for the materials for class.**

975 Daily Living (0.5 credit)

This is a one semester course for Juniors and Seniors. This class will focus on skills for being a successful adult. The class includes a combination of concepts and skills including cooking, sewing, banking, insurance, laundry, and ironing.

MUSIC

950 Sr. High Concert Choir (1 credit)
The vocal music program at Rocky Grove High School is a performance oriented program. The membership for this ensemble is any student studying voice or any who have an interest in vocal music in grades 9-12. The daily activities in the classroom culminate in a public performance of the literature being studied. Public performances may take the form of school assemblies, concerts, festivals, etc. Even though the majority of the time in the classroom will be spent preparing for a public performance, advanced elements of music, theory, history, fundamentals, and other topics will be discussed.

951 Sr. High Concert Band (1 credit)
The instrumental music program at Rocky Grove High School is a performance oriented program. The daily activities in the classroom culminate in a public performance of the music being studied. Band, therefore, requires extra time and practice above and beyond the school day. Public performances may take the form of school assemblies, parades, concerts, festivals, etc. Even though the majority of the time in the classroom will be spent preparing for a public performance, elements of music, theory, history, fundamentals, marching band techniques, and other topics will be discussed as well.

952 PEP Band (.25 credits)
Pep Band is open to all students grades 7-12. This group rehearses once a week after school during the months of November-December, and plays for at least 5 Basketball games. Students can earn .25 credits for this class and will receive a P/NP grade. This class can also be taken for no credit. Please get approval from the Band Director before signing up for this class.

953 Theater (.5 credit)
This is an activity based course for any 9-12 grade student interested in the various aspects of theatre. Focus will be on the exploration and preparation of acting, directing and producing, and technical theatre. No prior knowledge is needed to be successful in this class, to develop respect for the work, or to find an appreciation of theatre. The emphasis of this course will be on the enjoyment of creating for the stage.

954 Theater II (.5 credit)
This is an activity based course for any 10-12 grade student who has already received credit for Theatre I. It is a continuation of the concepts developed in Theatre I. Focus will be on the performance aspect of each of the three main emphases of theatre: acting, directing and producing, and technical theatre.

Music Theory I – III (0.5 credit each)

955 Music Theory I
This course is for any student with a musical background, from instrumental to vocal, who is interested in learning the fundamentals of music. This course is an introduction to theory of music, including elements of pitch, rhythm, diatonic chords, and major and minor keys.

956 Music Theory II
This is for any student interested in continuing their knowledge of the fundamentals of music who has taken Music Theory I. This course will build on concepts discussed in Music Theory I and expand to higher levels including principles of voice leading, harmonic progression, triads, cadences, phrases, seventh chords, and chromaticism.

957 Music Theory III
This is for any student interested in continuing their knowledge of the fundamentals of music who has taken Music Theory I & II. This course will build on concepts discussed in Music Theory I & II in order to expand to higher levels, further investigating the principles of voice leading, harmonic progression, triads, cadences, phrases, seventh chords, and chromaticism.

MUSIC

Piano I-IV (0.5 credit each)

958 Piano I

This class is designed for beginning or non-keyboard players. The objective of this course is to develop functional keyboard skills that will enable students to cope with practical situations at the keyboard.

959 Piano II

This class is designed for intermediate piano players. The class is designed to reinforce and build on the skills acquired in Class Piano I.

960 Piano III

This class is designed for intermediate to advanced keyboard players that includes lessons, theory, and solo material that allow the student to play in more advanced keys, as well as play some of the great masterworks of piano literature.

961 Piano IV

This class is designed for advanced keyboard players focusing on solo work and accompaniment, with an introduction to composition and improvisation.

962 Introduction to Dance (Grades 9-12) (.5 credits)

Introduction to Dane provides a dance overview. Students become acquainted with basic technique in a variety of dance styles, as well as anatomical awareness that is pervasive throughout their lives. Gaining movement skills and finding confidence and enjoyment through movement are a focus of this class. No previous dance experience is necessary.

963 Introduction to Music Technology (Grades 9-12) (.5 credits)

An exploration of introductory concepts in music technology including audio production, MIDI sequencing, sampling synthesis and other pertinent topics through creative projects using available software and hardware. Students will compose their own digital compositions in various musical styles for presentation.

ART

910 Intro to Art (Grades 9-12) (1 credit)

In this all year class is where students will be introduced to a wide variety of mediums, techniques, history, and theories. Students will be working on anything like drawing, paintings, ceramics, and more. Starting in the Fall 2019, students entering the Sr. High must take this course before taking any other Sr. High art classes.

SPECIALTY ART CLASSES:

911 Ceramics 1 (Grades 10-12) (.5 credits)

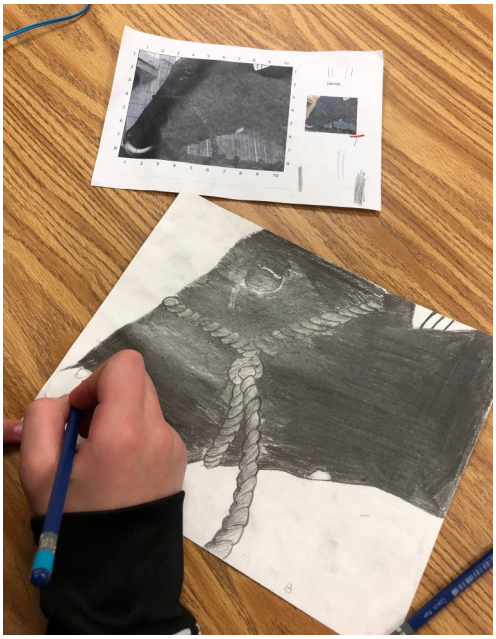
This elective will teach the fundamental methods of forming clay into a three-dimensional art form. The basic techniques for hand building (pinch pot, slab construction, and coil construction) will be demonstrated. Emphasis will be placed on craftsmanship, creativity, and application of the elements and principles of design. Definitions of materials and ceramic processes will be presented and a sketchbook will be maintained for research and planning. All projects will be clay.

