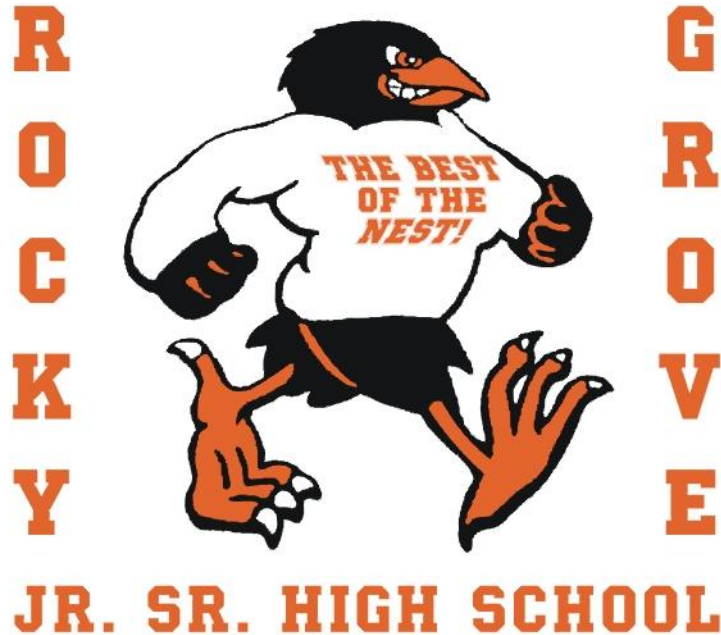


2011-2012
Educational Planning Guide



Valley Grove School District
Franklin, PA 16323
814-437-3759

CIVIL RIGHTS POLICY STATEMENT

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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.

Table of Contents

Introduction	2
Scheduling Guidelines	2
Graduation Requirements	2
Schedule Changes	4
Scheduling Considerations	4
Grade Promotion/Retention	5
Grading Policies	6
Sequencing for Core Courses	10
Senior High Section	12
Course Offerings	12
Course Descriptions	14
English	14
Social Studies	16
Science	20
Math	22
Physical Education	24
Foreign Language	25
*Venango Technology Center (Vo-Tech)	32
Business & Computers	26
Music	28
Art	29
Technology Education	30
Family Consumer Science	31
Additional Sr. High Courses	32
Example Schedules	37
Junior High Section	39
Scheduling Guidelines	39
Course Offerings	39
Course Descriptions	40
English	40
Social Studies	42
Science	44
Math	45
7 th Grade Block Classes	46
8 th Grade Block Classes	48
Additional Jr. High Courses	50
Example Schedules	51

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 to 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 studies 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 and considered 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 and allow as many alternatives as possible.
- III. **SCHEDULE REQUIREMENTS:** Regardless of the number of credits earned in previous years, each student must schedule a minimum of 35 class periods per week (plus physical education) in courses where high school credit is awarded.

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 High School students must have at least 6 classes each year.
- II. In addition to credits, all students must have completed successfully the following courses sometime during the grades 9-12: Algebra, Geometry, and Biology.
- 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 graduation project. The graduation project is in accordance with Pennsylvania Department of Education Chapter 4 Curriculum requirements, and satisfactory projects 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 PSSA Exams or Keystone Exams as defined by the Pennsylvania Department of Education.
- VI. Credits for graduation will be divided among subject areas in the following manner:

A. Accelerated Curriculum		25.0 total credits
1.	English	4.0 credits
2.	Social Studies	4.0 credits
3.	Mathematics	4.0 credits
4.	Science (with 2 Labs)	5.0 credits
5.	Health	0.5 credit
6.	Physical Education	2.0 credits (four courses)
7.	Foreign Language	2.0 credits
8.	Electives	3.0 credits
9.	Graduation project	0.5 credit

B. Academic 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)	4.5 credits
5.	Health	0.5 credit
6.	Physical Education	2.0 credits (four courses)
7.	Foreign Language	2.0 credits
8.	Electives	3.0 credits
9.	Graduation project	0.5 credit

C. Career Prep Curriculum		24.0 total credits
1.	English	4.0 credits
2.	Social Studies	4.0 credits
3.	Mathematics	4.0 credits
4.	Science	4.0 credits
5.	Health	0.5 credit
6.	Physical Education	2.0 credits (four courses)
7.	Electives	5.0 credits
8.	Graduation project	0.5 credit

D. Vocational-Technical Curriculum		26.0 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	0.5 credit
7.	Physical Education	2.0 credits (four courses)
8.	Electives	1.0 credit
9.	Graduation project	0.5 credit

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 the request if it represents a good reason.
- III. PLEASE NOTE: Schedules will not be changed on the first day of school.
- IV. **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.**
- V. If a course is dropped beyond the first five (5) school days, it requires the signature of the student, his/her parent(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.

Scheduling Considerations

- I. Please note that student's wishing to take accelerated classes must have a "B" or better in the previous year's classes as well as teacher recommendation.
- II. 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.
- III. Students who wish to prepare to meet entrance requirements to various colleges or technical schools should schedule the Accelerated, Academic, or Career Curriculums-see schedule example 1, 2, or 3.
- IV. 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).

- V. Students considering nursing as a career should schedule Algebra, Academic Chemistry, and Academic Biology.
- VI. 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.
- VII. **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.**
- VIII. Beginning with the 2011-2012 school year all 9th grade students will be required to take several nine-week block classes. The purpose of these classes is to give the students an opportunity to take classes in each subject area, which may allow them to take classes they previously would have missed out on. This opportunity will provide the students with a more well-rounded education.

Grade Promotion/Retention

I. 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 CREDIT ¹ required for that grade level, as indicated below.

A. Sophomore (10 th Grade)	5 credits ²
B. Junior (11 th Grade)	11 credits
C. Senior (12 th Grade)	17 credits

Notes:

⁽¹⁾ **These are minimum standards to be used as guidelines to judge a student’s progress in terms of earning credits. Students earning less than the minimum credits will not be assigned to the next grade classification.**

⁽²⁾ Sophomore credits must include at least 3 Core Subjects: English, Science, Math, and Social Studies.

II. Junior High Promotion/Retention Policy for determining Class Levels

In order for 7th and 8th grade students to be promoted to the next grade, they cannot fail more than one class.

Number of classes failed:

0-1.0	Move on to the next grade.
1.5-2.0	Summer school for one class
2.5-3.0	Summer school for two classes.
3.5 +	Repeat the Grade

Grading Policies

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

A – Excellent	93 - 100
B – Good	85 - 92
C – Average	77 - 84
D – Proficient	70 - 76
F – Failing	50 - 69
I - Incomplete	

Weighted Core Courses Required

	Quality Point Accelerated	Quality Point Academic	Quality Point General
English - 4	1.10	1.05	1.00
Math - 4	1.10	1.05	1.00
Science - 4	1.10	1.05	1.00
Social Studies - 4	1.10	1.05	1.00

All other courses/electives including Physical Education do not count toward calculating class rank.

Grade Point Average (GPA)

A student's GPA is calculated using the weighting listed above 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 ÷ number of required core courses taken.

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.

Accelerated Courses receive the following quality point values:

A = 93-100	- 4.4 quality points
B = 85-92	- 3.3 quality points
C = 77-84	- 2.2 quality points
D = 70-76	- 1.1 quality points
F = 0-69	- 0 quality points

English

126	Acc. English 7
131	Acc. English 8
122	Acc. English 9
123	Acc. English 10
124	Acc. English 11
121	AP English 12

Science

311	A.P. Biology
326	Acc. Science 7
331	Acc. Physical Science 8
333	Acc. Science 9
	<u>Math</u>
411	Calculus
407J	Acc. Math 8-Algebra I
420	Acc. Math 7

Social Studies

226	Acc. World Geography 7
232	Acc. American History 8
233	Acc. American Studies 9
234	Acc. World Studies 10
235	Acc. American Government
236	Acc. Economics/World Issues

Academic Courses receive the following quality point values:

A = 93-100	- 4.20 quality points
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B = 85-92 - 3.15 quality points
 C = 77-84 - 2.10 quality points
 D = 70-76 - 1.05 quality points
 F = 0-69 - 0 quality points

English

117 Acad. English 9
 118 Acad. English 10
 119 Acad. English 11
 120 Acad. English 12
 125 Acad. English 7
 130 Acad. English 8

Science

305 Acad. Biology
 307 Acad. Chemistry
 309 Acad. Physics
 315 Biology II (A&P and Forensic)
 325 Acad. Science 7
 330 Acad. Science 8
 332 Acad. Science 9
 308 Earth and Space Science

Math

407 Algebra I 9-12
 408 Algebra II
 409 Academic Geometry
 410 Pre-Calculus
 412 Statistics
 418 Acad. Math 8
 421 Acad. Math 7

Social Studies

225 Acad. World Geography 7
 230 Acad. History 8
 216 Acad. American Studies
 217 Acad. World Studies II
 218 Acad. American Govt.
 219 Acad. Econ/W. Issues

Foreign Language

501 French I
 502 French II
 503 French III
 504 French IV
 507 Spanish I
 508 Spanish II
 509 Spanish III
 510 Spanish IV

Career Preparation courses receive the following quality point values:

A = 93-100 - 4.0 quality points
 B = 85-92 - 3.0 quality points
 C = 77-84 - 2.0 quality points
 D = 70-76 - 1.0 quality points
 F = 0-69 - 0 quality points

English

101R English 7
 102R English 8
 103R English 9
 104R English 10
 105R English 11
 106R English 12

Science

301R Science 7
 302R Science 8
 334 Science 9
 304 Biology I
 306 General Science (Sr. High)

Math

406 Consumer Math
 407S Basic Algebra
 409S Fund of Geometry
 422 Integrated Math
 425 Operational Math 7
 417 Operational Math 8

Social Studies

All classes are Acad. level

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 period plus the final exam grade. A mid-term exam and a final exam are required for all mathematics, social studies, science, and English courses in grades nine through twelve. The recorded final exam grade will be determined by averaging the grade on the mid-term exam and the final exam.

Principal’s List

A student whose QPA for a particular marking period is 4.0 or better, and who has not earned any grade below a B in any course will be elected to the Principal’s List for that marking period.

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 C in any course, will be elected to the Honor Roll for that marking period.

Class Rank (numerically averaged)

Class Rank is calculated from a student’s weighted GPA, using core courses only. All other courses/electives including Physical Education do not count toward class rank.

Weighted Grade = Percentage Grade x Weight

Weighted GPA = total of weighted course grades ÷ number of required core courses taken.

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 committee of secondary faculty selection board appointed by the Principal reviews all applications and makes the final selection. To be eligible students must have achieved a 94.5% weighted grade point average or higher during the previous school term.

Academic Awards

GRADES 7 AND 8: Students who earn a weighted average of 94.5% or better in all major academic core subjects (English, History, Math, Science) after the third marking period will receive a certificate enclosed in a folder.

GRADES 9, 10, 11, and 12: Students who earn a weighted average of 94.5% or better after the third marking period in all major academic core subjects will receive...

First Year Award – Letter, with permission to purchase a jacket

Second Year Award -- Certificate (Framed) with Academic Pin

Third Year Award – Rocky Grove Jr. Sr. High School Polo Shirt and Academic Pin

Fourth Year Award -- \$100 U.S. Savings Bond, Plaque, 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). All awards will be presented in a ceremony at the end of the school year.

