
Program of Study And Course Description Guide Grades 9-12



“Commitment to Excellence”

2018-2019

Neshannock Township Board of School Directors



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TABLE OF CONTENTS

GENERAL INFORMATION.....	5
Our Mission, Belief, and Vision Statements.....	6
Scheduling Timeline	7
Graduation Requirements	8
Graduation Requirements Grades 9 and 10.....	9
Graduation Requirements Grades 11 and 12.....	10
Plan Ahead Sheet.....	11
Preliminary Registration Form	12
Course Waiver Policy and Consent Form.....	16
DEFINITION OF TERMS.....	17
Scheduling Terms	
Nondiscrimination Policy	18
Handicapped Students Policy	18
Scheduling Elective Courses Policy	18
Schedule Changes	18
Graduation Requirements	18
Class Rank & Quality Point Average (QPA)	19
Curricula	19
Lawrence County Career & Technical Center Transfer Policy.....	19
University of Pittsburgh’s College in the High School Program	20
Seton Hill University’s College in the High School Program.....	20
Duquesne University’s College in the High School Program	20
Work Release Program	21
Dual Enrollment.....	21

TABLE OF CONTENTS

Scheduling Terms Continued

NCAA Course of Study for Athletes	22
College Testing Terms	25
Advanced Placement Exams.....	25
ACT.....	25
PSAT and the National Merit Scholarship Qualifying Test (NMSQT)	25
SAT	26
SAT Subject Tests.....	26
Assessment Prep	27
Keystone Exams.....	27

COURSE DESCRIPTIONS

Art	28
Business Education	32
Driver Education	36
English	38
Family and Consumer Sciences.....	42
World Languages	45
Health/Wellness	48
Human Performance Exercise Science/Physical Education PE	50
Mathematics	52
Media Production.....	58
Music.....	61
Science	65
Social Studies.....	69
Teacher Assistant.....	73
Technology Education	75

PROGRAMS FOR INDIVIDUAL STUDENT NEEDS.....	78
---	-----------

ACTIVITIES PROGRAM.....	80
--------------------------------	-----------

ATHLETIC PROGRAM	80
-------------------------------	-----------

GENERAL INFORMATION

MISSION STATEMENT

VISION STATEMENT

BELIEF STATEMENT

SCHEDULING TIMELINE

GRADUATION REQUIREMENTS

REGISTRATION FORMS

PLAN AHEAD SHEET

CRITERIA WAIVER POLICY

CRITERIA WAIVER CONSENT FORM

Neshannock Township School District

Our Mission

Neshannock Township School District is committed to providing every student the opportunity to develop and utilize their academic and social skills through an exemplary, rigorous educational experience in a safe and caring environment.

Belief Statement

- All students can learn.
- We prepare our students to be life-long learners.
- Students learn in different ways and at different rates.
- The key aspect of education is developing well-rounded students who think creatively and critically to make informed decisions and solve problems.
- Education enables the individual to be a responsible, self-disciplined member of a community.
- Educational and cultural diversity enriches the educational experience for students.
- Students and staff will be proactive in creating a safe and caring environment.
- Education is a cooperative effort of the Board of Education, staff, students, parents, and the community.
- The School District fosters an environment that encourages all staff to exercise their unique skills to enhance education.

Vision Statement

The District will foster school and community partnerships in order to deliver a rigorous curriculum that meets the needs of all students. These partnerships will inspire students and staff to achieve all aspects of the District's mission and goals.

SCHEDULING TIMELINE 2018-2019

1. Counselors will distribute the Program of Studies and a preliminary registration form to grades 8, 9, 10, and 11 starting in February 2018.
2. Students must obtain required teacher recommendation; return Preliminary Registration Form and Course Criteria Waiver Consent Form to their guidance counselor by February 27, 2018.
3. Individual student conferences can be scheduled starting now and ending March 23, 2018.
4. Course requests will be reviewed and entered by guidance counselors into scheduling program beginning in February 2018.
5. Courses that do not have 10 or more students in the class will not be offered.

Questions regarding the scheduling process should be directed to:

724- 658- 5513

Mr. Held – Grades 7 – 9 - ext. 5122

aheld@ntsd.org

Mrs. DeVincentis – Grades 10 – 12 - ext. 5115

bdevincentis@ntsd.org

Class of 2019, 2020, 2021, 2022

At Neshannock, a minimum of 25 credits are required for graduation from high school. These credits must include:

English	4
Social Studies	4
Science	3
Mathematics	4
Technology	1
Electives	5
Human Performance	1.5
Health	.25
Driver Education	.25
Computer Application	.5
Graduation Project	1
Assessment Prep	.5
Total Credits	25

Additional graduation requirement (beginning class 2020):

Keystone Exam in Literature, Algebra, and Biology - No Credit

Beginning with the Class of 2018 all students are required to take Assessment Prep in place of Human Performance in grade 10

Any senior who has not met all graduation requirements will NOT be permitted to participate in commencement ceremonies.

GRADUATION REQUIREMENTS

Scheduling Requirements for All Students . . .

1. At least 2.0 credits of Elective Courses must be acquired in the Arts and Humanities. Arts and Humanities courses include additional courses in English, Social Studies, Foreign Language, Visual Arts, Family and Consumer Sciences, Technology Education, and Music.
2. Students must schedule a minimum number of credits each year:
Grade 9 – 6 credits Grade 11 – 5.5 credits
Grade 10 – 6 credits Grade 12 – 5.5 credits
Students who deviate from this requirement must have the approval of the building principal.
3. There are eight (8) instructional periods and one (1) period for lunch at the Junior/Senior High School. Students are encouraged to take advantage of the many and varied elective courses offered by the District.
4. During any semester, students should not have more than one (1) study hall per day.