912 Ceramics 2 Grades 10-12) (.5 credits)

Building on from Ceramics 1, this course's focus will be on the construction of more complex pieces through creativity and problem-solving. This class will introduce the additional challenge of the fundamentals of wheel throwing, allowing students to throw mugs, bowls, plates, and many others. All projects will be clay.

913 Drawing 1 (Grade 10-12) (.5 credits)

This studio course is designed for students who have a desire to learn the fundamental skills of drawing from reality; the course is highly recommended for the student who plans to take other art electives and those who plan to pursue any visual art pathway. Students will learn to draw still life, figures, perspective, from a grid, and en plein air. Weekly sketchbook assignments are an important part of the course and independent practice and application of learned skills are recommended for success.



914 Drawing 2 (Grades 10-12) (.5 credits)

The course builds upon the basic skills learned in Drawing 1. A variety of wet and dry drawing media techniques will be used. The Elements and Principles of Design are studied and applied to the creative process of planning and drawing original and creative pieces.

915 Painting 1 (Grades 10-12) (.5 credits)

This course provides the foundation of painting, its application and materials. It focuses on the color theory and the processes of wet-into-wet, dry-brush paint application, and other techniques. Working from direct observation and reference photos, students develop an understanding of composition and paint manipulation. Students will be working will acrylic, watercolor, and beginning stages of oil paint. It is highly recommended that students take Drawing 1 before this course.

ART

916 Painting 2 (Grades 10 –12) (.5 credits)

This course is a continuation of Painting Media 1. It provides a deeper exploration into two-dimensional techniques and emphasis on the development of a student's individual point of view. Students will mainly use oil paint and then explore painting on three0dimensional surfaces. Students explore the boundaries between painting and sculpture when non-traditional materials are incorporated.

917 Arts & Crafts - (Grades 10-12) (.5 credit)

This course is where art meets function. It will focus on traditional techniques such as fiber and textile crafts, bookmaking, stone crafts, paper crafts, mixed media, and jewelry making. Most of the pieces the students will make will have a function other than and will be three-dimensional, with some that are two-dimensional.

918 3D Art - (Grades 10-12) (.5 credit)

In this studio course, the elements and principles of 3-D design are studied and utilized to create art that exists in three dimensions. Various artists, art styles, and genres will be studied. Students will be working on sculptures, paper mache, some clay, and other ways to explore art in 3D. The ability to generate original solutions to design problems will require basic drawing skills, creative thinking and artistic exploration of possible approaches.

919 Foundations of Art (Art History) (Grades 10-12) (.5 credits)

This course will follow a historical timeline that studies the progression and application of the visual arts from the ancient era to the present day. Students will be introduced to and develop skills and knowledge in the areas of art history, art criticism, design concepts, art production, and art careers.

920 Advanced Art - Grade 12 (1.0 credit)

An all year class reserved for Seniors who have taken at least two art courses in Sr. High. This class is where the seniors can focus on their personal portfolio and personal style. They produce work of the most thoughtful, meaningful, skilled, and significant artwork in their high school career focusing on the mediums they choose. Students will explore their personal style while learning how to critique. Students will complete a portfolio with at least 12 quality works of art. It is a final class that is challenging but reachable goal toward which kids want to work. (Not required for seniors. They can choose to take specialty courses instead)

TECHNOLOGY, BUSINESS, & COMPUTER EDUCATION

930 Introduction to Woodworking 9-12 (1 credit)

This course is aimed at any student interested in learning about woodworking. The students will learn how to work with a variety of machines and processes found in the carpentry trades. During this course students will learn how to plan, select and use materials, including tools and machines to produce a finished product. Emphasis will be on safety and quality of workmanship.

931 Sr. High Woodworking 10-12 (1 Credit)

This woodworking course is designed to give the student a solid background in the design/planning, construction/ production, and materials usage of wood and associated materials. The student will be exposed to all types of tools and power equipment. Students will develop skills in problem solving, team work, safety, craftsmanship, value of time, and a positive attitude about work. This course is offered to all students in grades 10-12. Students will work on required and independent projects. Pre-requisite 960 Introduction to Woodworking.

932 Computer Aided Drafting (1 credit)

This course allows a student to learn to visualize in three dimensions, develop a technical imagination, and learn the language of industry and how it relates to all the products that are designed today. The student will learn how to solve problems through the design process by sketching, rendering, and drawing with equipment and computers. This course is offered to all students in grades 9-12. This course is strongly suggested for students planning to attend an engineering or architectural college.

933 Robotics (1 credit)

The objective of this course is to introduce students to the field of Robotics and stimulate their interests in science and engineering through the participation of the entire engineering design process. This course covers a variety of multidisciplinary topics necessary to understand the fundamentals of designing, building, and programming robots.