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 and occasional teacher comments. Parents should pay particular attention to any major fluctuations in grades.

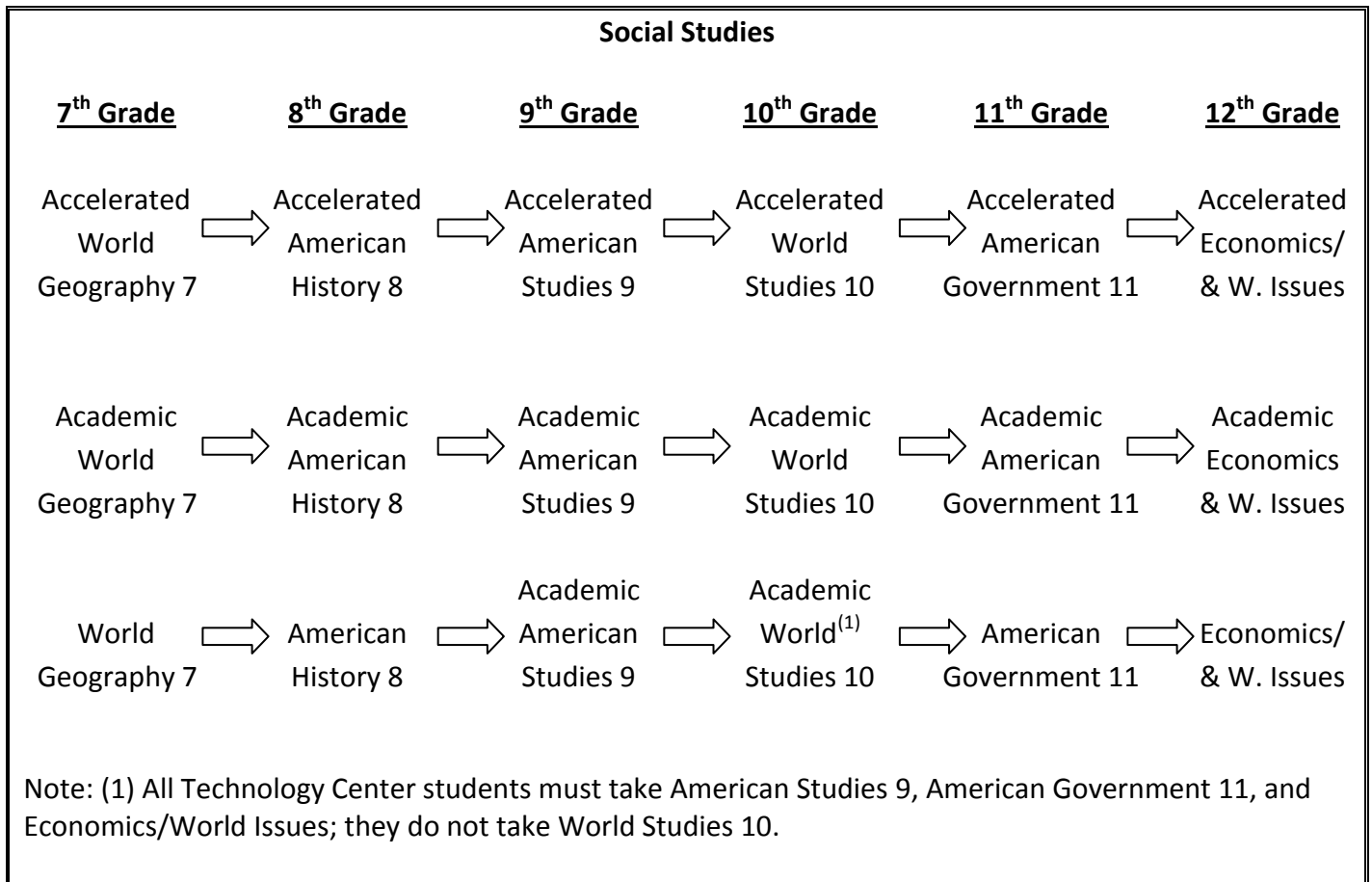
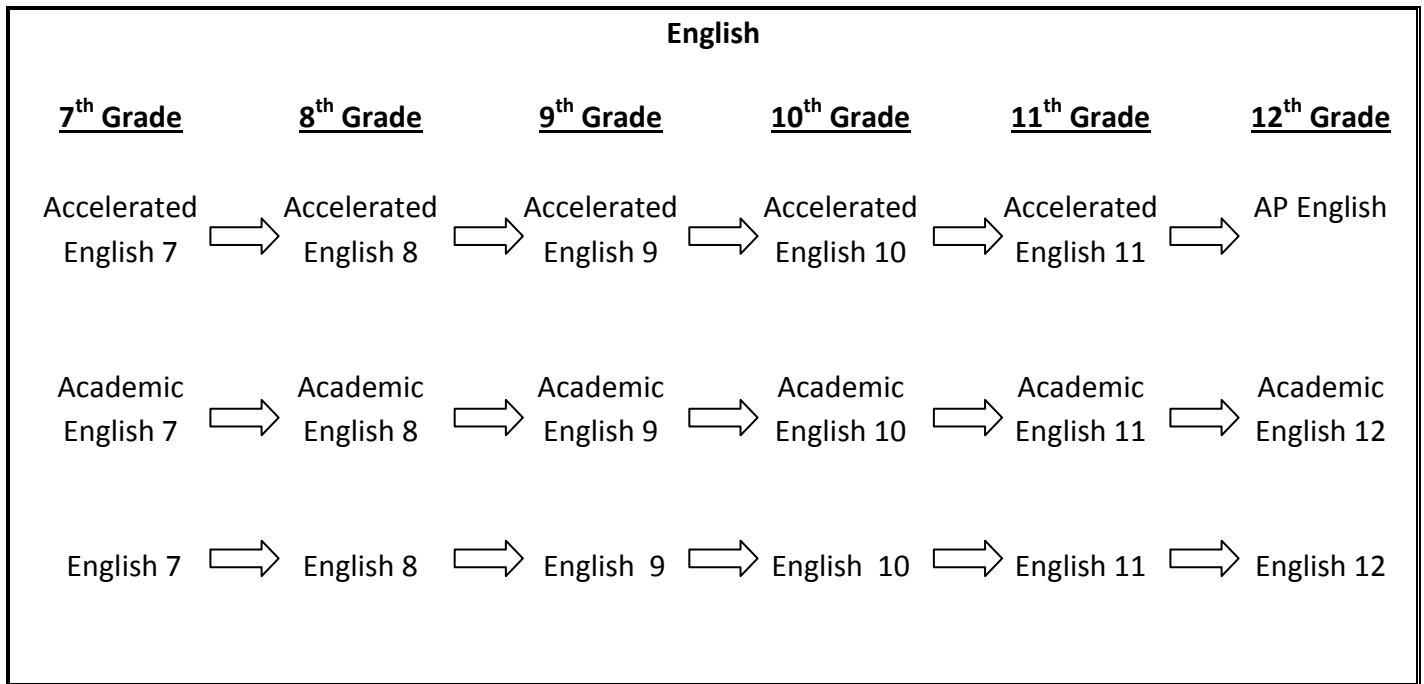
Summer School

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.

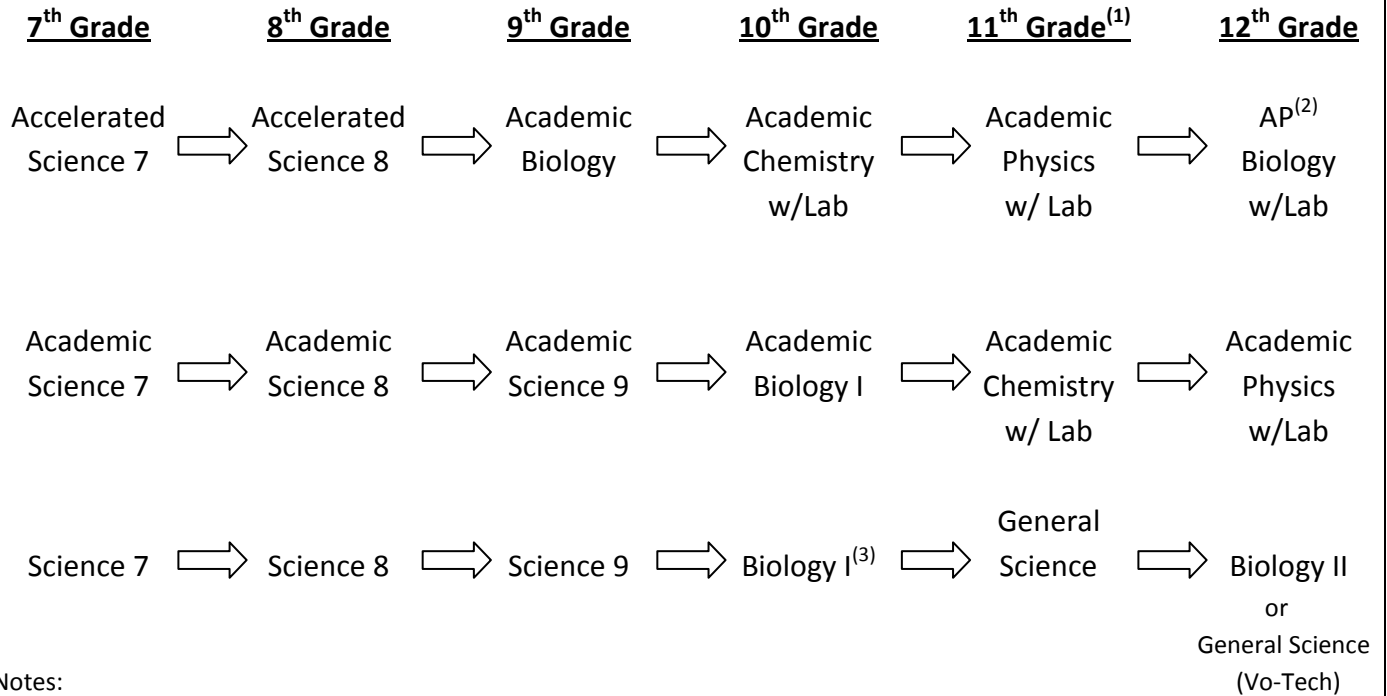
Summer School Grades

The ***average of the summer school grade and the final regular school course grade must be 70% or higher*** for the student to pass. Any subject passed by attending Summer School will be accepted for credit only and will be recorded as a passing grade.