**CLASS OF 2019, 2020, 2021, 2022
GRADUATION REQUIREMENTS**

Grade 9

REQUIRED

**English 9
Civics
Mathematics
Physical Science 9
Physical Education/
Computer Application
Elective
Elective
(Level I of World Language
Recommended)**

- Students are required to carry six solid subjects plus physical education. Solid subjects are those that meet a minimum of five periods per week.
- Physical education meets all year two or three periods per week following an alternating schedule. Computer Application is taught for all year, opposite physical education.
- All other subjects listed meet five times weekly.
- A full-time study hall will be put into each schedule.

Grade 10

REQUIRED

**English 10
World Cultures
Biology
Mathematics
Assessment Prep/Wellness/
Driver Ed
Elective
Elective
(Level II of World Language
Recommended)**

- To be considered a sophomore, a student must have passed 9th grade English and accumulated five credits.
- Students are required to carry six solid subjects. Solid subjects are those that meet a minimum of five periods per week. Assessment Prep, Wellness, and Driver Education count as one solid subject.
- Assessment Prep meets all year two or three periods per week following an alternating schedule. Wellness meets for one semester; driver education meets the other semester opposite Assessment Prep.
- All other subjects listed meet five times weekly.
- A full-time study hall will be put into each schedule.

Grade 11

REQUIRED

**English 11
Mathematics
US History or
AP US History
Science
Physical Education
Elective (2)
Elective or Study Hall
(Level III of World Language
Recommended)**

- A study hall may be taken if a student selects Chemistry, AP Chemistry, AP Biology or schedules three or more AP courses.
- To be considered a junior, a student must have passed 10th grade English and accumulated 10 credits.
- Students are required to carry six solid subjects plus physical education. The exceptions are: students who schedule three or more AP classes or students who schedule Chemistry, AP Chemistry, or AP Biology, may select a study hall in place of another elective. Solid subjects are those that meet a minimum of five periods weekly.
- Chemistry class meets seven periods weekly (eight periods for AP Biology and AP Chemistry) and for scheduling purposes will be considered two solid subjects. These are not two credit courses. Physical education meets all year two or three periods per week following an alternating schedule.
- All subjects listed meet five times weekly except Chemistry, AP Biology, and AP Chemistry.

Grade 12

REQUIRED

**English 12
Social Studies
Mathematics
Physical Education
Elective (2)
Elective or Study Hall
(Level IV of World Language
Recommended)**

- A study hall may be taken if a student selects Chemistry, Physics, AP Chemistry, AP Biology or schedules three or more AP courses.
- To be considered a senior, a student must have passed 11th grade English and accumulated 15 credits.
- Students are required to carry six solid subjects plus physical education. The exceptions are: students who schedule three or more AP classes or students who schedule Chemistry, Physics, AP Chemistry, or AP Biology, may select a study hall in place of another elective. Solid subjects are those that meet a minimum of five periods weekly.
- Physics and Chemistry classes meet seven periods weekly (eight periods for AP Biology and AP Chemistry) and for scheduling purposes will be considered two solid subjects. These are not two credit courses.
- Physical education meets all year two or three periods per week following an alternating schedule.
- Science and mathematics must be selected and scheduled in 12th grade if credit was not earned in the 9th, 10th, and 11th grade.
- Be sure to check that you will have enough credits to graduate. Please check graduation requirements on page 8.

PLAN AHEAD SHEET

STUDENTS SHOULD USE THE CHART BELOW TO PLAN TO MEET THE REQUIRED CREDITS FOR GRADUATION AND THE ELECTIVE COURSES THAT WILL HELP THEM REACH THEIR CAREER GOALS.

SUBJECT FIELD	9	10	11	12
ENGLISH				
SOCIAL STUDIES				
MATHEMATICS				
SCIENCE				
WORLD LANGUAGE				
TECHNOLOGY ELECTIVE				
ELECTIVE				
ELECTIVE				
COMPUTER APPLICATION				
HEALTH/DRIVER EDUCATION				
PHYSICAL EDUCATION				

**THIS FORM HAS A
DUE DATE OF
February 27, 2018**

Neshannock High School
2018 – 2019
Preliminary Registration Form
Ninth Grade

**FAILURE TO RETURN THIS
REQUEST FORM BY THE DUE
DATE WILL RESULT IN YOUR
COUNSELOR SELECTING A
SCHEDULE FOR YOU!!!**

Student # _____ Homeroom _____

Students are **required** to carry six solid subjects plus physical education or their equivalent each year as defined by the curriculum guide. Students **must** have the teacher recommendation portion of this form signed by their current teacher in each of the core subject areas (Math, Science, Social Studies and English), unless the course is required, before their requests will be processed.

Reminder: All students are required to accumulate 4 math credits, 4 English credits, 4 social studies credits, 3 science credits, 1.5 technology credit, take 5 other elective credits, complete a 1 credit graduation project and achieve proficiency on the Keystone Exam in the content areas of Algebra I, Biology and Literature. Students need to accumulate a total of 25 credits to be eligible for graduation from Neshannock High School.

		Teacher Recommendation	
		<u>Recommend</u>	<u>Do not Recommend</u>
		<i>Current percent</i>	<i>Current percent</i>
<u>E109</u>	1. C.Prep English 9 or _____ H. English 9 _____		
_____	2. Physical Education/ <u>B109</u> Comp. App.	<u>Required</u>	
_____	3. Civics or _____ Honors Civics		
_____	4. _____ required Math		
<u>X905</u>	5. Lunch	<u>Required</u>	
<u>S409</u>	6. Physical Science/Lab	<u>Required</u>	
_____	7. _____ full year or two semester electives 7a. _____ 7b. _____		
_____	8. _____ full year or two semester electives 8a. _____ 8b. _____		

List **(3)** alternate choices if a course cannot be scheduled. **Failure to complete alternate course choices may result in your counselor selecting a course for you in the event of a schedule conflict.**

(1) _____ (2) _____ (3) _____

Course request changes will not be accepted after March 23, 2018. Changing a course due to the teacher assigned is not permitted at any time.