936 Computer Science Applications I (0.5 credit)

Computer Science Discoveries is an introductory computer science course that empowers students to create authentic artifacts and engage with computer science as a medium for creativity, communication, problem solving, and fun.

937 Computer Science Applications II (0.5 credit) Prerequisite: Algebra I and Computer Science Application I

Computer Science Principles is a course designed to prepare students who are new to computer science for the AP CS Principles exam. The course covers many topics including the Internet, Big Data and Privacy, and Programming and Algorithms.

997/998 Internship/Externship (Seniors Only)

The Internship/Externship program is designed to provide seniors with an opportunity to direct their own education through an experience of career exploration, community service, or personal interest. It enables the student to extend learning beyond the school. It offers an opportunity to apply high school knowledge and skills in what we hope will be a culminating experience of four years at Rocky Grove High School. A application packet is required and a weekly log of experiences. Students will receive credit for this experience and a pass/fail grade.

ADDITIONAL SR. HIGH COURSES

938 Graphic Design Technologies (1 credit)

This course provides students with the basic skills and knowledge of graphic design's industry-standard software. Using the MacBook Airs, students will not only learn how to navigate an Apple computer, but will also learn how to use the Affinity Photo, Designer, and Publisher as well as touching on iMovie and GarageBand. This course provides students with the necessary skills to start incorporating design and artwork in Graphic Design 1 .

939 Graphic Design 1 - (Grades 10-12) (.5 credits)

The purpose of this course is to learn how to create art and original graphics using computer software and technological equipment. Time spent in this course will be divided among learning Affinity Photo, Affinity Designer, Affinity Publisher, and concepts of digital photography. Projects are designed to integrate the use of scanners, digital drawing, cameras, and iPads while learning the elements and principles of design. Prior drawing experience is helpful. It is highly recommended to take Graphic Design Technologies prior to this course.

940 Graphic Design 2 - (Grades 10-12) (.5 credit)

To build on the fundamental knowledge of the programs in Graphic Design 1, this course will focus more on the design process. Students will learn the power of both word and image in communicating ideas and information. Students will be introduced to the fields of advertising, graphic design, and typography while using the Affinity Designer program. Projects will simulate real-world design problems such as page layout, magazine ads, book jacket designs and posters incorporating photographic imagery and photo manipulation.

107 9th Grade Career Exploration (.25 credits)

This course provides 9th grade students with the opportunity to explore different careers and develop initial career plans. Students will be exposed to different skills such as writing cover letters, resume, and developing different career skills.

941 App Development (0.5 credit)

Pre-requisite: Computer Science Application I

This course is an introductory mobile design and programming course using Swift Playground for apple devices. Students will more on to learning about the current industry standards, languages, and platforms used in mobile apps development with a specific focus on career opportunities within the industry and the entrepreneurial potential that exists.

943 Yearbook (1 credit)

This course is offered as an elective to students in grades 9-12. Students may repeat this course for credit in grades 9-12. The focus of the course will be on the skills necessary to develop a school yearbook. Topics will include: financing a yearbook, conceptualizing and designing a yearbook, reporting and writing in a yearbook, designing and writing headlines and captions, planning and producing photographs, and preparing a yearbook for the printer. The final product of the course will be the school yearbook.

997/998 Internship/Externship (1-2 credits)

The Internship/Externship program is designed to provide seniors with an opportunity to direct their own education through an experience of career exploration, community service, or personal interest. It enables the student to extend learning beyond the school. It offers an opportunity to apply high school knowledge and skills in what we hope will be a culminating experience of four years at Rocky Grove High School. An application packet is required and a weekly log of experiences. Students will receive credit for this experience and a pass/fail grade.

999 Driver Education (.25 credits)

In addition to learning how to drive, students learn of risks associated with driving and how to manage those risks. The goal of the Driver Education program is to provide students with the skills, confidence and attitude to safely participate in the highway transportation system. Having a valid PA driver's license will enable students to participate in activities such as education, recreation, employment and social activities.

Venango Technology Center

Venango Technology Center is an equal opportunity education institution and does not discriminate on the basis of race, color, national origin, sex, or handicap, in the administration of any of its educational programs, activities or employment practices in accordance with applicable federal statutes and regulations. Inquiries should be directed to the Title IX and Section 504 Coordinator at the Venango Technology Center, 1 Vo-Tech Drive, Oil City, PA 16301 (www.vtc1.org)

Course Descriptions

Allied Health Occupations

This program is designed to prepare the students for a career in the health care field caring for patients in hospitals, nursing homes, and home care. Students learn CPR, First Aid, medical terminology, and how the body works.

Auto Body Repair Technology

The student learns the following skills: MIG welding, use of hand tools, collision and plastic repair, refinishing & painting techniques, and damage estimating. The auto body student will analyze damage to uni-body structures, look up manufacturer's paint codes, and mix the correct colors of paint. A state of the art down draft spray booth is available for the development of refinishing skills.

Automotive Technology

New students learn automotive maintenance including the following: brake work, tire changing & repair, wheel balancing, oil changes, lubrications, exhaust systems, and electrical systems, analysis of engine problems, adjustment, repair, and replacement of faulty parts. The students also learn engine tune-up, engine overhaul, steering systems, wheel alignments, fuel injection theory, drive-ability, and repair.