Sequencing for Core Courses



Science



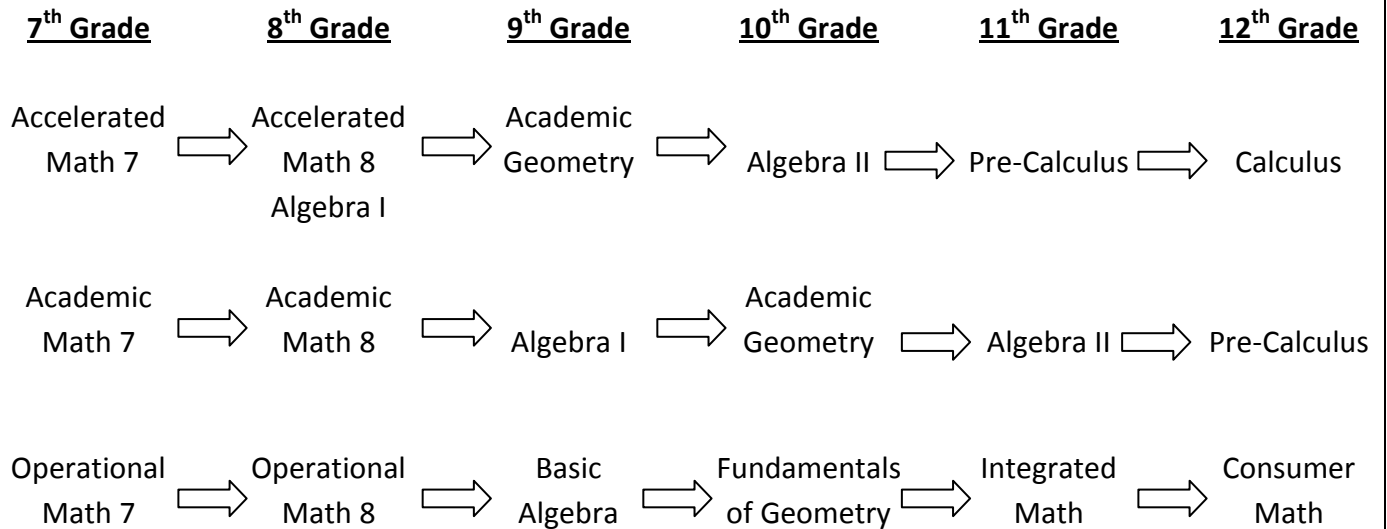
Notes:

(1) Earth & Space Science may replace any course after Biology I for earning graduation credits.

(2) Prerequisites for AP Biology are a "B" or better in Academic Biology I and Academic Chemistry, PLUS the completion of a summer project.

(3) Technology Center students must take Biology I & General Science.

Mathematics



SENIOR HIGH SECTION

Course Offerings

ENGLISH

103R English 9
104R English 10
105R English 11
106R English 12
117 Academic English 9
118 Academic English 10
119 Academic English 11
120 Academic English 12
121 Advanced Placement English 12
122 Accelerated English 9
123 Accelerated English 10
124 Accelerated English 11
126 Popular Literature (Sem.)
133 Communications 9 (9 wks)

SCIENCE

304 Biology I
305 Academic Biology I
306 General Science (Sr. High)
307 Academic Chemistry (Lab)
308 Earth and Space Science
309 Academic Physics (Lab)
311 A.P. Biology (Lab)
312 Biology II
312 B Anatomy & Physiology (Sem.)
322 Academic Science 9
334 Science 9

PHYSICAL EDUCATION

012 9th grade PE
013 Co-ed Sr. High PE
022 Health 9

FOREIGN LANGUAGE

501 French I
502 French II
503 French III

SOCIAL STUDIES

210 Psychology (Sem.)
211 Psychology II (Sem.)
212 Contemporary Social Issues (Sem.)
216 Academic American Studies 9
217 Academic World Studies 10
218 Academic American Government 11
219 Academic Economics and World Issues
233 Accelerated American Studies 9
234 Accelerated World Studies 10
235 Accelerated American Government 11
236 Accelerated Economics and World Issues
237 Current Events 9 (9 wks)

MATH

406 Consumer Math
407 Algebra I 9-12
407S Basic Algebra
408 Algebra II
409 Academic Geometry
409S Fundamentals of Geometry
410 Pre-Calculus
411 Calculus
412 Statistics
422 Integrated Math
428 Personal Finance 9 (9 wks)

ART

801 Art I
802 Art II
805 Advanced Art III
806 Advanced Art IV
810 Art 3D

TECHNOLOGY EDUCATION

820 Sr. High Woodworking I
821 Sr. High Woodworking II
830 Sr. High Metalworking

504 French IV
507 Spanish I
508 Spanish II
509 Spanish III
510 Spanish IV

BUSINESS & COMPUTERS

601 Intro. to Business/Business Law
602 Powerpoint/Excel(Sem.)
606 Intro. to Marketing (Sem.)
609 Advanced Computer Skills
610 Webpage Design (Sem.)
612 Desktop Publishing I (Sem.)
613 Desktop Publishing II (Sem.)
614 Photo Editing (Sem.)
615 Intro. to Computer Animation (Sem.)
616 Computers 9 (9 wks.)

MUSIC

702 Music Theory I (Sem.)
704 Music Theory II (Sem.)
705 Sr. High Concert Choir
708 Sr. High Band
709 Music Appreciation
710 Piano Class (Sem.)
711 Voice Class (Sem.)

ADDITIONAL SR. HIGH COURSES

114 Yearbook
030 Driver's Education

832 Intro. to Design & Drafting
833 Mechanical Design & Drafting
840 Sr. High Power Technology
841 Transportation Technology 9 (9 wks.)

FAMILY AND CONSUMER SCIENCE

853 Chef's Class
854 Wellness: Nutrition (Sem.)
856 Sewing for Fun (Sem.)
858 Survival Skills (Sem.)
860 Child Development
860B Child Development 9 (9 wks.)

VENANGO TECHNOLOGY CENTER COURSES

901 Auto Body Repair Technology
902 Automotive Technology
903 Building Construction Technology
904 Cosmetology
905 Computer Information Systems
906 Marketing Education
907 Computer Aided Drafting & Design
908 Electronics Technology
909 Natural Resources
910 Culinary Arts
911 Allied Health Occupations
912 Machine Tool Technology
913 Building and Property Maintenance Tech.
914 Welding Technology
915 Engineering Technology
916 Industrial Manufacturing Technology
917 Diversified Occupations

Course Descriptions

ENGLISH

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

103R English 9 (1 credit)

(5pds/wk-1yr)

This course is designed to help students develop a practical and effective use of spoken and written English. The basics, the parts of speech and sentences, are emphasized to enhance clearer communication skills. Students are presented a variety of literary genres, from short story to poetry to novel. Vocabulary and spelling skills are also developed. Students will gain an appreciation of the works of famous authors.

104R English 10 (1 credit)

(5pds/wk-1yr)

This course covers world literature, literacy elements, grammar, sentence and paragraph construction, explanatory, descriptive, and narrative compositions, public speaking skills, and vocabulary. Its content emphasizes communication skills needed for either a future career or further education.

105R English 11 (1 credit)

(5pds/wk-1yr)

This course is designed for students who are not college bound, but who will be making the transition from school to a work environment. Students will devote time and energy toward understanding the basic elements of grammar required in the business world. These basic elements will include subject and verb agreement, sentence versus sentence fragments, and writing letters of introduction, resumes, and thank you letters for job interviews and other follow-up procedures for their job search. The purpose of this course will be to help students present themselves in a favorable light to employers. Students will also practice writing paragraphs, a necessary skill in correspondence. As part of the literature requirement, students will read novels and will examine authors through worksheets to guide their reading, thinking and comprehension.

106R English 12 (1 credit)

(5pds/wk-1yr)

English 12 prepares seniors for using language in their lives after graduating from high school. In addition to emphasizing 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.

117 Academic English 9 (1 credit)

(5pds/wk-1yr)

The Academic 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.

118 Academic English 10 (1 credit)

(5pds/wk-1yr)

The Academic English 10 course focuses on the elements of fiction; students analyze character, setting, plot, themes, point of view, conflict, and style. Students study paragraph development, as well as the essay format and research skills. In addition, students read and respond to a variety of poems, analyze the techniques, and write original poetry. The study of Shakespeare's *Julius Caesar* provides reinforcement of the tragic form.

119 Academic English 11 (1 credit)

(5pds/wk-1yr)

Academic 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 nonfictional 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 senior project must be completed.

120 Academic English 12 (1 credit)

(5pds/wk-1yr)

Academic English 12 prepares seniors for the communication tasks that will face them in their post-secondary educations. Students will concentrate on reinforcing grammar, composition, speaking, and vocabulary skills. In addition, Academic English 12 includes a study of world literature, examining its diversity, as well as many common themes and motifs.

121 Advanced Placement English 12 (1 credit)

(5pds/wk-1yr)

Pre-requisite: A "B" or better in the previous year's class or teacher recommendation.

AP English 12 is a college level course that emphasizes the development of skills in critical reading of imaginative and discursive literature and in writing about literature and literature related ideas. To prepare for entry into AP English 12, students receive a required reading list at the beginning of their second junior semester and read these listed works prior to the beginning of their first senior semester. AP English 12 is designed to prepare students not only for their work in college but also to meet the challenges of the AP Exam they may take in the spring of their senior term. It requires students to be prepared to devote the energy and time appropriate for an "advanced placement" class and willing to use all their past educational opportunities as resources for their present work.

122 Accelerated English 9 (1 credit)

(5pds/wk-1yr)

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.

123 Accelerated English 10 (1 credit)

(5pds/wk-1yr)

Pre-requisite: A “B” or better in the previous year’s class or teacher recommendation.

The Accelerated English 10 course concentrates on thematic responses to works of literature. It provides a broader understanding of the analysis of artistic works and aids them in effectively utilizing grammar, composition, research, and public speaking skills. Short stories, essays, novels, and dramas are read and analyzed; students express themselves through thematic writing assignments. The study of Shakespeare's *Julius Caesar* provides reinforcement of the tragic form.

124 Accelerated English 11 (1 credit)

(5pds/wk-1yr)

Pre-requisite: A “B” or better in the previous year’s class or teacher recommendation.

Accelerated English 11 is an advanced class designed for the highly motivated college-prep student. Chronologically following the development of American literature through its many genres, students gain both a historical and cultural appreciation of the American experience through literature. In their composition work, students learn the essential research writing skills and essay formats that will be expanded in AP English 12. Additionally, cooperative learning, oral presentations, vocabulary work, and a study of the mechanics of English language begin to prepare these students for the post-secondary educational experience. A research paper that is associated with their senior project must be completed.

126 Popular Literature (0.5 credit)

(5pds/wk-sem)

Students select and explore various texts across several genres through reading, documenting (e.g. journaling, annotating, and the like), and discussing materials. Each student will choose texts from such genres as fiction, nonfiction, poetry, and drama to read and examine with attention to aesthetics of creativity as a means to foster interest and active close reading practices. This class is open to students in grades 10-12. This is an elective class.

133 Communications 9 (0.25 credit)

(5pds/wk-9wks)

Communications incorporates the research and presentation of a student-selected/ instructor- guided education and career-oriented topic. During the nine week period, research strategies and techniques will be employed, such as outlining, MLA formatting, and nuances of formal presentation. Further, classes will work closely with the librarian to compile research, locate and/or create visual aids, and refine presentation in order to aid fulfillment of graduation research project requirements.

SOCIAL STUDIES

210 Psychology I (0.5 credit)

(5pds/wk-sem)

This course is an introduction to the scientific study of human behavior. In addition to the biological bases of behavior, research, learning, sensation and perception, thinking and language, memory, and consciousness are presented. 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 an elective course.

211 Psychology II (0.5 credit)

(5pds/wk-sem)

Pre-requisite: Students must be in grades 11 or 12 and have taken Psychology I.

This course is a continuation into the scientific study of human behavior. We 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. This is an elective course.