_____	_____	_____	_____
Last Name (print)	First Name	Student Signature/Date	Counselor Signature/Date
_____		_____	
Parent/Guardian Name(s)		Parent/Guardian Signature /Date	
Telephone: Home: _____ Work: _____ Cell: _____ e-mail: _____			
By law, each school district must provide the following information: name, address and telephone number to military recruiters and institutions of higher learning that request it. Unless parents/guardians indicate that they do not wish to have this information disclosed. Please sign below if you do not wish for this information to be released.			
_____		_____	
Parent/Guardian Signature		Date	

**THIS FORM HAS A
DUE DATE OF
February 27, 2018**

Neshannock High School
2018 – 2019
Preliminary Registration Form
Tenth Grade

**FAILURE TO RETURN THIS
REQUEST FORM BY THE DUE
DATE WILL RESULT IN YOUR
COUNSELOR SELECTING A
SCHEDULE FOR YOU!!!**

Student # _____ Homeroom _____

Students are **required** to carry six solid subjects plus physical education or their equivalent each year as defined by the curriculum guide. Students **must** have the teacher recommendation portion of this form signed by their current teacher in each of the core subject areas (Math, Science, Social Studies and English), unless the course is required, before their requests will be processed.

Reminder: All students are required to accumulate 4 math credits, 4 English credits, 4 social studies credits, 3 science credits, 1.5 technology credit, take 5 other elective credits, complete a 1 credit graduation project and achieve proficiency on the Keystone Exam in the content areas of Algebra I, Biology and Literature. Students need to accumulate a total of 25 credits to be eligible for graduation from Neshannock High School.

		Teacher Recommendation	
		<u>Recommend</u>	<u>Do not Recommend</u>
		<i>Current percent</i>	<i>Current percent</i>
_____ 1.	C.Prepare English 10 or _____ H. English 10 _____		
_____ 2.	Assess. Prep./X902/Health/X900 Driver Ed	Required	
_____ 3.	World Cultures or _____ Honors W. C.		
_____ 4.	_____ required Math _____		
<u>X905</u> 5.	Lunch	Required	
<u>S410</u> 6.	Biology/Lab	Required	
_____ 7.	_____ full year or two semester electives 7a. _____ 7b. _____		
_____ 8.	_____ full year or two semester electives 8a. _____ 8b. _____		

List **(3)** alternate choices if a course cannot be scheduled. **Failure to complete alternate course choices may result in your counselor selecting a course for you in the event of a schedule conflict.**

(1) _____ (2) _____ (3) _____

Course request changes will not be accepted after March 23, 2018. Changing a course due to the teacher assigned is not permitted at any time.

Last Name (print) First Name Student Signature/Date Counselor Signature/Date

Parent/Guardian Name(s) Parent/Guardian Signature /Date

Telephone: Home: _____ Work: _____ Cell: _____ e-mail: _____

By law, each school district must provide the following information: name, address and telephone number to military recruiters and institutions of higher learning that request it. Unless parents/guardians indicate that they do not wish to have this information disclosed. Please sign below if you **do not** wish for this information to be released.

Parent/Guardian Signature Date

**THIS FORM HAS A
DUE DATE OF
February 27, 2018**

Neshannock High School
2018 – 2019
Preliminary Registration Form
Eleventh Grade

**FAILURE TO RETURN THIS
REQUEST FORM BY THE DUE
DATE WILL RESULT IN YOUR
COUNSELOR SELECTING A
SCHEDULE FOR YOU!!!**

Student # _____ Homeroom _____

Students are **required** to carry six solid subjects plus physical education or their equivalent each year as defined by the curriculum guide. **Students must have the teacher recommendation portion of this form signed by their current teacher in each of the core subject areas (Math, Science, Social Studies and English), unless the course is required, before their requests will be processed.**

Reminder: All students are required to accumulate 4 math credits, 4 English credits, 4 social studies credits, 3 science credits, 1.5 technology credit, take 5 other elective credits, complete a 1 credit graduation project and achieve proficiency on the Keystone Exam in the content areas of Algebra I, Biology and Literature. Students need to accumulate a total of 25 credits to be eligible for graduation from Neshannock High School.

		Teacher Recommendation	
		<u>Recommend</u>	<u>Do not Recommend</u>
		<i>Current percent</i>	<i>Current percent</i>
_____ 1.	English 11 (Gen., C. Prep, Honors)	_____	_____
_____ 2.	Physical Education	<u>Required</u>	
_____ 3.	US History or _____ AP US History	_____	_____
_____ 4.	_____ Required Math	_____	_____
_____ 5.	_____ Required Science	_____	_____
<u>X906</u> _____ 6.	Lunch	<u>Required</u>	
_____ 7.	_____ full year or two semester electives 7a. _____ 7b. _____		
_____ 8.	_____ full year or two semester electives 8a. _____ 8b. _____		
List (3) alternate choices if a course cannot be scheduled. Failure to complete alternate course choices may result in your counselor selecting a course for you in the event of a schedule conflict.			
(1) _____	(2) _____	(3) _____	

Course request changes will not be accepted after March 23, 2018. Changing a course due to the teacher assigned is not permitted at any time.

Last Name (print) First Name Student Signature/Date Counselor Signature/Date

Parent/Guardian Name(s) Parent/Guardian Signature /Date

Telephone: Home: _____ Work: _____ Cell: _____ e-mail: _____

By law, each school district must provide the following information: name, address and telephone number to military recruiters and institutions of higher learning that request it. Unless parents/guardians indicate that they do not wish to have this information disclosed. Please sign below if you **do not** wish for this information to be released.