Building Construction Technology

This course begins with an emphasis on the safe use and care of hand tools and power tools. Rough framing, roof framing, exterior finish, interior finish, and stair building are taught and the learning is culminated with the construction of an actual full-scale house. Electrical wiring, plumbing, dry wall application and masonry are also taught. Trade mathematics, estimating, and blueprint reading are major units of the course.

Computer Aided Drafting & Design (CADD)

The CADD curriculum prepares the student for entry-level skills as a mechanical or architectural draftsperson. Basic drafting fundamentals on the drafting board, applied mathematics and basic geometry, and computerized drafting (CAD) comprise the Computer Aided Drafting & Design curriculum. The CAD equipment is computer-based with the latest version of AutoCAD, Architectural & Mechanical Desktop, Inventor Series Professional, and Revit Building programs.

Additional Vo-Tech Course Description

Computer Information Systems (CIS)

The first year is devoted to introducing students to computer concepts and terminology, general business applications with Microsoft Office, computer programming, web site development, and 2D animation. The second-year students learn how to analyze common hardware/software/networking processing, problems, and preformation issues, integrate common preventive maintenance techniques, and identify cyber law and digital forensics by using computer forensics techniques. Third year students will concentrate on multimedia development, 2D video game development, and 3D animation commonly seen in video games and motion pictures.

Culinary Arts

The culinary arts department is divided into two phases: chef training (including baking) and waiter/waitress training. The chef training emphasizes food service and bakery operation; including banquet service, buffets, fast food preparation, and institutional food service. The waiter/waitress program stresses proper customer service, table setting, reading and describing a menu, and cash register operation.

Dental Assisting

Dental Assistants carry out a wide variety of jobs within a private dental office, clinic, or hospital setting. Dental Assistants work alongside the dentist to provide a second pair of hands while giving comfort to the patient. Some of these jobs include greeting patients, preparing procedure trays, mixing required dental materials, evacuation of fluids, and the transfer of instruments & instrument sterilization. They also give oral hygiene instructions along with pre- and post-operative instructions and nutrition counseling.

Electronics Technology

Students study electrical and electronic circuits, audio and digital electronics, microprocessors, robotics systems, copper cabling, fiber optics, and computer servicing and troubleshooting. Students operate voltmeters, oscilloscopes, and other specialized equipment. Students will also receive instruction in programmable logic controllers and industrial motor controls. Students will build their own lab trainer, multi-meters, and other electronic projects. A prior course in algebra is helpful, but not required.

Heating, Ventilation & Air Conditioning Technology (HVAC)

This is an instructional program that prepares individuals to apply technical knowledge and skills to install, repair and maintain commercial and domestic heating, air conditioning and refrigeration systems. Instruction includes theory and application of basic principles involved in conditioning of air (cooling and heating); filtering and controlling humidity; operating characteristics of various units and parts; blueprint reading; use of technical reference manuals; the diagnosis of malfunctions; overhaul, repair and adjustment of units and parts such as pumps, compressors, valves, springs and connections; and repair of electric, electronic and pneumatic control systems.

Heavy Equipment Repair Technology

This program prepares individuals to apply technical knowledge and skills to the specialized maintenance and repair of trucks, buses, and other commercial and industrial vehicles. Includes instruction in diesel engine mechanics, suspension and steering, brake systems, electrical and electronic systems, preventive maintenance inspections, drive trains, HVAC systems, and auxiliary equipment installation and repair.

Additional Vo-Tech Course Description

Machine Tool Technology

Blueprint reading, understanding instructions, and mental alertness, with good eye-hand coordination are necessary ingredients for the machine tool technology area. Machine work includes: lathe, milling machine, heat-treating, bench work, drill press, grinder, and band saw. In addition, the student is exposed to a computerized numerically controlled (CNC) milling machine and a computerized turning center. This enables the student to learn current technology as it relates to computer-controlled machinery.

Natural Resources

A combination of subject matter and planned learning experiences dealing with conservation and natural resources such as air, forests, soil, water, fish, plants, and wildlife are a part of this course. Students are able to explore careers in forestry, horticulture, landscaping, recreational land use, environmental protection, and a variety of related careers. The four main areas of the program are: landscaping, horticulture, forestry, and greenhouse operation.

Protective Services

This program provides a great start for students who choose to pursue higher education in their chosen field. Students will also learn skills that enable them to walk-on to several entry-level jobs that are in high demand in our area and across the United States. Students will develop the mental, physical, and moral attributes to be successful in the Protective Services fields, including Law Enforcement, Fire, and Emergency Medical Services. Students will engage in a daily regimen of physical fitness and will be required to maintain uniforms.

Welding Technology

The course deals with blueprint reading, hand tools, brazing, using oxygen/acetylene torches, shielded metal arc (stick) welding, gas metal arc (M.I.G) welding, gas tungsten arc (T.I.G.) welding, and flux core arc welding (FCAW) in various test positions. The student will cut metals using a variety of cutting processes. Students will practice and have the opportunity to obtain certifications under American Welding Society codes. Safety is stressed throughout the course.

VTC Perkins Soar Information

Students Occupationally & Academically Ready (SOAR) is the career and technical Program of Study (POS) educational plan that articulates the high school career and technical programs to postsecondary degree or diploma or certificate programs. SOAR programs lead students into a career pathway that align the high school courses to a postsecondary program to complete a degree or certificate.