212 Contemporary Social Issues and Multimedia Design (0.5 credit)

(5pds/wk-sem)

This course is designed to teach students how to use technology to explore contemporary social issues and to organize and present it in using multimedia authoring software which integrates text, color, graphics, digital photos, animation, audio and video. Issues explored may include human rights, national security, censorship, technology and ethics, drug and alcohol abuse, etc. Students will learn to locate, organize and analyze social issues. In creating interactive multi-media presentations, students will learn to work collaboratively to make decisions and solve design and content problems. This course is open to students in grades 10-12. This is an elective course.

216 Academic American Studies 9 (1 credit)

(5pds/wk-1yr)

This course focuses on the history of the United States from 1877 to the present. Its major premise is that a study of the nation's past will give the 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. Westward expansion, the industrial age, immigration policies, development of world leadership, two World Wars, the Cold War and the social, economic, and political issues of the 1960's, '70's, '80's, and '90's are studied. Current American issues are discussed and examined in a historical perspective. This course is designed for students who will continue their education beyond the high school level. Students will improve reading comprehension, verbal reasoning, and problem-solving skills. Students will be expected to demonstrate good working habits and conduct a variety of higher level research projects and assignments on various American issues.

217 Academic World Studies 10 (1 credit)

(5pds/wk-1yr)

In this course, students will study the culture and history of world civilizations from pre-historic times to the present. This course will focus on the chronological development of civilization beginning with a study of pre-historic 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.

218 Academic American Government 11 (1credit)

(5pds/wk-1yr)

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 outside readings and assignments that reach beyond the traditional textbook. The student will also engage in meaningful research using hard copy and electronic sources. In addition, students will debate, evaluate a controversial issue, study current events, and participate in class discussions. This course is designed for students who will continue their education beyond the high school level.

219 Academic Economics and World Issues (1 credit)

(5pds/wk-sem)

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/presentation, 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.

233 Accelerated American Studies 9 (1 credit)

(5pds/wk-1yr)

Pre-requisite: A "B" or better in the previous year's class or teacher recommendation.

This course focuses on the history of the United States from 1877 to the present. Its major premise is that a study of the nation's past will give the 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. Westward expansion, the industrial age, immigration policies, development of world leadership, two World Wars, the Cold War and the social, economic, and political issues of the 1960's, '70's, '80's, and '90's are studied. Current American issues are discussed and examined in a historical perspective. This course is 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 and political, social and economic issues.

234 Accelerated World Studies 10 (1 credit)

(5pds/wk-1yr)

Pre-requisite: A "B" or better in the previous year's class or teacher recommendation.

In this course, students will study the culture and history of world civilizations from pre-historic times to the present. This course will focus on the chronological development of civilization beginning with a study of pre-historic 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.

235 Accelerated American Government 11 (1 credit)

(5pds/wk-1yr)

Pre-requisite: A “B” or better in the previous year’s class or teacher recommendation.

This course is designed to accommodate exceptional college or university bound students who wish to pursue an understanding of American Government that reaches well beyond the traditional textbook. This course will focus on an array of political theories and theorists, research methodology and design, and the nature and history of the American political system. To accomplish this end, students will engage themselves in the following activities: a research assignment, the analysis of two to three books, journal writing, semi-formal debate, the design, implementation and interpretation of an opinion poll, the presentation of a persuasive speech, the design of a political cartoon, the study of current event topics, the participation in seminars using higher order thinking skills and the evaluation of other outside readings germane to the course. Participation in class, as well as the ability and willingness to read and discuss complex material are fundamental and critical components of this course.

236 Accelerated Economics and World Issues (1 credit)

(5pds/wk-1yr)

Pre-requisite: A “B” or better in the previous year’s class or teacher recommendation.

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.

237 Current Events 9 (0.25 credit)

(5pds/wk-9wks)

Students will study and summarize current events using various media. Students will understand why and how current events affect them. Students will have the opportunity to learn civic responsibility in current events and expand their vocabulary.

SCIENCE

304 Biology I (1 credit)

(5pds/wk-1yr)

This course will explore living things. Many aspects of life will be investigated. Through research, microscopes, computers, and other scientific tools, the students will become aware of what defines a living thing. We will also study the processes necessary to maintain life and discuss some of the many examples of the organisms that play a role in the everyday life of the student. This course is designed for the student who does not plan to attend college or the student planning to pursue a non-scientific career.

305 Academic Biology I (1 credit)

(5pds/wk-1yr)

Academic Biology is an in-depth study of living things. This course is designed for the student who plans to attend college or might wish to explore a career in a scientific field. It is also for those students who plan to take Physics and/or AP Biology. We will discuss differences between living and non-living things, classification and variation of living things, and how traits are passed through generations. We will discuss matter, and determine how living and non-living things can be made of the same elements. We will discuss the importance of the cell, and understand why it is called the basic unit of life. We will seek to understand the major processes that occur within living things. Students will be required to keep a notebook, complete projects, perform individual research, and make class presentations.

306 General Science-Senior High (1 credit)

(5pds/wk-1yr)

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.

307 Academic Chemistry with Lab (1.5 credits)

(7pds/wk-1yr)

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.

308 Earth and Space Science (1 credit)

(5pds/wk-1yr)

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.

309 Academic Physics with Lab (1.5 credits)

(7pds/wk-1yr)

Prerequisite: A "C" or better in Academic Chemistry or teacher recommendation.

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.

311 Advanced Placement Biology with Lab (1.5 credits)

(7pds/wk-1yr)

Prerequisite: A "B" or better in both Academic Biology and Academic Chemistry, *PLUS* completion of a summer project.

This course is open to seniors* who are interested in a college-level course of biology. The class explores the complexity and precise functioning of living things from the molecular and cellular levels to their place in the ecosphere. The genetic, evolutionary, and ecological relationships of living things are emphasized. The course will prepare students to take the AP Biology Exam**in May in order to earn college credit. This course is strongly recommended for those students who plan on attending college to pursue a degree in the area of science.

*Juniors who do not meet one of the pre-requisites MAY be enrolled in the course with a strong letter of recommendation from their current science teacher. The final decision as to special enrollment is at the discretion of the administrator and instructor.

**Enrollment in Anatomy & Physiology is also recommended if planning to take the AP Biology Exam.

312 Anatomy and Physiology (0.5 credit)

(5pds/wk-sem)

Prerequisite: Enrollment in AP Biology

In this course we will study the structure and function of human body systems. The class covers the core material that is most important for introductory anatomy and physiology students, including the vocabulary used to describe the structures and functions that are being studied.

315 Biology II (1 credit)

(5pds/wk-1yr)

Prerequisite: Biology I and Chemistry

Biology II is a senior year biology class that is a combination of two fields of study: Anatomy and Forensics. As you learn the anatomy and physiology of the human body systems, you will learn how aspects of each are used in forensic studies to solve biological mysteries such as crimes and the histories of early humans. For example, after the chapter on the integumentary system (skin, hair, and nails) you will learn how fingerprinting and hair analysis are done to identify or place a suspect at a crime scene.

332 Academic Science 9 (1 credit)**(5pds/wk-1yr)**

This is a 9th grade academic integrated science course. It includes topics on life science, earth science, and physical science. We will learn about sound and light waves, electricity, oceans, astronomy, the human body, and health. The course will require completion of textbook assignments, occasional quizzes, model making, labs, writing assignments, and note taking including some drawing. Homework constitutes a significant percentage of the overall grade. The academic class will be expected to do more independent work than the basic class. There will be some small projects required which involve some research. Homework constitutes a significant percentage of the overall grade.

334 Science 9 (1 credit)**(5pds/wk-1yr)**

This is a 9th grade basis integrated science course. It includes topics on life science, earth science, and physical science. We will learn about sound and light waves, electricity, oceans, astronomy, the human body, and health. The course will require completion of textbook assignments, occasional quizzes, model-making, labs, writing assignments, and note taking including some drawing. Participation and homework constitutes a significant percentage of the overall grade. The basic class will be teacher-guided and some assignments will be completed in class with the teacher's assistance.

MATH**406 Consumer Math (1 credit)****(5pds/wk-1yr)**

Prerequisite: Grade 12 and Geometry (any level)

This course is for students who are seniors and designed to provide a working knowledge of mathematics for their living requirements. Topics include money management, paying taxes, home purchases, car purchases, and paying bills. The purpose of the course is for students to understand the fiscal responsibilities of everyday life.

407 Algebra I (1 credit)**(5pds/wk-1yr)**

Prerequisite: Pre-Algebra or Teacher Recommendation.

This course is designed to include the Pennsylvania State Standards and PSSA Assessment Anchors in Mathematics for the appropriate grade level. The course is an extension of Pre-Algebra by being a more in-depth study of the properties of Real Numbers. Algebra techniques are used to explore topics such as numbers, variables, order of operations, patterns, tables, graphs, relationships, slope, data analysis, proportions, equations, inequalities, inverse operations, linear equations, probability, problem solving, etc. The purpose of this course is to prepare students for Geometry.

407S Basic Algebra 9 (1 credit)**(5pds/wk-1yr)**

Prerequisite: No Prerequisite Required.

This course is designed to include the Pennsylvania State Standards and PSSA Assessment Anchors in Mathematics for the appropriate grade level. The course is a study of the properties of Real Numbers. Algebra Techniques are used to explore topics such as numbers, variables, order of operations, patterns, tables, graphs, relationships, slope, data analysis, proportions, equations, inequalities, inverse operations,

linear equations, probability, and problem solving while introducing Algebra concepts at a slower pace. The course is structured for students who would normally have difficulty with Algebra I.

408 Algebra II (1 credit)

(5pds/wk-1yr)

Prerequisite: Grade of “C” or better in Academic Geometry or Teacher Recommendation.

This course is for students with above average math skills and is designed to include the Pennsylvania State Standards and PSSA Assessment Anchors for appropriate grade level. 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.

409 Academic Geometry (1 credit)

(5pds/wk-1yr)

Prerequisite: Grade of “C” or better in Algebra I or Teacher Recommendation.

This course is for students with above average math skills and includes the Pennsylvania State Standards and PSSA Assessment Anchors in Mathematics for the appropriate grade level. 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.

409S Fundamentals of Geometry (1 credit)

(5pds/wk-1yr)

Prerequisite: Basic Algebra or Algebra I

This course is designed to include the Pennsylvania State Standards and PSSA Assessment Anchors in Mathematics for the appropriate grade level. The course is based on 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.

410 Pre-Calculus (1 credit)

(5pds/wk-1yr)

Prerequisite: Grade of “C” or better in Algebra II or Teacher Recommendation.

This course 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). The purpose of this course is to prepare students for college level Calculus.

411 Calculus (1 credit)

(5pds/wk-1yr)

Prerequisite: Grade of “B” or better in Algebra I through Pre-Calculus or Departmental Approval.

This course 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 student for college level mathematics.

412 Statistics (1 credit)**(5pds/wk-1yr)**

Pre-requisite: Algebra II (Grade 11 or 12)

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 student's use logical reasoning to validate statistical findings.

422 Integrated Math (1 credit)**(5pds/wk-1yr)**

Prerequisite: Geometry (Any level)

This course is designed to include the Pennsylvania State Standards and PSSA Assessment Anchors in Mathematics for the appropriate grade level. The course is based on practical applications of concepts related to Numbers and Operations, Measurement, Geometry, Algebra, Data Analysis, and Probability. The purpose of this course is to provide reinforcement in all the concepts that apply to PSSA.