Parent/Guardian Signature Date

**THIS FORM HAS A
DUE DATE OF
February 27, 2018**

Neshannock High School
2018 – 2019
Preliminary Registration Form
Twelfth Grade

**FAILURE TO RETURN THIS
REQUEST FORM BY THE DUE
DATE WILL RESULT IN YOUR
COUNSELOR SELECTING A
SCHEDULE FOR YOU!!!**

Student # _____ Homeroom _____

Students are **required** to carry six solid subjects plus physical education or their equivalent each year as defined by the curriculum guide. **Students must have the teacher recommendation portion of this form signed by their current teacher in each of the core subject areas (Math, Science, Social Studies and English), unless the course is required, before their requests will be processed.**

Reminder: All students are required to accumulate 4 math credits, 4 English credits, 4 social studies credits, 3 science credits, 1.5 technology credit, take 5 other elective credits and complete a 1 credit graduation project. Students need to accumulate a total of 25 credits to be eligible for graduation from Neshannock High School.

	Teacher Recommendation	
	<u>Recommend</u>	<u>Do not Recommend</u>
	<i>Current percent</i>	<i>Current percent</i>
_____ 1. English 12 (Gen., C. Prep, AP)	_____	_____
_____ 2. Physical Education	<u>Required</u>	
_____ 3. Required Social Studies	_____	_____
_____ 4. _____ Required Math	_____	_____
_____ 5. _____ Required Elective (Science Recommended)	_____	_____
<u>X906</u> 6. Lunch	<u>Required</u>	
_____ 7. _____ full year or two semester electives 7a. _____ 7b. _____		
_____ 8. _____ full year or two semester electives 8a. _____ 8b. _____		

List **(3)** alternate choices if a course cannot be scheduled. **Failure to complete alternate course choices may result in your counselor selecting a course for you in the event of a schedule conflict.**

(1) _____ (2) _____ (3) _____

Course request changes will not be accepted after March 23, 2018. Changing a course due to the teacher assigned is not permitted at any time.

Last Name (print) First Name Student Signature/Date Counselor Signature/Date

Parent/Guardian Name(s) Parent/Guardian Signature /Date

Telephone: Home: _____ Work: _____ Cell: _____ e mail _____

By law, each school district must provide the following information: name, address and telephone number to military recruiters and institutions of higher learning that request it. Unless parents/guardians indicate that they do not wish to have this information disclosed. Please sign below if you **do not** wish for this information to be released.

Parent/Guardian Signature Date

Course Criteria Waiver Policy

In the event that a student does not meet the criteria for selection for a course which they have chosen, the following may occur:

- A. The student's parent/guardian will be asked to inform the building principal, in writing, of their request and will be required to submit the signed Course Criteria Waiver Consent form.
- B. The student may be placed in the requested course for the entire school year with the expectation and understanding that the student will complete the course, regardless of the obtained grade.

Course Criteria Waiver Consent Form

Date _____

I understand that _____ has not met the established criteria for placement in the _____ course (number _____) for the 2018-2019 school year. However, I would like to have _____ placed in a section of this course for the upcoming school year regardless of the criteria established and outlined in the 2018-2019 Neshannock Jr/Sr High School Program of Study. I feel my child should be placed in this requested course for the following reasons:

I understand that this course may involve a hierarchy of skills and/or concepts that are necessary for student success. I understand that if my child is permitted to schedule into the requested course, he/she will be in the course for the entire year and no schedule change will be permitted, regardless of the obtained grade.

Parent/Guardian Signature

Date

Student Signature

Date

DEFINITION OF TERMS

NONDISCRIMINATION POLICY

HANDICAPPED STUDENTS POLICY

SCHEDULING ELECTIVE COURSES POLICY

SCHEDULE CHANGES

GRADUATION REQUIREMENTS

GRADUATION PROJECT

CREDIT REQUIREMENTS

CLASS RANK & QUALITY POINT AVERAGE (QPA)

CURRICULA

**LAWRENCE COUNTY CAREER and TECHNICAL
CENTER TRANSFER POLICY**

**UNIVERSITY OF PITTSBURGH
COLLEGE IN HIGH SCHOOL PROGRAM
ADVANCE PLACEMENT (AP) CHEMISTRY/LAB**

WORK RELEASE

DUAL ENROLLMENT

NCAA COURSE OF STUDY FOR ATHLETES

COLLEGE TESTING TERMS

PENNSYLVANIA SYSTEM OF STATE ASSESSMENT (PSSA)

NONDISCRIMINATION POLICY

Neshannock Township School District is an equal opportunity education institution and will not discriminate on the basis of race, color, national origin, sex, age, or handicap in its activities, programs, or employment practices as required by Title IV, Title IX, and Section 504.

For information regarding civil rights or grievance procedures, contact Dr. Terence P. Meehan. For Title IX questions or concerns contact Mr. Luca Passarelli; and for Section 504 questions or concerns, contact Mrs. Concetta Fiorante at 3834 Mitchell Road, New Castle, PA 16105 (724-658-4793). For information regarding services, activities, and facilities that are accessible to and usable by handicapped persons, please contact Mrs. Concetta Fiorante, Director of Pupil Services (724-658-4793, ext. 5106).

HANDICAPPED STUDENTS POLICY

A protected handicapped student is a student who is school age with a physical or mental disability, which substantially limits or prohibits participation in or access to any aspect of the school program.

In compliance with State and Federal Law, the School District will provide to each protected handicapped student, without discrimination or cost to the student or family, those related aides, services, or accommodations which are needed to provide equal opportunity to participate in and obtain the benefits of the school program and extracurricular activities to the maximum extent appropriate to the student's abilities. These services and protections for "protected handicapped student" are distinct from those applicable to all eligible or exceptional students enrolled (or seeking enrollment) in special education programs.

For further information on the evaluation procedures and provisions of services to protected handicapped students, contact Mrs. Concetta Fiorante, Director of Pupil Services, Neshannock Township School District (724-658-4793, ext. 5106).

SCHEDULING ELECTIVE COURSES POLICY

Courses that have 10 or more student requests may be scheduled. Courses that have fewer than 10 student requests will be scheduled at the discretion of the High School Principal. Factors that may be considered include: teacher availability, number of student requests, and available resources.

SCHEDULE CHANGES

Any student who withdraws from a class **after** the first week of school will be issued a withdraw fail in the class and no credit will be awarded. The percent score at time of withdrawal will be entered on the permanent record card.