The main steps you need to take are:

Sign up for a career and technical education program and finish the program
Earn a high school diploma
Achieve a minimum 2.5 grade point in your career and technical education program
Achieve competent or advanced level on the NOCTI
Achieve proficiency on all tasks in the approved Task List

If you achieve those requirements then there may be colleges all over Pennsylvania that will award you college credit for the work you did in high school. For more information, please visit:

https://www.collegetransfer.net/Search/PA-Bureau-of-CTE-SOAR-Programs

VTC Articulation Agreements

CIP Code	CIP Title	VTC Program Name	Articulation Agreement
1.0601	Applied Horticulture/Horticultural Operations, General	Natural Resources	Butler County Community College BC3
12.0508	Institutional Food Workers	Culinary Arts	Pittsburgh Technical College PTC
15.0303	Electrical, Electronic and Communications Engineering Technology/ Technician	Electronics Technology	Precision Manufacturing Institute PMI
			Triangle Tech
			Butler County Community College BC3
			Pittsburgh Technical College PTC
15.1301	Drafting and Design Technology/ Technician, General	Computer Aided Drafting & Design	Triangle Tech
			Butler County Community College BC3
			Pittsburgh Technical College PTC
43.9999	Homeland Security, Law Enforcement, Firefighting and Related Protective Services, Other	Protective Services	Clarion University of PA
			Pennsylvania College of Technology
			Pittsburgh Technical College PTC
46.9999	Construction Trades, Other	Building Construction Technology	Triangle Tech
47.0604	Automobile/Automotive Mechanics Technology/Technician	Automotive Technology	Pittsburgh Technical College PTC
			University of Northwestern Ohio
47.0613	Medium/Heavy Vehicle and Truck Technology/Technician	Heavy Equipment Repair Technology	University of Northwestern Ohio
48.0501	Machine Tool Technology/Machinist	Machine Tool Technology	Thaddeus Stevens College of Technology
			Precision Manufacturing Institute PMI
48.0508	Welding Technology/Welder	Welding Technology	Ohio Technical College OTC
			Precision Manufacturing Institute PMI
			Triangle Tech
			Pittsburgh Technical College PTC
51.0899	Health/Medical Assisting Services, Other	Allied Health Occupations	Butler County Community College BC3
52.1201	Management Information Systems, General	Computer Information Systems	Butler County Community College BC3
			Pittsburgh Technical College PTC

Venango eAcademy (Entrepreneurship Academy)

Summary

12:20 – 2:05 PM Monday – Thursday at Clarion University Venango Campus

- Dual enrollment entrepreneurship program for High School Seniors
- Students will receive 3 high school credits
- A letter grade from the eAcademy will be issued by the instructor for high school transcripts
- Option to earn 6 college credits through Clarion University

Students enrolled in the eAcademy will be immersed in project-based entrepreneurial experience where they will develop 21st century skills and learn what it takes to start and run a business successfully! Participants will network with guest speakers, attend field trips, and engage in community service experiences. By the end of the program students will have their own start-up company. They will compete against classmates in a "Demo Day" to see who has the best business plan and idea.

About

The eAcademy, started in 2019, is a program for high school seniors created through a collaborative partnership involving the Venango County Economic Development Authority, the County of Venango, Clarion University Venango Campus, the eCenter @ LindenPointe and 7 local school districts. The eAcademy at Venango is an expansion of the existing, highly successful, eAcademy @ LindenPointe (started in 2011).

The course consists of 75% facilitation and 25% lecture. This program is designed to immerse students in learning about economic development, the local region, and the essential aspects of the unlimited opportunities a different way of thinking can provide. As students learn the academic knowledge, startup methodology, and individual skill sets, they will apply it all to the creation of a startup business with a working prototype.

Students are selected from high schools in the Venango region based on an application process. Selected students spend part of their day at their regular high schools and part of their day Monday – Thursday during the school year at the eAcademy (Clarion Venango Campus). The eAcademy also offers optional college courses, on Fridays, with Clarion University for students enrolled.

For more questions please talk to the high school guidance department or call the eAcademy at (814)432-9677.

Eligibility Requirements

Students interested should apply to the eAcademy in Spring of their junior year. An application can be found in the guidance office or at https://www.vceda.com/672/Learn . A GPA of 3.0 or higher is not needed, but preferable. Good attendance, proper attitude, and appropriate behavior are a must. Students will also need recommendations from their schools' principal, guidance counselor, and one teacher.

JUNIOR HIGH SECTION

Junior High Scheduling Guidelines

Most classes in the seventh and eighth grade curriculums are required courses. Students will have the opportunity to choose choir, band and/or robotics as additions to their core curriculum. An Accelerated level of curriculum will be offered to students who meet the academic criterion. Staff & administration will review student grades, state assessment scores, analytical test scores and teacher recommendations for accelerated curriculum candidates. Students who are recommended for the Accelerated level curriculum will be notified during the scheduling process.

It is also important to note that schedule changes after the start of the school year are strongly discouraged. Students who wish to make schedule change, must complete the appropriate on-line document and will have the opportunity to discuss the proposed change with the school counselor. **PLEASE NOTE: Schedules will not be changed on the first day of school.**

Schedule changes between levels of a particular course will require the written recommendation of the teacher and written approval of the custodial parent/guardian to make the change. The principal will hold a conference to resolve any disagreements regarding this policy and will make the final decision weighing student ability, teacher recommendation, parent concerns, and disruptions to the overall school schedule.