428 Personal Finance 9 (0.25 credit)**(5pds/wk-9wks)**

This course is designed for students to continue their exploration in career education as they explore the value of a dollar while learning the basic technique of developing a personal budget. Students will investigate career fields, earnings, benefits, savings, spending, and investing as they continue the development of a Financial Planning Portfolio.

PHYSICAL EDUCATION**013 Sr. High Physical Education (0.5 credit)****(5pds/wk-sem)**

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. Our 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.

012 9th Grade Physical Education (0.5 credit)**(5pds/wk-9wks)**

9th grade physical education focuses on the *PE4Life* philosophy which is to inspire activity, healthy lifestyles in children and adolescents through health-related physical activities. Our 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. In 9th grade, PE will focus more closely on expanding students' knowledge and skills that they learned during 8th grade physical education as well as the development of individual sports, fitness, and physical activity skills.

022 Health 9 (0.5 credit)

(5pds/wk-9wks)

9th grade health is composed of Adult and Pediatric cardiopulmonary resuscitation, first aid and emergencies, safety, environmental health, managing stress, and maintaining wellness through nutrition. The CPR portion of the course follows the American Heart Association's Heartsaver CPR in the school curriculum. Training includes CPR, rescue breathing, obstructed airway management and Automated Early Defibrillation. The course will also address how to control severe bleeding, treatment for shock and diabetic emergencies, as well as many other emergencies and scenarios. The health care system and health care professions will be discussed. Students will learn keys to choosing a health care provider, health insurance, and insurance issues as they relate to medical costs.

FOREIGN LANGUAGE

501 French I (1 credit)

(5pds/wk-1yr)

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.

502 French II (1 credit)

(5pds/wk-1yr)

Prerequisite: Grade of "C" or higher in French I.

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.

503 French III (1 credit)

(5pds/wk-1yr)

Prerequisite: Grade of "C" or higher in French II.

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, participating in language competitions, and the tutoring of first and second year French students.

504 French IV (1credit)

(5pds/wk-1yr)

Prerequisite: Grade of "C" or higher in French III.

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. Student created inquiry projects, participation in language competitions, and the tutoring of first, second, and third year French students will facilitate learning.

507 Spanish I (1 credit)**(5pds/wk-1yr)**

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.

508 Spanish II (1 credit)**(5pds/wk-1yr)**

Prerequisite: Grade of "C" or higher in Spanish I.

The 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.

509 Spanish III (1 credit)**(5pds/wk-1yr)**

Prerequisite: Grade of "C" or higher in Spanish II.

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.

510 Spanish IV (1 credit)**(5pds/wk-1yr)**

Prerequisite: Grade of "C" or higher in Spanish III.

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.

BUSINESS & COMPUTERS**601 Introduction to Business/Business Law (1 credit)****(5pds/wk-1yr)**

Prerequisite: Grade of "C" or better in English or teacher recommendation.

This course is a background or exploratory course for students interested in the field of business education. It includes the study of such topics as: International Business, business organizations, consumer buying, practical money management (budgeting), and living and working in our economy. This course covers such topics as: contracts (almost all business law involves rules which govern contracts); understanding the law, and all court systems (civil and criminal court). The students will be better prepared to deal with the legal problems and legal terminology involved in the business world.

602 PowerPoint/Excel (0.5 credit)**(5pds/wk-sem)**

This course is a must for students going on to post-secondary education. Students will further develop their skills in PowerPoint presentations software (necessary when giving speeches) and in Excel (charting information and preparing spreadsheets). Students will develop slide presentations in PowerPoint to accompany their classroom speeches. Along with classroom presentations, they will develop spreadsheets and charts to calculate their data and present it in a chart format. Students will be encouraged to bring in their other course work to supplement classroom instruction.

608 Introduction to Marketing (0.5 credit)**(5pds/wk-sem)**

Prerequisite: At least a "C" average in English or teacher recommendation.

This course will introduce students to the skills, strategies and topics that make up the ever-changing world of marketing. The latest marketing trends, ethical marketing practices, multicultural perspectives, and alternative assessment strategies will be covered.

609 Advanced Computer Skills (1 credit)

(5pds/wk-1yr)

This course will be an advanced study of Microsoft Word. Students will learn to work with graphics and the advanced features of Microsoft Word. They will use these skills to produce a newsletter, flyers, brochures, and student business cards. The course will also introduce the use of Microsoft Access.

610 Webpage Design (0.5 credit)

(5pds/wk-sem)

Prerequisite: Introduction to Computers

This course is designed for students in grades 9 through 12 who would like to learn how to develop and create exciting web pages.

612 Desktop Publishing I (0.5 credit)

(5pds/wk-sem)

Learn and use Desktop Publishing to create your own magazine cover, newsletters, sports programs, and posters. Help your club or organization by learning how to print tickets, menus, playbills, and pamphlets.

613 Desktop Publishing II (0.5 credit)

(5pds/wk-sem)

Prerequisite: A passing grade of "C" or better in Desktop Publishing I.

Desktop Publishing II is strictly a computer production course. This course is designed for producing school programs. Students will also produce promotional brochures, pamphlets, newsletters, and photo calendars using Microsoft Publisher. This course is intended for the creative student and will be project oriented. You will create a portfolio of your published work.

614 Photo Editing Software (0.5 credit)

(5pds/wk-sem)

In this course, students will learn how to perform many different image processing techniques. They will learn how to use tools for selecting parts of images, and will move, duplicate and resize images. Students will also learn to use layers, layer effects, filters, painting and blending, and color modification. Additionally Students will be able to create images of different formats for different applications.

615 Introduction to Computer Animation (0.5 credit)

(5pds/wk-sem)

In this course, students will learn the basic principles of computer generated animation. This course will also introduce techniques for computer animation such as keyframing, procedural methods, motion capture, and simulation. The course also includes an overview of story-boarding, scene composition, lighting, and sound track generation.

616 Computing Technology 9 (0.25 credit)

(5pds/wk-9wks)

This course will be a continuation of the basic fundamentals of the Microsoft Office package, which includes Word, Keyboarding, Excel, and Powerpoint covered in 7th grade. At the beginning of the quarter, this class will also cover Cell Phone & Internet Safety.

MUSIC

702 Music Theory I (0.5 credit)

(5pds/wk-sem)

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.

704 Music Theory II (0.5 credit)

(5pds/wk-sem)

Prerequisite: Music Theory I

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 Theory I and expand to higher levels including principles of voice leading, harmonic progression, triads, cadences, phrases, seventh chords, and chromaticism.

705 Sr. High Concert Choir (1 credit)

(5pds/wk-1yr)

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 has 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.

708 Sr. High Concert Band (1 credit)

(5pds/wk-1yr)

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 wind literature 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.

709 Music Appreciation (0.5 credit)

(5pds/wk-sem)

According to Webster's Dictionary, Appreciation in regard to the arts has to do with a sensitive awareness. In Music Appreciation, all students will be educated in the basic fundamentals of music and how to be aware of them in the music of today's (and yesterday's) world. 9-12 students do not need to have a musical background in order to succeed in class, but all students must have a general interest in the topic and a desire to learn.

710 Class Piano (0.5 credit)

(5pds/wk-sem)

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.

711 Voice Class (0.5 credit)**(5pds/wk-sem)**

This class is designed for any student interested in studying proper individual singing. Vocal principles to be taught include application of proper breathing, phrasing, and general attributes of voice production.

ART**801 Art I (1 credit)****(5pds/wk-1yr)**

This course is designed to acquaint the art student with the fundamentals of fine art. The student will gain an understanding of the elements and principles of design through completion of various projects and the study of art history and criticism. Basic drawing skills and techniques will be emphasized through projects such as the drawing of the school hallway in one point perspective, still life in color pencil, portrait drawing, and contour figure drawing. Other targeted concepts include, but are not limited to, positive/negative design, 3-D sculpture, mixture, value and color relationships, texture, pen and ink techniques and drawing, printmaking, pastels, watercolor, and acrylic painting.

802 Art II (1 credit)**(5pds/wk-1yr)**

In this course, the Art II student will continue to build on the element and principles of design learned in Art I. The student will be exposed to a greater number of artistic styles through in-depth art history lessons on the masters and contemporary artists. The student will be able to experience new artistic concepts while applying previous learned techniques. Through a variety of teacher directed projects the student will have the opportunity to explore his/her own style and demonstrate his individuality. A few examples of planned projects are: two and three point perspective, oil painting, sculpture, ceramics, silk screening, and pen and ink.

805 Advanced Art III (1 credit)**(5pds/wk-1yr)**

Advanced Art III students will be continuing to add to their knowledge and experience base as well as mastering new skills and techniques. This course offers the opportunity to work on projects independently, applying learned theories of artistic methods to assignments. Through these self-directed projects the student will implement his/her developing artistic style that is unique to him. The student will have access to a variety of materials and equipment to create the assigned projects. Projects will include, but are not limited to; hand built ceramics and throwing on the wheel, poster/business design, monochromatic acrylic painting, oil painting, detailed pencil drawing, interior design, and Masters reproduction.

806 Advanced Art IV (1 credit)**(5pds/wk-1yr)**

The Advanced Art IV student will work independently on each project having the opportunity to give his or her input on the content of the assignment. The student will have the freedom to experiment with a variety of artistic styles while defining his own. The student will also be required to critique his art projects as well as critiquing other students' artwork in a constructive manner. Some examples of possible projects would include: illustrations, ceramic sculpture, photography, silk screening, printmaking, bookbinding, oil, acrylic and watercolor painting, and extensive art history study.

810 Art 3-D (0.5 credit)**(5pds/wk-sem)**

This class is designed to expose the student to various artistic techniques, construction, art history, and criticism in a three dimensional environment. The students will be able to understand the various methods of development in the following categories: fiber arts, metal work and jewelry, printmaking, ceramic, and paper crafts. The student will experience the media through hands-on projects such as, but not limited to; paper mache piñatas, mosaics, linoleum and wood block printing, silk screening, ceramics and clay sculpture, basket weaving, etc.

TECHNOLOGY EDUCATION**820 Sr. High Woodworking I (1 credit)****(5pds/wk-1yr)**

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 9-12 grade students. Students will work on required and independent projects.

821 Sr. High Woodworking II (1 credit)**(5pds/wk-1yr)**

Advanced Woodworking is a continuation of Woodworking I. Students will experience custom woodworking and will be challenged with more difficult projects that will enhance their skills and knowledge of woodworking. Students will be exposed to quality wood joinery and skills needed to produce fine quality furniture. This is a student-centered learning experience, so interested students should be highly motivated and possess strong work ethic. Students wishing to take Advanced Woodworking must take Woodworking I before taking this course.

830 Sr. High Metalworking (1 credit)**(5pds/wk-1yr)**

This metal working course will allow the student to have first-hand knowledge of all of the main metal industry practices. Students will be given a background in design/planning, construction/production and use of materials and fastening systems. 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 9-12 grade students. Students will work on required and independent projects.

832 Introduction to Design & Drafting (1 credit)**(5pds/wk-1yr)**

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 9-12 grade students. This course is strongly suggested for students planning to attend an engineering or architectural college.

833 Mechanical Design & Drafting (1 credit)**(5pds/wk-1yr)**

Prerequisite: Introduction to Design & Drafting

This course is the second phase of learning about our technical drawing world. More emphasis will be placed on computer generated drawing and 3-dimensional effect. This course is offered to students who successfully complete the Intro to Design and Drafting course 832. This course is strongly suggested for students planning to attend an engineering college.