GRADUATION REQUIREMENTS

Neshannock High School requires the completion of 25 credits. These totals include the required physical education credit accumulated by carrying physical education each year and health and driver education in the sophomore year and a credit for the completion of the graduation project senior year and a credit for the completion of the graduation project the senior year.

GRADUATION PROJECT

All students must complete a graduation project as required by the State Board of Education Regulations (22 PA Code, Chapter 4, Section 214) and as identified in the District's Strategic Plan. Beginning with the class of 2006, the graduation project will be a cumulative 4-year project as defined in the graduation project handbook. One credit will be awarded at the completion of the project.

CREDIT REQUIREMENTS

Attendance: A student who has been absent from school or any class during a school year for a total of 40 days/1 credit class or 20 days/.5 credit class, shall not be eligible for credit. Students on "homebound" instruction or cyber school are not considered absent from school.

Grade Earned: A student who earns a percent score of 60% or higher is eligible for credit providing no previous credit has been awarded for that subject and providing the subject is a part of the curriculum for grades 9-12 or is approved by the principal for credit.

CLASS RANK & QUALITY POINT AVERAGE (QPA)

A student's Quality Point Average is computed each semester and final grades earned for all subjects beginning with grade 9. Report cards reflect a student's Quality Point Average during each 9 weeks. If a student repeats a course, the higher percentage is used.

Beginning with the graduating class of 2010, class rank will no longer be calculated. Students will no longer be penalized when applying for scholarships or admission to post secondary institutions. These institutions will be able to base selection entirely on grade point average and college entrance exams.

Weighted Courses – Advanced Placement (AP) courses are college-level courses taught in high school. Neshannock offers the following AP courses: AP English, AP Calculus AB, AP Chemistry, AP Biology, AP United States History, and AP Art History. Because these courses are more academically challenging, the grades earned in these courses will be weighted when determining a student's Quality Point Average. The percentage grading system will reflect a 10% additive for AP courses.

Honors courses are offered in grades 9 – 12 in English, math, accounting, and social studies. Since Honors courses require additional work and are more academically challenging than a non-honors level course, a 5% additive is given to the percentage score earned.

CURRICULA

Neshannock High School offers a variety of courses in the academic, scientific, business, and technical curricula areas. Students and parents should plan course selection carefully. The services of two guidance counselors are available to assist students and their parents in making choices that will be most beneficial to meet each student's needs.

Vocational or technical curricula are offered at the Lawrence County Career and Technical Center. Neshannock students in grades 9 and 10 may apply for any of the programs offered. This full-time school meets State requirements for the high school diploma and with careful planning can satisfy entrance requirements to a variety of post-secondary schools.

LAWRENCE COUNTY CAREER and TECHNICAL CENTER TRANSFER POLICY

Students applying to Lawrence County Career and Technical Center should be aware that once they start at the Career and Technical Center, it is strongly recommended that students remain at the Career and Technical Center for the completion of the year. Since course grades and curriculum cannot be determined on a part-semester basis, students electing the Career and Technical Center will complete the current semester.

UNIVERSITY OF PITTSBURGH

College in High School Program

Advanced Placement (AP) Chemistry/Lab

All students in AP Chemistry may elect to enroll in the University of Pittsburgh's College in High School Program. Through this program, students will take Pitt's four-credit course CHEM 0110. There is a fee for the program and it is the responsibility of the student.

Neshannock's AP Chemistry course is also a participant in Butler County Community College's Articulation Program. Through this program, students who attend BC3 may receive credit for CHEM 101 based solely on their performance in AP Chemistry rather than their score on the AP exam.

SETON HILL UNIVERSITY

College in High School Program

Seton Hill University College in High School Program has partnered with Neshannock High School and is designed to accelerate top **junior and senior** level students to college-level academic preparation while taking high level high school courses. It is our sincere goal to provide the students of the Neshannock Township School District every opportunity to excel academically and develop the foundation to compete in universities and colleges across the globe. This program is an example of our efforts to help our students get a head start with their higher education.

The program leads to actual credits earned for many freshmen level courses which are required by most universities. Students may be able transfer the credits to the college or university of their choice. Not all colleges accept transfer credits so it is parent/student responsibility to weigh the options of this program.

Neshannock currently is approved for Seton Hill University credits for juniors and seniors enrolled in these Neshannock High School courses. Grades on the Seton Hill University transcript are without the added percent.

AP US History, Honors Pre-Calculus, AP Calculus, Honors Statistics, AP English, Honors Accounting II, Honors English 11, AP Economics, and AP Biology.

DUQUESNE UNIVERSITY

College in High School Program

Duquesne University College in High School Program has partnered with Neshannock High School and is designed to accelerate top junior and senior level students to college-level academic preparation while taking high level high school courses. It is our sincere goal to provide the students of the Neshannock Township School District every opportunity to excel academically and develop the foundation to compete in universities and colleges across the globe. This program is an example of our efforts to help our students get a head start with their higher education. The program leads to actual credits earned for many freshmen level courses which are required by most universities. Students may be able to transfer the credits to the college or university of their choice. Not all colleges accept transfer credits so it is parent/student responsibility to weigh the options of this program.

Neshannock currently is approved for Duquesne University credits for juniors and seniors enrolled in these Neshannock High School courses. Grades on the Duquesne University transcript are without the added percent.

Honors Statistics

WORK RELEASE PROGRAM

Seniors who have a minimum of 18 credits as a senior are eligible to apply for the work release program. Applications are available AFTER the first grading period of their senior year.

Seniors must be passing all classes with a 70% or better during the first grading period, have no more than 4 absences, no more than 3 tardies to school, and no serious discipline reports. After work release is granted, students must maintain a similar absence, attendance, academic, and discipline record. Continuation of the work release program throughout the year is at the discretion of the administration and the guidance department.