Junior High Course Offerings

7th Grade

English Classes:
English Language Arts 7
Accelerated English Language Arts 7
Literacy and Comprehension

Math Classes:
Math 7
Accelerated Math 7

Science Classes:
Science 7
Accelerated Science 7

Social Study Classes:
World Geography 7
Accelerated World Geography 7

Additional Classes:
Art
Family Consumer Science
Physical Education
Health
Jr High Band
Jr High Choir
Jr High Robotics

8th Grade

English Classes:
English Language Arts 8
Accelerated English Language Arts
Literacy and Comprehension

Math Classes:
Math 8
Algebra I

Science Classes:
Science 8
Accelerated Science 8

Social Study Classes:
American History 8
Accelerated American History 8

Additional Classes:
STEAM and Industrial Arts
Physical Education
Music
Language Exploration
Technology Education
Jr High Band
Jr High Choir
Jr High Robotics

JH Course Descriptions English

7th GRADE English Classes

712 English Language Arts 7

This course includes the exploration of a variety of fiction and nonfiction texts. Students have an opportunity to improve skills in recognizing conflict and irony, interpreting theme, identifying authors' tone, and distinguishing fact from fiction, among other elements and aspects of literature. Students in this course will also continue to develop and demonstrate the independent application of active reading strategies. Students will also build upon previous foundations of grammar knowledge. Spelling skills previously acquired will be reinforced while new rules and usages are introduced. This will then be utilized in various ways through student writings. Students will continue to develop their argumentative, informational, and narrative writing skills.

713 Accelerated English Language Arts 7

This course includes the exploration of a variety of fiction and nonfiction texts. Students have an opportunity to improve skills in recognizing conflict and irony, interpreting theme, identifying authors' tone, and distinguishing fact from fiction, among other elements and aspects of literature. Students in this course will also continue to develop and demonstrate the independent application of active reading strategies. Students will also build upon previous foundations of grammar knowledge. Lessons dealing with vocabulary enrichment are an important part of this course.

715 Literacy and Comprehension 7

The 7th grade reading program is designed to develop proficient readers who see themselves as capable readers, who choose to read, and who will continue to be lifelong readers. Reading in the 7th grade encompasses the following: novels, short stories, memoirs, poetry, non-fiction text, independent reading, and literature circles. Students receive specific instruction in order to improve reading comprehension, fluency, vocabulary, and the ability to read a variety of materials. Students learn and practice a variety of specific reading strategies that they can use when reading fiction and non-fiction texts.

8th GRADE English Classes

812 ELA 8 (English & Language Arts)

This course reinforces and expands upon the basic skills addressed in 7th grade. Students will refine their writing skills and implement their grammar and spelling knowledge into their writing. An emphasis will be placed upon persuasive writing. Students are led through the writing process, from prewriting to revising to the final copy. They will also learn basic presentation skills and will be expected to create and present at least one formal speech. Spelling in this course targets commonly misspelled and commonly confused words while still reinforcing basic spelling rules students have been exposed to in the past. Students will continue to explore various genres of literature. More thorough examinations of such texts will be done to enhance reading comprehension and analysis. Students become familiar with actual human experiences through much of the literature presented in this course; consequently, they will develop an interest in good literature.

813 Accelerated ELA 8

The Accelerated English 8 course offers a more in-depth study of writing skills. Students are led through the writing process, from prewriting to revising to the final copy. Lessons emphasize grammar, usage, and mechanics to instruct and provide examples. Students not only explore grammar concepts but also apply them in their own writing activities. Special emphasis is on persuasive paragraph writing. Coordinating with this is the concentration of persuasive oral presentations. Spelling in this course targets commonly misspelled words and commonly confused words while still reinforcing basic spelling rules students have been exposed to previously. Utilizing this knowledge in their writing is expected of the students. Students will grasp more complex meanings and applications from the literature presented in class than in the past. A primary concern of this course is that each student can increase his/her reading, thinking, and communication skills. To prepare for entry into Accelerated English 8, students must read a teacher-designated novel and complete a given assignment prior to the start of the school year.

815 Literacy and Comprehension 8

The 8th grade reading program is designed to continue the development of proficient readers who see themselves as capable readers, who choose to read, and who will continue to be lifelong readers. Reading in the 8th grade encompasses the following: novels, short stories, memoirs, poetry, non-fiction text, independent reading, and literature circles. Students receive specific instruction in order to improve reading comprehension, fluency, vocabulary, and the ability to read a variety of materials. Students learn and practice a variety of specific reading strategies that they can use when reading fiction and non-fiction texts.

Jr. High Math Courses

7TH GRADE Math Classes

722 Math 7

This course is designed to include the Pennsylvania Core Standards and PSSA Assessment Anchors in Mathematics. The course is an integrated study of the properties of real numbers with an extension of topics such as order of operations, patterns, relationships, basic Algebra, basic Geometry, data analysis, and problem solving while reinforcing topics such as integers, proportions, linear equations, slope, graphing, and probability.