840 Sr. High Power Technology (1 credit)

(5pds/wk-1yr)

This course will allow students to explore all aspects of power sources, vehicle design and transportation. Students will learn about the development of power, the principle operation of power sources, basic maintenance of power sources, measurement of power, and common uses of power. Students will use tools and testing equipment to gain hands-on knowledge about power equipment and vehicles. Students will also design, build, and test various experimental powered vehicles. This course is offered to all 9-12 grade students.

841 Transportation Technology 9 (0.25 credit)

(5pds/wk-9wks)

Students in this course will study the area of transportation technology. Concepts to study will include lab safety, machine and tools usage and safety, aerodynamics, Newton's laws of motion, inertia, momentum, friction, thrust, drag, and engineering design. Students will design, build, test, and analyze model transportation devices.

FAMILY AND CONSUMER SCIENCES

853 Chef's Class (1 credit)

(5pds/wk-1yr)

This class will be an entire year of cooking! We will discuss everything from kitchen basics to learning 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.

856 Sewing for Fun (0.5 credit)

(5pds/wk-sem)

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.**

858 Survival Skills (0.5 credit)

(5pds/wk-sem)

Students will learn about ATM's, checking accounts, savings accounts, loans and insurance. Some time will be spent on time and money saving cooking. Laundry will be covered along with some basic sewing.

860 Child Development (1.0 credit)

(5pds/wk-1yr)

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.

860B Child Development 9 (0.25 credit)**(5pds/wk-9wks)**

9th Grade students will learn the basics of how infant's and toddlers develop. They will also learn appropriate ways to handle discipline issues. All ninth 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 begin feed, diaper changes, and even burping. The baby gives the teacher a grade on how well the student is able to take care of the infant.

ADDITIONAL SR. HIGH COURSES**114 Yearbook (1 credit)****(5pds/wk-1yr)**

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.

030 Driver's Education (0.25 credit)**(5pds/wk-9wks)**

Driver's Education is designed to help develop the skills, habits, and attitudes that are necessary for safe driving. Topics include basic vehicle control, rules of the road, time-space management, natural laws, vehicle maintenance, physical and mental impairments, alcohol and drugs, insurance.

VENANGO TECHNOLOGY CENTER

The Venango Technology Center offers the following areas of instruction:

Career & Technical Education Courses:

- 901 Auto Body Repair Technology
- 902 Automotive Technology
- 903 Building Construction Technology
- 904 Cosmetology
- 905 Computer Information Systems
- 906 Marketing Education
- 907 Computer Aided Drafting & Design
- 908 Electronics Technology
- 909 Natural Resources/Forestry & Landscaping
- 910 Culinary Arts
- 911 Allied Health Occupations
- 912 Machinist Tool Technology
- 913 Building & Property Maintenance Technology
- 914 Welding Technology
- 915 Engineering Technology
- 916 Industrial Manufacturing Technology
- 917 Diversified Occupations

Student interest, the willingness to profit from instruction, and the ability to follow specific rules as outlined in the student guide are the only entrance criteria used by the technology center. The actual

enrollment of students is completed through the guidance department of the sending school. Attitude, attendance, and discipline records are all considered very highly in the selection process.

While attending the technology center, the student will be expected to be a responsible individual who is developing a skill that will ensure success in the world of work. The school is for the student. If the student works to his/her ability, cooperates with instructors and fellow students, learns and uses good work habits; success at the technology center will be assured, and success in the world of work will be the result. A good attitude, good attendance, and good behavior are a must.

The Venango Technology Center is one of the finest facilities of its kind. It can serve as the first step to a profitable and satisfying career, if the student applies their self to the training.

The School's mission statement, as formulated by the Strategic Planning Committee, states:

The mission of the Venango Technology Center is to focus on the economic future of the region through quality career and technical education.

The School's philosophy is based on the belief that each young person should be helped to develop to the limit of their potential, both as an individual person and as a wage earner.

Programs for high school students at the Venango Technology Center are designed to meet the needs of individuals who desire to acquire or improve the vocational-technical and related academic skills needed to be successful in the job market or in future education opportunities. The available, quality programs combine the following:

- instructors with many years of both work and teaching experience
- facilities and equipment comparable to local business/industry
- high quality performance standards, scholarship, professional work ethics and safety
- support staff to help meet the needs of **all** students

All Venango Technology Center programs are approved by the Pennsylvania Department of Education, Bureau of Vocational and Technical Education.

If there are any further questions, or you wish additional information, contact the Rocky Grove High School guidance office or the technology center, 677-3097, extension 208. Venango Technology Center does not discriminate on the basis of race, color, national origin, sex, or handicap, in the administration of any of its educational programs and activities in accordance with applicable federal statutes and regulations. Inquiries should be directed to: Venango Technology Center, 1 Vo-Tech Drive, Oil City, PA 16301 www.vtc1.org

WHAT AREAS OF SKILL TRAINING ARE AVAILABLE?

Allied Health Occupations

This program is designed to prepare the student for a career in the health care field caring for patients in the hospital, nursing home, and home care. The first year student gains an understanding of medical terms and how the body works. CPR and first aid certification are part of the course curriculum. Second

year students build on the knowledge obtained in the first year and take a 120 hour course in nursing assisting, which could lead to American Red Cross certification as a Certified Nurse's Assistant (CNA). This 120 hour specialized course includes 60 hours of classroom theory and 60 hours of clinical experience, working at a local nursing home. Nurse Aide course requirements are as follows: 2 Mantoux TB, PPD test done at your physician's office, criminal clearance check(\$10.00), uniform (\$20.00), and urine drug test (\$47.00). Third year students wishing to expand their knowledge can enroll in child care. On the job training via the cooperative education program is available to select seniors who qualify.

Auto Body Repair Technology

The student learns to develop MIG welding skills; becoming familiar with hand tools and their uses; collision and plastic repair; refinishing and painting techniques for surface materials; 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. An understanding of mixing ratios and proportions of refinishing products will be covered in the program. A state of the art down draft spray booth is available for the development of refinishing skills.

Automotive Technology

General automotive maintenance including understanding: brake work, tire changing & repair, wheel balancing, oil changes, lubrications, exhaust systems, and electrical systems are included in the first phase of the program. The second phase includes analysis of engine problems, adjustment, repair, and replacement of faulty parts. The student also learns engine tune-up, engine overhaul, steering systems, wheel alignments, and fuel injection theory, drive-ability, and repair. Automotive computer systems are also covered in the program.

Building Construction Technology

This course begins with the use and care of hand tools. Power tools are introduced with a major emphasis on safety. 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.

Building/Property Maintenance Technology

This is an instructional program that prepares students to apply technical knowledge and skills in the maintenance and repair of residential, office, apartment buildings, and other commercial buildings. Instruction includes the basics of carpentry, millwork, plumbing, painting, glazing, electricity, plastering, welding, minor sheet metal, concreting, bricklaying, tile setting, hardware usage, heating, ventilation, waterproofing, roofing, and record keeping. There is a lot of safety related training as well as an emphasis on heavy equipment operations. Students will utilize the dozer, the excavator and the backhoe, along with heavy equipment safety and maintenance. There is some outdoor work involved in this program.

Computer Aided Drafting & Design

The CADD curriculum prepares the student for entry-level skills as a mechanical/architectural draftsman. 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 personal computer based with AutoCAD 2011, with Architectural & Mechanical Desktop, Inventor Series 2011 professional, and Revit Building 2011 programs.

Computer Information Systems

The program prepares students for entry-level positions in areas such as data entry, computer support specialist, computer operator, computer technician, computer programming, and multi-media development. Students will be assigned their own computer workstation where they will be exposed to the most current software on the market and on the Internet. The first year is devoted to introducing students to computer concepts and terminology, general business applications with Microsoft Office, web page development, and an introduction to computer programming. The second year students learn how to manage, maintain, and troubleshoot both computer hardware and software, with a mention of A+ Certification. They will also learn networking basics. Third year students will concentrate on 2D & 3D animation, video game development, and graphic designing.

Cosmetology

Students learn hair styling, permanent waving, coloring, hair cutting, facial care, and manicuring/pedicuring. Customer relations and working with others is an integral part of the program. Students completing 1250 hours of training are eligible to take the State examination to become certified cosmetologists.

Culinary Arts

The culinary arts department is divided into four phases of training that include bakery, dining room service, kitchen, and fast food. The kitchen emphasizes the principles of food preparation within industry standards. The bakery focuses on measuring and following recipes, along with pastry and cake decorating. The fast food area gives the students a hands-on working experience with running a cash register, counter service and making and serving the food quickly and efficiently. The dining room training consists of how a restaurant operates and also how to deal with customers and coworkers as well. Students also will be given the opportunity to achieve ServSafe certification and CPR training.

Diversified Occupations

An instructional program that operates as an integral part of vocational education to provide a cooperative arrangement between the school and employers whereby the student receives general education instruction in the school and on-the-job training through part-time employment in business/industry. The area of training may be in any vocational education area where there are needs for trained persons and must relate to the student's career objective. However, specifically, the program was designed to provide training for those vocational areas not presently being offered at the vocational school or comprehensive high school and to serve students who are unable to gain admission to a vocational program due to excessive applications.

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.

Engineering Technology

The student will be provided a technical component cluster in Computer Aided Drafting, Computer Information Systems, and Electronic Technology. The student will explore technology, experience applied research and experimentation, and will relate the content to the realistic world of technology. Students are required to take prescribed academic courses at their high school as part of this program.

Industrial Manufacturing Technology

Training is provided in a cluster format in Welding Technology, Machine Tool Technology, and Computer Aided Drafting at the technology center, along with prescribed academic courses at the high school. This program prepares individuals to apply knowledge and skills in the Industrial/Manufacturing fields.

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. Students who meet certain criteria are eligible to take the NIMS (National Institute for Metalworking Skills) certification test.

Marketing Education

Through operation of an actual retail store with the school and activities throughout the community with local business owners, students prepare and work in the areas of retailing, wholesaling, sales, service occupations, and visual merchandising displays. Students learn skills, knowledge, and attitudes consistent with buying, pricing, selling, distribution, promotion, business operations, and advertising. Classes stress direct involvement with a variety of businesses, both local and national. Computers are an integral part of the learning process as are math skills.

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 is a part of this course. Students are able to explore interests and pursue careers in forestry, horticulture, landscaping, recreational land use, environmental protection, and a variety of related careers. The four main areas of the program are: forestry, landscaping, horticulture, and greenhouse operation. Students are also instructed in the use of chain saws, survey equipment, and operation of a landscape tractor and a log loader.

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.), 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 perform practice certification for American Welding Society qualification. Safety is stressed throughout the course. This program qualifies as a program of study by the PA Department of Education. Amended 11.30.2010

Example Schedules

The curriculum schedules that follow are only recommended plans for students who want to focus on a specific preparation with respect to future goals. Students do have the flexibility in scheduling to choose courses from various schedules if such classes meet individual needs more effectively.