DUAL ENROLLMENT

Dual enrollment involves participation of a plan that facilitates the student meeting high school graduation requirements at Neshannock while also completing college classes at a local institution. Participation in a dual enrollment plan requires thorough planning with the student's counselor, principal, and parent/guardian. Students must meet eligibility criteria to participate and must have all courses pre-approved by administration. Neshannock High School currently has Dual Enrollment agreements with: Penn State Shenango, Butler County Community College, Slippery Rock University, Clarion University, and Westminster College. Application and more information can be found in the guidance office and on the District's web-site.

NCAA COURSE OF STUDY FOR ATHLETES

KNOW THE RULE:

Core Courses

- Starting August 1, 2008, **16 core courses** will be required for NCAA Division I only. This rule applies to any students first entering any Division I college or university on or after August 1, 2008. See the chart below for the breakdown of this 16 core-course requirement.
- **14 Core courses are required in NAA Division II.** See the breakdown of core course requirements below.

Test Scores

- Division I has a sliding scale for test score and grade-point average. The sliding scale for those requirements is shown on page two of this sheet.
- Division II has a minimum SAT score requirement of 820 or an ACT sum score of 68.
- The SAT score used for NCAA purposes includes only the critical reading and math sections. The writing section of the SAT is not used.
- The ACT score used for NCAA purposes is a sum of the four sections on the ACT: English, math, reading and science.
- All SAT and ACT scores must be reported directly to the NCAA Initial-Eligibility Clearinghouse by the testing agency. Test scores that appear on transcripts will no longer be used. When registering for the SAT or ACT, use the clearinghouse code of 9999 to make sure the score is reported to the clearinghouse.

Grade-Point Average

- Only core courses are used in the calculation of the grade-point average.
- Be sure to look at your high school's list of NCAA-approved core courses on the clearinghouse web site to make certain that the courses being taken have been approved as core courses. The web site is www.eligibilitycenter.org.
- Division I grade-point average requirements are listed on the next page.
- The Division II grade-point average requirement is a minimum 2.000.

Division I

16 Core-Course Rule

16 Core Courses:

4 years of English
3 years of mathematics (Algebra I or higher)
2 years of natural/physical science (1 year of lab if offered by high school)
1 year of additional English, mathematics or natural/physical science
2 years of social science
4 years of additional courses (from any area above, foreign language or non doctrinal religion/philosophy)
Earn minimum GPA in core courses and
Earn SAT/ACT Score... See Attached

Division II

14 Core-Course Rule

14 Core Courses:

3 years of English
2 years of mathematics (Algebra I or higher)
2 years of natural/physical science (1 year of lab if offered by high school)
2 years of additional English, mathematics or natural/physical science
2 years of social science
3 years of additional courses (from any area above, foreign language or non doctrinal religion/philosophy)

Students Enrolling on or After August 1, 2016

The initial-eligibility standards for NCAA Division I college-bound student-athletes changed effective **on or after August 1, 2016, in order to receive athletics aid (scholarship), practice or compete during their first year.**

There will be three possible initial-eligibility outcomes:

- **Qualifier:** May receive athletics aid (scholarship), practice and compete in the first year of enrollment at the Division I college or university.

- **Academic Redshirt:** May receive athletics aid (scholarship) in the first year of enrollment and may practice in the first regular academic term (semester or quarter) but may *not* compete in the first year of enrollment. The student-athlete must successfully complete nine semester hours or eight quarter hours in the initial term at his/her college or university to continue to practice in the next term.

- **Nonqualifier:** Cannot receive athletics aid (scholarship), practice or compete in the first year of enrollment.

Effective August 1, 2016, the new requirements are as follows:

Qualifier must:

- Complete 16 core courses (same distribution as in the past);
- Ten of the 16 core courses must be completed before the start of the seventh semester (senior year) of high school.
- Seven of the 10 core courses must be English, math or natural or physical science.
- Have a minimum core-course grade-point average of 2.300;

- Grades earned in the 10 courses required before the seventh semester are “locked in” for purposes of grade-point average calculation.
- A repeat of any of the “locked in” courses will not be used to improve the grade-point average if the repeat occurs after the seventh semester begins.
- Meet the sliding scale of grade-point average and ACT/SAT score; and
- Graduate from high school.

Academic Redshirt must:

- Complete the 16 core-course requirement;
- Have a minimum core-course grade-point average of 2.000;
- Meet the sliding scale of grade-point average and ACT/SAT score; and
- Graduate from high school.

Student-athletes who fail to meet the required 10 core courses prior to the start of the seventh semester (seven of which must be in English, math, or natural or physical science), will be allowed to retake core courses in the seventh or eighth semester, which will be used in their academic certification for the purposes of meeting the academic redshirt requirements.

Nonqualifier: Fails to meet the standards for a qualifier or for an academic redshirt.

For more information regarding the rules, please go to www.ncaa.org. Click on “Academics and Athletes:” then “Eligibility and Recruiting.” Or visit the clearinghouse web site at www.eligibilitycenter.org.

Please call the NCAA Eligibility Center if you have questions:

Toll-free number: 1-877-262-1492

Fee Waivers available for eligible students AFTER they receive a fee waiver for SAT/ACT and have a test score.

Neshannock High School Code: 392-902

Core Grade-Point Average/Test-Score New Core GPA/Test Score Index Prior to August 1, 2016		
Core GPA	SAT- Verbal & Math Only	ACT
3.550 & above	400	37
3.525	410	38
3.500	420	39
3.475	430	40
3.450	440	41
3.425	450	41
3.400	460	42
3.375	470	42
3.350	480	43
3.325	490	44
3.300	500	44
3.275	510	45
3.250	520	46
3.225	530	46
3.200	540	47
3.175	550	47
3.150	560	48
3.125	570	49
3.100	580	49
3.075	590	50
3.050	600	50
3.025	610	51
3.000	620	52
2.975	630	52
2.950	640	53
2.925	650	53
2.900	660	54
2.875	670	55
2.850	680	56
2.825	690	56
2.800	700	57
2.775	710	58
2.750	720	59
2.725	730	59
2.700	730	60
2.675	740-750	61
2.650	760	62
2.625	770	63
2.600	780	64
2.575	790	65
2.550	800	66
2.525	810	67
2.500	820	68
2.475	830	69
2.450	840-850	70
2.425	860	70
2.400	860	71
2.375	870	72
2.350	880	73
2.325	890	74
2.300	900	75
2.275	910	76
2.250	920	77
2.225	930	78
2.200	940	79
2.175	950	80
2.150	960	80
2.125	960	81
2.100	970	82
2.075	980	83
2.050	990	84
2.025	1000	85
2.000	1010	86

COLLEGE TESTING TERMS

Neshannock High School Code: 392-902

ADVANCED PLACEMENT EXAMS

There are twenty-four examinations offered by The College Board in the Advanced Placement (AP) Program.