723 Accelerated Math 7

This course is for students with above-average math skills and is designed to include the Pennsylvania State Standards and PSSA Assessment Anchors in Mathematics for the appropriate grade level. The course is the equivalent of Pre-Algebra and is a study of the properties of Real Numbers with a more in-depth extension of topics such as order of operations, patterns, relationships, data analysis, problem solving, integers, proportions, solving equations, linear equations, slope, graphing, and probability.

8TH GRADE Math Classes

822 Math 8

This course is designed to include the State Standards and PSSA Assessment Anchors in Mathematics for the appropriate grade level. The course is a study of the properties of real numbers with a more in-depth extension of topics such as order of operations, patterns, relationships, basic algebra, basic geometry, data analysis, problem solving, integers, proportions, solving equations, linear equations, slope, graphing, probability, etc.

823 Accelerated Math 8

This course is for students with above-average math skills and is designed to include the Pennsylvania State Standards and PSSA Assessment Anchors in Mathematics for the appropriate grade level. The course is the equivalent of Pre-Algebra and is a study of the properties of Real Numbers with a more in-depth extension of topics such as order of operations, patterns, relationships, data analysis, problem solving, integers, proportions, solving equations, linear equations, slope, graphing, and probability.

122 Algebra I (1 credit) *Keystone

This course is designed to be an in-depth study of Algebra aligned to the State Standards and PSSA Assessment Anchors in Mathematics for Algebra. The course is an extension of PSSA Math 8 and Pre-Algebra. Algebra techniques are used for problem solving as students continue to explore numbers, variables, order of operations, patterns, tables, graphs, relationships, slope, data analysis, proportions, equations, inequalities, inverse operations, linear equations, and probability.

Jr. High Science Courses

7th GRADE Science Classes

732 Science 7

7th grade science will be a year-long introduction to the concepts of biology or life science in a laboratory setting. Students will begin with concepts that are shared by all living things, such as cell structure and function, biochemical makeup, and inheritance. Students will then focus on the diversity of living things and the characteristics that allow scientists to classify organisms into different classification categories. Finally, we will discuss ecological relationships between living things as well as the relationship between living things and their environment and learn how they are all interdependent.

733 Accelerated Science 7

7th grade science will be a year-long introduction to the concepts of biology or life science in a laboratory setting. Students will begin with concepts that are shared by all living things, such as cell structure and function, biochemical makeup, and inheritance. Students will then focus on the diversity of living things and the characteristics that allow scientists to classify organisms into different classification categories. Study will include ecological relationships between living things as well as the relationship between living things and their environment and learn how they are all interdependent.

8th GRADE Science Classes

832 Science 8

This is an 8th grade basic science course. It includes topics on life science, earth science, and physical science. We will examine cells, heredity, maps, rocks, earthquakes, volcanoes, atoms, and chemical bonds. Requirements include completion of textbook assignments, occasional quizzes, model making, labs, writing assignments, and note-taking, including some drawing. This class will be more teacher-directed and assisted than the academic or accelerated levels. Homework constitutes a high percentage of the overall grade. In this class there will be more teacher guided worksheets and activities. Some homework assignments will be completed in class with teacher assistance.

833 Accelerated Science 8

This is an 8th grade accelerated science course. It includes topics on life science, earth science, and physical science. We will examine cells, heredity, maps, rocks, earthquakes, volcanoes, atoms, and chemical bonds. Requirements include completion of textbook assignments, occasional quizzes, model making, labs, writing assignments, and note-taking, including some drawing. This class will be required to do more projects and research along with more independent work. Homework constitutes a high percentage of the grade.

Jr. High Social Studies Courses

7th GRADE Social Studies Classes

742 World Geography 7

This course begins with the foundations of Geography. Students will study the five themes of geography to organize information about Earth and its people. Students will explore both the physical features and the cultural aspects of the world with particular emphasis on the continents of Europe, Africa, and Asia. Students will strengthen map skills, increase geographical knowledge, and evaluate relationships between people, places, and environment. Students will be expected to maintain an organized notebook and develop good work habits. Students will practice research skills of note-taking, organization of information, and proper documentation. Active educational activities in this course develop both visual presentation skills and verbal expression.

743 Accelerated World Geography 7

This course begins with the foundations of Geography. Students will study the five themes of geography to organize information about Earth and its people. Students will explore both the physical features and the cultural aspects of the world with particular emphasis on the continents of Europe, Africa, and Asia. Students will strengthen map skills, increase geographical knowledge, and evaluate relationships between people, places, and environment. Students will be expected to complete challenging reading and writing assignments and to conduct independent research. Students need to be organized and motivated for successful completion of this course. Students will practice research skills of note-taking, organization of information, and proper documentation. Active educational activities in this course develop both visual presentation skills and verbal expression. Students will be required to complete a variety of higher level research projects and assignments.

8th GRADE Social Studies Classes

842 American History 8

A history of the United States up to 1877 is a study of the historical development of the United States. This course will focus on the history of America from pre-colonial times up to the end of reconstruction after the Civil War. This course is intended to be a basic overview of the major historical events in American history. The purpose of this course is to give students an understanding of how major events in American history have shaped our society and government of today. This course will emphasize hands-on learning activities, citizenship, social, and life skills.

843 Accelerated American History 8

A history of the United States up to 1877 is a study of the historical development of the United States of America. This course will focus on the history of America from pre-colonial times up to the end of reconstruction after the Civil War. The purpose of this course is to have students achieve an understanding of the democratic ideals that have helped form the American Government. Students will see how events of the nation's past have influenced its current and future state. Students will be responsible for participating in a variety of higher level research projects and assignments. In these assignments, students will be responsible for achieving higher levels of comprehension and application of specific skills. This program will challenge students with essay tests, play writing and performing, outside source reading, and a research paper.