EXAMPLE 1 – Accelerated Curriculum

Grade 9

Accelerated English 9
Accelerated American History 9
Academic Geometry
Academic Biology
Foreign Language
Block Classes (Health/Consumer Skills/PE/etc.)
Electives

Grade 11

Accelerated English 11
Accelerated American Gov't
Pre-Calculus
Academic Physics/Lab
Foreign Language
PE
Electives

EXAMPLE 2 – Academic Curriculum

Grade 9

Academic English 9
Academic American History 9
Algebra I
Academic Science 9
Foreign Language
Block Classes (Health/Consumer Skills/PE/etc.)
Electives

Grade 11

Academic English 11
Academic American Gov't
Algebra II

Grade 10

Accelerated English 10
Accelerated World Studies 10
Algebra II
Academic Chemistry/Lab
Foreign Language
PE
Electives

Grade 12

AP English 12
Accelerated Economics/World Issues
Calculus
AP Biology/Lab
Foreign Language
PE
Electives
Graduation project

Grade 10

Academic English 10
Academic World Studies 10
Academic Geometry
Academic Biology
Foreign Language
PE
Electives

Grade 12

Academic English 12
Academic Economics/World Issues
Pre-Calculus

Academic Chemistry/Lab
*Foreign Language
PE
Electives

Academic Physics/Lab
*Foreign Language
PE
Electives
Graduation project

EXAMPLE 3 – Career Prep Curriculum

Grade 9

English 9
Academic American History
Basic Algebra
Science 9
Block Classes (Health/Consumer Skills/PE/etc.)
Electives

Grade 11

English 11
Academic American Gov't
Integrated Math
General Science
PE
Electives

EXAMPLE 4 – Vocational/Technical Curriculum

Grade 9

English 9
Academic American History
Algebra I/Basic Algebra
Science 9/Academic Science 9
Block Classes (Health/Consumer Skills/PE/etc.)
Electives

Grade 11

English 11
Academic American Gov't
Integrated Math/Algebra II
PE
Venango Tech. Center Course

Grade 10

English 10
Academic World Studies
Fundamentals of Geometry
Biology
PE
Electives

Grade 12

English 12
Academic Economics/World Issues
Consumer Math
Biology II
PE
Electives
Graduation project

Grade 10

English 10
Biology/Academic Biology
Fundamentals of Geometry/Academic Geometry
PE
Venango Tech. Center Course

Grade 12

English 12
Academic Economics/ World Issues
General Science
PE
Venango Tech. Center Course
Graduation project

JUNIOR HIGH SECTION

Junior High Scheduling Guidelines

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. Students must have the approval of their parent/guardian and the recommendation of their teachers when selecting the appropriate course level.

Most classes in the seventh and eighth grade curriculums are required courses. The major decision in the scheduling process is to determine the most appropriate level for your child. While it is still early in your child's high school career, course selection in the seventh grade will be a determining factor in choosing future classes.

The curriculum schedules that follow are only recommended plans for students who want to focus on a specific preparation with respect to future goals. Students do have the flexibility in scheduling to choose courses from various curriculums if such classes meet individual needs more effectively.

It is also important to note that schedule changes after the start of the school year are strongly discouraged. These are very disruptive and can cause a significant class size problem in a small school with a limited number of sections of a given class. Students and parents are requested to carefully select the appropriate courses and level to minimize change requests. Students who wish to make schedule changes have the first week of school to do so. Students must fill out the appropriate form.

PLEASE NOTE: Schedules will not be changed on the first day of school.

Schedule changes between levels of a particular course (i.e. Academic to Career Prep or Accelerated to Academic) 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

ENGLISH

101R English 7
102R English 8
125 Academic English 7
126 Accelerated English 7
130 Academic English 8
131 Accelerated English 8

SCIENCE

301R Science 7
302R Science 8
325 Academic Science 7
326 Accelerated Science 7
330 Academic Science 8
331 Accelerated Science 8

SOCIAL STUDIES

201R World Geography 7
202R American History 8
225 Academic World Geography 7
226 Accelerated World Geography 7
230 Academic American History 8
232 Accelerated American History 8

7TH GRADE BLOCK COURSES (9 weeks each)

007 Physical Education 7
027 Health 7
050 Art 7
056 Music 7
057 Consumer Science Skills 7
081 PSSA Reading 7
550 Research and Library Skills
600 Introduction to Computers 7

**Block classes are subject to change at the discretion of the administration.

ADDITIONAL JR. HIGH COURSES

701 Jr. High Symphonic Band
706 Jr. High Chorus
815 Jr. High Crafts (Sem.)
857 Introduction to Technology (Sem)
816 Jr. High Popular Literature (Sem)

MATH

407J Accelerated Math 8 - Algebra I
417 Academic Math 8
418 Operational Math 8
420 Accelerated Math 7
421 Academic Math 7
425 Operational Math 7

8TH GRADE BLOCK COURSES (9 weeks each)

008 Physical Education 8
028 Health 8
060 Music 8
075 PSSA Science 8
080 PSSA Math 8
082 Career Education
083 Wood Technology 8
854 A Wellness and Nutrition 8

Junior High Course Descriptions

ENGLISH

101R English 7

(5pds/wk-1yr)

The emphasis in this class will be on basic grammar, spelling, and writing skills in order to prepare the students for success at the high school level. Students in this class will also read various short stories to improve their basic analytical and comprehension skills.

125 Academic English 7

(5pds/wk-1yr)

This course offers a fascinating learning experience as students read stories dealing with mystery, suspense, humor, and human nature. The course engages students' minds and fosters reading enthusiasm. The course also reinforces the foundations in grammar basics through in-depth work. In addition, emphasis is placed upon achieving a variety of sentences in writing, using transitions effectively, and achieving coherence in paragraph. Lessons build upon spelling rules already covered and introduce knowledge of others. Development of listening and speaking skills also is an integral part of this course for 7th grade.

126 Accelerated English 7**(5pds/wk-1yr)**

Pre-requisite: Teacher recommendation or a “B” or better in the previous year’s class.

The Accelerated English 7 course offers in-depth study of the grammar skills. In addition, emphasis is placed upon achieving a variety of sentences in writing, using transitions effectively, and achieving coherence in paragraphs. Note-taking and outlining skills are introduced as well as editing symbols and correct bibliography form. Literature units are organized by theme. Students have an opportunity to improve skills in recognizing conflict and irony, interpreting theme, identifying authors' tone, and distinguishing fact from fiction. At least one full-length novel is read and discussed in great depth. 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. Lessons dealing with vocabulary enrichment are an important part of this course. Students not only learn word origins and meanings but also learn to utilize their new vocabulary in everyday speaking and writing experiences.

102R English 8**(5pds/wk-1yr)**

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. Students will continue to explore various genres of literature. More thorough examinations of such texts will be done to enhance reading comprehension and analysis.

130 Academic English 8**(5pds/wk-1yr)**

This course reinforces many of the basic grammar and writing skills acquired in 7th grade. Emphasis is on sentence structure, various types of outlines, and paraphrasing. The persuasive paragraph is introduced at this level. Work continues on public speaking skills with numerous opportunities for the student to make short speeches to the class. 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 become familiar with actual human experiences through much of the literature presented in this course; and, consequently, they will develop an interest in good literature. Their reading experience will be enhanced with carefully chosen novels that are interesting and entertaining.

131 Accelerated English 8**(5pds/wk-1yr)**

Pre-requisite: Teacher recommendation or a “B” or better in the previous year’s class.

The Accelerated English 8 course offers a more in-depth study of writing skills. Students are led step-by-step through the writing process, from prewriting to revising to the final copy. Interactive 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 which are explored in the course, along with reinforcement of other communication skills. Two major speeches are presented in this course. Both entail library research and/or interviewing skills to gather information.

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. A wide variety of stories make up the literature of the course. Students will explore various genre including legends, short stories, folktales, poems, autobiography, drama and stories and documents concerning freedom. Students will grasp more complex meanings and applications from the literature presented in class than in the past. Critical thinking is an integral part of the study of literature. Imaginations will be ignited by the stories and discussions, which will carry over to students' writings. A primary concern of this course is that each student can increase his/her reading, thinking and communication skills.

SOCIAL STUDIES

201R World Geography 7

(5pds/wk-1yr)

This course is a look at the Earth as a physical environment and as a human place. Students will study both the physical features and the cultural aspects of the world with particular emphasis on the continents of Europe, Africa, Asia, Australia, and Antarctica. 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. This course will emphasize hands-on learning activities, citizenship, social, and life skills.

202R American History 8

(5pds/wk-1yr)

A history of the United States 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 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.

225 Academic World Geography 7

(5pds/wk-1yr)

This course is a look at the Earth as a physical environment and as a human place. Students will study both the physical features and the cultural aspects of the world with particular emphasis on the continents of Europe, Africa, Asia, Australia, and Antarctica. Students will strengthen map skills, increase geographical knowledge, and evaluate relationships between people, places, and environment. Students will strengthen reading comprehension and study skills. 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. This course is designed for students

who will continue their education beyond the high school level. Students will be required to complete a variety of higher level research projects and assignments.

226 Accelerated World Geography 7

(5pds/wk-1yr)

Pre-requisite: Teacher recommendation or a “B” or better in the previous year’s class.

This course is a look at the Earth as a physical environment and as a human place. Students will study both the physical features and the cultural aspects of the world with particular emphasis on the continents of Europe, Africa, Asia, Australia, and Antarctica. 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. This course is geared for the highly motivated college and university bound student.

230 Academic American History 8

(5pds/wk-1yr)

A history of the United States 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. 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 also gain an insight into the development of the American way of life. Students will see how events of the nation's past have influenced its current and future state. This course is designed for students who will continue their education beyond the high school level. Students will be required to complete a variety of higher level research projects.

232 Accelerated American History 8

(5pds/wk-1yr)

Pre-requisite: Teacher recommendation or a “B” or better in the previous year’s class.

A history of the United States 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. In the accelerated course, 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.

SCIENCE

301R Science 7

(5pds/wk-1yr)

Science 7 is an integrated approach to the world of science. Using scientific process skills such as observing, predicting, and experimenting, we will explore various topics in the earth, physical, and life sciences. Topics include reshaping the land, weather and climate, cells, classification of living things, matter and motion, and work and energy. Science 7 is intended for the student who will benefit from teacher-led activities or group projects. While some independent work will be required, more in-class time will be provided with additional reading help available.

302R Science 8

(5pds/wk-1yr)

This is an 8th grade basic science course. It includes topics on the 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.

325 Academic Science 7

(5pds/wk-1yr)

Academic Science 7 is an integrated approach to the world of science. Using scientific process skills such as observing, predicting, and experimenting, we will explore various topics in the earth, physical, and life sciences. Topics include reshaping the land, weather and climate, cells, classification of living things, matter and motion, and work and energy. Academic Science 7 is a blending of two learning environments. There will be some independent work requirements as well as some teacher-led activities. This is a class for the students who occasionally need assistance, but also can work and read independently.

326 Accelerated Science 7

(5pds/wk-1yr)

Pre-requisite: Teacher recommendation or a “B” or better in the previous year’s class.

Accelerated Science 7 is an integrated approach to the world of Science. Using scientific process skills such as observing, predicting, and experimenting, we will explore various topics in the earth, physical, and life sciences. Topics include reshaping the land, weather and climate, cells, classification of living things, matter and motion, and work and energy. Accelerated Science 7 is intended for the student who needs minimal direction and works well independently. Accelerated students will be expected to complete more independent work as well as additional tasks not asked of the other classes. This is the most challenging of the Science 7 classes.

330 Academic Science 8**(5pds/wk-1yr)**

This is an 8th grade academic 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 expected to do more independent work compared to the basic class. Homework constitutes a large percentage of the grade.