All AP Exams (except Studio Art) contain both multiple-choice questions and free-response questions that require essay-writing, problem-solving, and other skills. AP exams are given every year at the Senior High School during two weeks in May.

Every examination receives an overall grade on a five-point scale: 5 (extremely well-qualified), 4 (well-qualified), 3 (qualified), 2 (possibly qualified), and 1 (no recommendation). Upon student request, Grade Reports are sent in early July to each student's home address, school, and to his/her college. Many colleges grant credit and/or advanced placement to students whose AP examination grades are considered acceptable.

Students who choose to take an AP examination must register to do so and assume the related costs.

Fee waivers are available to students whose family meets eligibility guidelines. Please see the high school guidance counselor for details.

ACT

The ACT measures a student's ability in the subject areas of English, Mathematics, Reading, Writing, and Science Reasoning.

ACT scores are reported on a standard scale that ranges from 1 to 36. The arithmetic average of the scores on the four tests is the ACT composite score, which is often used as a measure of overall academic ability. Scores are organized into Individual Student Profile Reports, which are sent to the students and to colleges.

The English Test measures students' understanding and use of the basic elements of correct and effective writing in usage/mechanics and rhetorical skills.

The Mathematics Test measures students' mathematical reasoning and problem-solving abilities.

The Reading Test measures reading comprehension abilities in the following areas: Social Studies/Science, Arts/Literature.

The Science Reasoning Test measures students' critical reasoning and problem-solving skills required in the natural sciences.

The ACT is typically given to high school juniors and seniors. It is given in Neshannock School District in October and June.

Students who choose to take this exam must register to do so and assume the related costs. Registration materials are available in the guidance office or on the website www.act.org.

Fee waivers are available to students whose family meets eligibility guidelines. Please see the high school guidance counselor for details.

PSAT and the NATIONAL MERIT SCHOLARSHIP QUALIFYING TEST (NMSQT)

The PSAT is a multiple-choice examination. It measures verbal, writing, and mathematical abilities important for academic performance in college. The questions test ability to reason with facts and concepts rather than recall them. The test is given annually in October, and may be useful as a practice test for the SAT.

The PSAT also serves as the National Merit Scholarship Qualifying Test for juniors in a nationwide competition for recognition, awards, and scholarships.

High school juniors take the PSAT/NMSQT in October. Ninth and tenth graders may elect to take the test as practice; however, their scores are not applicable to the NMSQT.

Students who choose to take the PSAT/NMSQT must register to do so with the guidance department and assume the related costs.

Fee waivers are available to junior students whose family meets eligibility guidelines. Please see the high school guidance counselor for details.

SAT

The SAT is an entrance examination used by many colleges and universities. There are two scored sections on the new SAT: Evidence Based Reading/Writing and Math and an optional Essay. Each section is scored 200 to 800 with a perfect score being 1600 and the Essay will score separate as 1-4.

The Evidence Based Reading and Writing sections are broken down into two testing portions: Reading and then Writing and Language Test which focuses on reading comprehension and vocabulary. It includes a 4 single passages and 1 paired passage in areas of Literature, History & Social Studies, a Founding Document /Great Global Conversation and/or Science. In addition, there are 52 multiple choice questions and 1-2 graphics per test to analyze or interpret.

The Writing Section will test students' knowledge of grammar rules and of the elements of effective writing. Students will be asked to correct errors in sentence structure, usage, and punctuation or to improve development and organization of a passage. The Writing portion is made up of 4 passages and 44 multiple choice questions.

The SAT Math Test tests upper level math rather than have students recall basic math. It includes concepts from Algebra, Problem Solving and Data Analysis, Passport to Advanced Math, and additional Topics in Math. There is a Calculator section and a No Calculator Permitted Math section. There are a total of 45 multiple choice questions and 13 student-produced response questions.

The SAT Reasoning Test is typically given to high school juniors and seniors. It is given at Neshannock School District in August, November, December, March, May, and June. Students who choose to take this exam must register to do so and assume the related costs. Registration materials are available in the guidance office or on the website www.collegeboard.org

Fee waivers are available to students whose family meets eligibility guidelines. Please see the high school guidance counselor for details.

SAT SUBJECT TESTS

These tests measure a student's knowledge of a particular subject and one's ability to apply that knowledge. The tests offered are:

World History	Chinese
Literature	German
Modern Hebrew	Korean
Japanese	Latin
Spanish	French
Mathematics Level 1	Biology
Mathematics Level 2	Italian
Chemistry	Physics
United States History	

Some colleges require various combinations of SAT Subject Tests for admission and/or placement purposes. Each test is a one-hour multiple-choice examination in a specific subject area. SAT Subject Tests are given in November, December, April, May, and June of each year at Neshannock High School.

High school students usually take SAT Subject Tests following the completion of their last course in a particular subject. SAT Subject Tests are published by the Educational Testing Service of the College Board in Princeton, New Jersey.

Students who choose to take this test must register to do so and assume the related costs. Registration materials are available in the guidance office or on the website www.collegeboard.org

Fee waivers are available to students whose family meets eligibility guidelines. Please see the high school guidance counselor for details.