7th & 8th Grade Unified Block Classes

704/705 Physical Education 7

7th grade physical education focuses on the PE4Life philosophy which is to inspire active, healthy lifestyles in children and adolescents through health-related physical activities. The goal is to inspire students to become physically active for their entire life. Students will be given numerous opportunities to improve or maintain cardiovascular fitness. The variety of activities and sports that will be carried out during class will incorporate the five components of fitness: cardiovascular endurance, muscular strength, muscular endurance, flexibility, and body composition. By incorporating fitness technology such as heart rate monitors and pedometers, students will better understand the value and benefits of exercise. All of the components will be developed through a range of individual and cooperative activities as well as team sports.

706/707 Health 7

This course provides a study of teen involvement with substance abuse including discussion of alcohol, tobacco, drugs, and medicine. Discussions on choosing alternatives to drugs will take place. Students will be given information so that they can make choices to lead a substance-free life. Students will also learn about prescription and over-the-counter medicines, and how to use these safely. This course also provides an overview of the body systems, including the function of each system, how it relates to the other systems, and how drugs affect each system. The Personal Wellness *course focuses on teaching and supporting a lifestyle that includes regular physical activity and proper diet. It attempts to convert a student's thinking that exercise is competition to the belief that exercise is a non-competitive personal health issue. Improving the cardiovascular condition of oneself is the common goal of this course. Heart rate monitor technology is introduced to the students allowing them to see the effect that aerobic exercise has on their heart. Finally, the course examines the creative options available to develop a personal fitness plan.*

855 Language Exploration

Students receive an introduction to the French and Spanish languages and their cultures. Students learn common vocabulary and expressions such as greetings, foods, clothing, dates, time, etc. Classroom activities include listening, reading, speaking and writing skills in both French and Spanish. The quarter is divided evenly between the Spanish and French portions.

785 Art 7

The 7th grade art student will be exposed to a variety of artistic concepts, techniques, and art history. The student will gain an understanding of one point perspective by completing a drawing of a city street or the interior of a room; of color and line concept by creating a design using five different line types. Students will discuss and evaluate the artistic styles of Georgia O'Keefe, then create an abstract design by enlarging a flower, then coloring using oil pastel, and finally learn about 3-D design through the construction of a wooden sculpture.

787 Family Consumer Science 7

Seventh grade Family and Consumer Sciences will offer students opportunities to acquire and practice consumer skills as they relate to clothing and textiles. Students will combine the use of computer technology with sewing to create a project. In addition, students will be introduced to careers in the Family and Consumer Sciences that can be pursued further at the high school and post high school levels, FCS 7 will also cover basic knowledge and skills in the areas of careers in the food industry, food preparation, food safety, nutrition and wellness, and shopping for food. The classes are taught using a variety of materials and methods with an emphasis on a "hands on approach" whenever appropriate. Students are evaluated on their tests, homework, food labs, presentations, and daily assignments. The course is designed to be relevant to the students' present day life and to be a foundation for future high school foods classes.

967 Junior High Robotics

The objective of this course is to introduce students to the field of Robotics and stimulate their interests in science and engineering through the participation of the entire engineering design process. This course covers a variety of multidisciplinary topics necessary to understand the fundamentals of designing, building, and programming robots. This course is a transition from VEX IQ Challenges to VEX EDR competitions.

7th & 8th Grade Unified Block Classes

804/805 Physical Education 8

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885 Art 8

The eighth grade art program builds on the basic skills taught in seventh grade and expands upon their knowledge of color theory as well as a wider range of multicultural units. Students will be exposed to different cultures, as well as challenged to learn more about their own cultures.

886 Music 8

All eighth grade students are required to continue exploring elements and concepts of music. Topics in eighth grade music class revolve around the history and evolution of popular music styles.

850 STEAM and Industrial Arts 8

This is a half year course that explores topics in STEAM (Science, Technology, Engineering, Arts, and Math) as well as learning best practices for doing research and research writing. Topics include: Science Fair Projects, Writing in Code, the Design Engineering Process, Robotics, 3D Printing, and reading nonfiction for writing a research paper.

Also this course will provide instruction and information concerning hand tools, machines, and materials basic to broad area of Woodworking. Importance of safe work habits, planning, good design, problem solving, joinery, finishing, and procedures on production woodwork will be covered. Students are required to pass a safety test for all power tools and machines they will use.

885 Jr. High Chorus (Grades 7-8)

This elective course is designed for vocal students in grades 7 and 8. The daily activities in the classroom culminate in a public performance of the literature being studied. The majority of the time in the classroom will be spent preparing for a public performance, however, intermediate to advanced elements of voice, theory, history, and other music topics will be discussed.

886 Jr. High Symphonic Band (Grades 7-8)

The instrumental music program at Rocky Grove High School is a performance-oriented program. The membership for this ensemble is any student studying an instrument in grades 7 and 8. The daily activities in the classroom culminate in a public performance of the literature being studied. Public performances may take the form of school assemblies, parades, concerts, festivals, etc. Students will advance in skills involving reading and notating music, listening, analyzing, describing, and evaluating music.