331 Accelerated Science 8**(5pds/wk-1yr)**

Pre-requisite: Teacher recommendation or a “B” or better in the previous year’s class.

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.

MATH**407J Accelerated Math 8 - Algebra I****(5pds/wk-1yr)**

Prerequisite: Pre-Algebra/Accl Math 7 or Teacher Recommendation.

This course is for students with above average math skills and designed to include the Pennsylvania State Standards and PSSA Assessment Anchors in Mathematics for the appropriate grade level. The course is an extension of Pre-Algebra by being a more-in-depth study of the properties of Real Numbers. Algebra Techniques are used to explore topics such as numbers, variables, order of operations, patterns, tables, graphs, relationships, slope, data analysis, proportions, equations, inequalities, inverse operations, linear equations, probability problem solving, etc. The purpose of this course is to prepare students for Geometry.

418 Academic Math 8**(5pds/wk-1yr)**

Prerequisite: Pre-Algebra/Academic Math 7 or Teacher Recommendation.

This course is for students with average math skills and designed to include the Pennsylvania State Standards and PSSA Assessment Anchors in Mathematics for the appropriate grade level. The course is an extension of Pre-Algebra by being a more-in-depth study of the properties of Real Numbers. However it is not classified as rigorous as Algebra I, for it is designed for students who are not quite ready for the rigors of Algebra I and the Keystone Exam. Algebra Techniques are used to explore topics in an integrated math course that involves an exploration of numbers, variables, order of operations, patterns, tables, graphs, relationships, slope, data analysis, proportions, equations, inequalities, inverse operations, linear equations, probability problem solving, etc. The purpose of this course is to prepare students for Algebra I at the high school level.

417 Operational Math 8**(5pds/wk-1yr)**

This course is designed to include the Pennsylvania 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. The purpose of this course is to prepare students for Algebra at the high school level.

420 Accelerated Math 7**(5pds/wk-1yr)**

Prerequisite: Passing the Algebra Readiness Test and Teacher Recommendation.

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 fast paced 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, probability, etc. The purpose of this course is to prepare students for Algebra I.

421 Academic Math 7**(5pds/wk-1yr)**

This course is for 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 to a slower paced Pre-Algebra class and is a 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 introducing topics such as integers, proportions, linear equations, slope, graphing, probability, etc. The purpose of this course is to prepare students for Fundamentals of Algebra.

425 Operational Math 7**(5pds/wk-1yr)**

This course is designed to include the Pennsylvania State Standards and PSSA Assessment Anchors in Mathematics for the appropriate grade level. 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 introducing topics such as integers, proportions, linear equations, slope, graphing, probability, etc. The purpose of this course is to prepare students for Pre-Algebra.

7TH GRADE BLOCK CLASSES**007 Physical Education 7****(5pds/wk-9wks)**

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. Our 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.

027 Health 7

(5pds/wk-9wks)

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 one's self 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.

081 PSSA Reading

(5pds/wk-9wks)

This nine week course is dedicated to the development of reading and writing skills that will be addressed with the PSSA testing in grade 8. Students will develop and strengthen their ability to comprehend, analyze, and interpret what they read in all curricular areas. Additionally, they will be taught the skills necessary to write properly throughout their high school experience. Students will be guided through persuasive, narrative, and expository writing. They will hone their skills of correctly utilizing topic sentences, thesis statements, and other proper writing conventions.

050 Art 7

(5pds/wk-9wks)

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.

056 Music 7

(5pds/wk-9wks)

This is a general music course designed for all students in grade 7. This is a semester course that exposes students to beginning levels of the elements of vocal music. Topics to be discussed, studied, and applied include, but are not limited to, basic principles of singing and music literacy.

550 Research and Library Skills

(5pds/wk-9wks)

The purpose of this class is to familiarize students with print and electronic sources available in the library. Students will learn how to successfully locate books, quality websites, and database articles for research purposes. Students will also learn to become familiar with the six-step research process. Students will utilize print and electronic sources to locate, organize, cite and present information.

600 Introduction to Computers 7**(5pds/wk-9wks)**

This course will introduce students to the basic fundamentals of the Microsoft Office package, which includes Word, Keyboarding, Excel, and Powerpoint. Three days at the beginning of the quarter will cover Internet Safety.

057 Consumer Science Skills 7**(5pds/wk-9wks)**

Students will spend 4 ½ weeks learning the basics of cooking and participate in 4 different cooking labs. The second 4 ½ weeks will be spent learning to sew. Time will be spent on basic skills such as sewing on buttons and making pillows using a machine. Cost is \$8.00 for sewing supplies.

8TH GRADE BLOCK COURSES**008 Physical Education 8****(5pds/wk-9wks)**

8th grade physical education focuses on the PE4Life philosophy which is to inspire active, healthy lifestyles in children and adolescents through health-related physical activities. Our 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. In 8th grade, PE will focus more closely on expanding students' knowledge and skills that they learned during 7th grade physical education as well as the development of individual sports, fitness, and physical activity skills.

028 Health 8**(5pds/wk-9wks)**

The first portion of 8th grade health 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 second portion of this course will provide a study of the human body and human nature. We will be focusing on communicable and non-communicable diseases and how they affect the immune system. The causes of the diseases, the modes of transmission, the germs involved, and the treatment available will also be discussed. The diseases/conditions covered include the common cold, influenza, mononucleosis, sexually transmitted diseases, HIV, cancer, heart disease, diabetes, and arthritis. Genetic conditions as well as gender issues concerning the reproductive system, development, and problems that can occur will also be discussed.

060 Music 8**(5pds/wk-9wks)**

This is a general music course designed for all students in grade 8. This is a semester course that exposes students to intermediate levels of the elements of vocal music. Topics to be discussed, studied, and applied include but are not limited to, the principles of singing and music literacy.

075 PSSA Science 8**(5pds/wk-9wks)**

The PSSA Science 8 course will encourage students to comprehend, apply, analyze, synthesize, and evaluate their own performances through a variety of methods including research, experimentation, data collection, and numerous literacy based assignments. The course will be broken down into four main sections. The first will focus on cell processes and their importance in passing genetic information from parent to offspring while allowing genetic variation to facilitate evolution. The second section of the course will allow students to identify rock and mineral samples as well as investigate the environmental conditions in Earth's history that led to their formation. The third section will involve the study of Earth's systems, specifically the Geosphere, and delve into the Theory of Plate Tectonics and the causes, results, and safety measures associated with earthquakes and volcanic eruptions. The fourth and final section will relate the Atomic Theory to the organization of the periodic table and discuss the types of chemical bonding and chemical reactions that blend to make unique chemical compounds.

080 PSSA Math 8**(5pds/wk-9wks)**

This course is designed to review Pennsylvania State Standards and PSSA Assessment Anchors in Mathematics for the appropriate grade level. Topics covered in the course include concepts related to Numbers and Operations, Measurement, Geometry, Algebra, Data Analysis, and Probability.

082 Career Education 8**(5pds/wk-9wks)**

This course is taught to eighth grade students as fulfillment of the PA Academic Standards for Career Education and Work. Students will investigate and explore different careers. The students will study working with others, job skills, and career decisions.

854 B Wellness and Nutrition 8**(5pds/wk-9wks)**

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.

083 Wood Technology 8**(5pds/wk-9wks)**

This is an introductory wood working course. All aspects of laboratory and machine safety will be covered as well as designing, planning, and building a wood working project. Students will use various machines and hand tools to manufacture a folding wooden stool. Students will also be introduced to Computerized Numerical Control through the use of a CNC Laser Engraver.

062 Language Exploration 8 (Spanish)**(5pds/wk-4.5wks)**

Language Exploration 8 is taught to all eighth grade level students in this nine-week block course. It is designed to review briefly the basic skills of reading, writing, listening, and speaking in the Spanish language. Students will also be introduced to basic points of culture of Spain and other Spanish-speaking nations.

077 Language Exploration 8 (French)**(5pds/wk-4.5wks)**

Language Exploration 8 is taught to all eighth grade level students in this nine-week block course. It is designed to review briefly the basic skills of writing, listening, and speaking in the French language. Students will also be introduced to basic points of culture of France and other French-speaking nations.

ADDITIONAL JR. HIGH COURSES

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

(5pds/wk-1yr)

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.

706 Jr. High Chorus (Grades 7-8)

(5pds/wk-1yr)

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.

815 Jr. High Crafts

(5pds/wk-sem)

This class is designed to expose the student to a variety of folk art and crafts through the use of multi cultural art experience. The student will journey through the Stone Age, ancient Greece and Rome, Europe, Africa, Middle and Far East, Central, Latin and North America. The student will develop an appreciation for multi cultural contributions to the arts. The student will gain experience working in a variety of medias such as fiber arts, mosaics, ceramics, paper mache, paper sculpture, painting, etc. Preference will be given to 8th grade students.

857 Introduction to Technology (This course has two component parts.)

(5pds/wk-sem)

Drafting and Measurement

This course will be to expose students to how drawings and measurement allow us to develop products. Students will have hands on experience with drawing equipment, measuring tools, and computers. Basic observation of objects as to true size and true shape concepts will be stressed.

Electricity and Electronics

This course is designed to give students an understanding of how electric power is made. Through the use of small hands on projects, students will learn the basic fundamentals of electronics. Basic tools and equipment along with safe use will be stressed. Preference will be given to 8th grade students.

132 Reading 7

(5pds/wk-1yr)

This course is designed to build the reading skills of seventh grade students. During this class, students will gain a better understanding of basic and intermediate phonics, vocabulary and word usage, pre-reading and reading strategies such as topic sentence, main idea and author's purpose. Students will participate in activities that will increase reading comprehension, vocabulary development, word and dictionary usage, structural analysis, and additional pre-reading, and reading strategies such as author's purpose and supporting details. Students will also be challenged to speak and write about the issues addressed in class readings. Students will be assigned to this course according to their PSSA results.

133 Popular Literature

(5pds/wk-sem)

Students select and explore various texts across several genres through reading, documenting, (e.g. journaling, annotating, and the like), and discussing materials. Each student will choose texts from such genres as fiction, nonfiction poetry, and drama to read and examine with attention to aesthetics of creativity as a means to foster interest and active close reading practices.

Sample Schedules

ACCELERATED CURRICULUM

126 Accelerated English 7
226 Accelerated World Geography 7
326 Accelerated Science 7
420 Accelerated Math 7
Block 7A
Block 7B
Electives

ACADEMIC CURRICULUM

125 Academic English 7
225 Academic World Geography 7
325 Academic Science 7
425 Academic Math 7
Block 7A
Block 7B
Electives

CAREER PREP CURRICULUM

101R English 7
201R World Geography 7
301R Science 7
425 Operational Math 7
Block 7A
Block 7B
Electives

ACCELERATED CURRICULUM

131 Accelerated English 8
232 Accelerated American History 8
331 Accelerated Science 8
407J Accelerated Math 8-Algebra I
Block 8A
Block 8B
Electives

ACADEMIC CURRICULUM

130 Academic English 8
230 Academic American History 8
330 Academic Science 8
417 Academic Math 8
Block 8A
Block 8B
Electives

CAREER PREP CURRICULUM

102R English 8
230 American History 8
302R Science 8
417 Operational Math 8
Block 8A
Block 8B
Electives