Assessment Prep

Assessment Prep will be scheduled opposite Driver's Education and Health for all grade 10 students or every other day during instead of full time study hall or opposite a part time class. Assessment Prep will focus on a combination of SAT/ACT prep and/or Keystone remediation.

The course will be counted as an elective credit and is also included in overall GPA.

**For more information, call
Mrs. DeVincentis at
724-658-5513 ext. 5115**

Keystone Exams

The Keystone Exams are end-of-course assessments designed to assess proficiency in various subjects. During the 2018-2019 school year the following Keystone Exams will be available: Algebra I, Literature and Biology. In future years additional Keystone Exams will be administered. The Keystone Exams are one component of Pennsylvania's system of high school graduation requirements. Keystone Exams will help school districts guide students toward meeting state standards. Students are eligible to attempt to pass the Keystone Exams three (3) times.

Student scores and performance levels will be recorded on student transcripts.

The Keystone Exam is administered three times throughout the year (winter, spring and summer).

ART

COURSES OFFERED

Introduction to Art	No. A709
Jewelry	No. A710
Ceramics I	No. A711
Multicultural Crafts	No. A712
Two D and Three D Explorations	No. A713
Computer Graphics	No. A714
Advanced Painting and Drawing	No. A715
Ceramics II Wheel	No. A716
Digital Photography	No. A718
AP Art History	No. O700
Commercial Art & Design (School Newspaper)	No. X909

When considering your selection for enrolling in classes within the art department please visit <http://artshow.smugmug.com> or scan the code below with your phone. You will see student art work from all the course offerings.



Introduction to Art

No. A709

Elective 9, 10, 11, 12

This is a full year, full time, one credit course.

This is a great class to take to discover your interests in the art field. Improve your drawing skills, learn about the elements of art (line, shape, color, texture, value, and form) and use these to create designs, drawings, and paintings. You will use a variety of two- and three-dimensional media including pencil, colored pencil, chalk, pastel, oil pastel, paint clay, plaster, and wire. Learn to create both realistic and abstract pieces of art. The projects are designed to develop student's confidence while allowing for imagination and creativity.

Criteria for Selection: None

Jewelry

No. A710

Elective: 9, 10, 11, 12

This is a single semester, full time, 1/2 credit course.

If you would like to create jewelry for you and your friends you will enjoy this class. We will design and fabricate paper, ceramic, and recycled jewelry as well as copper enameled pieces. We will create, mold, and cast pewter jewelry. You will learn to design, saw, solder, and buff the metal jewelry into a shiny wearable work of art. We will make rings, bracelets, bow biters, pines, and more.

Criteria for Selection: None

Multicultural Crafts

No. A712

Elective: 9, 10, 11, 12

This is a single semester, full time, 1/2 credit course.

“Tour the World” by studying and creating traditional craft projects such as Japanese Kites and printmaking. Experience the Japanese tea ceremony, Ukrainian egg decorating, masks, make paper metal jewelry, candles and batik, tie dye and calligraphy. No drawing in this course.

Criteria for Selection: None

Two D and Three D Explorations **No. A713**

Elective: 9, 10, 11, 12

This is a full year, full time, one credit course.

Are you a doodler who loves to sketch? First semester we will focus on improving your drawing and composition skills by studying the elements of art. Various subject matters, from still life arrangements to figures, portraits, landscapes, and abstract concepts will be explored. You will use a variety of 2-D media such as pencil, colored pencil, chalk, pastel, and pen and ink to create both realistic and abstract images. Second semester we will work on projects that get your hands “dirty”. Various sculptural and 3-D design techniques and media such as plaster paris-craft, masks, mobiles, found object sculptures, pop-up books, clay sculptures, and carved styrofoam blocks will be used. Learn to carve, mold, and construct.

Criteria for Selection: None

Ceramics I No. A711
Elective 9, 10, 11, 12
This is a full year, one-half time, 1/2 credit course.

In this course we will create hand built clay mugs, bowls, containers, teapots, clay sculptures, and more. Learn to recycle, fire and glaze pottery. There is a limit of 15 students for this class.

Criteria for Selection: None

Computer Graphics I No. A714
Elective: 9, 10, 11, 12
This is a single semester, full-time, 1/2 credit course.

Are you fascinated by signs, posters, CD artwork and creative text? Then this is the course for you! In Computer Graphics you will learn how to manipulate, edit, and adjust images using Photoshop. You will use layers and learn how to apply effects and filters to create creative works of art. There is a limit of 15 students in this course. Assessment is based on the Pennsylvania Core Standards.

Criteria for Selection: None

Advanced Painting and Drawing No. A715
Elective: 10, 11, 12
This is a full year, one-half time, one credit course.

This course is designed to provide a more in-depth approach to two-dimensional artwork. This will be for our students who are interested in taking their creative talents to a higher level.

Criteria for Selection: Introduction to Art or Two D and Three D Explorations

AP Art History No. O700
Elective: 10, 11, 12
This is a full year, full time, one and one half credit course.

AP Art History is designed to provide the same benefits to secondary school students as those provided by an introductory college course in art history: an understanding and enjoyment of architecture, sculpture, painting, and other art forms within historical and cultural contexts. In the course, students examine major forms of artistic expression from the past and present and from a variety of cultures.

Criteria for Selection: Instructor Approval

Commercial Art & Design No. X 909
(School Newspaper)
Elective: 9, 10, 11, 12
This is a full year, one credit course.

This class will focus on the commercial art approach to creating an online news page and a hardcopy publication of the Junior/Senior High School newspaper. Students will develop writing skills, take and edit digital photos. Students will learn to work as a team to report school news, write features, editorials, as well as sports and academic achievements. Students will create political and editorial cartoons. Students will learn graphic design, layout concepts and editing criteria necessary to produce an impressive publication. If you are someone who enjoys writing or someone who likes to draw, create and design things this course is for you. This course counts as one technology requirement necessary for graduation.

Criteria for Selection: One required technology credit.

Ceramics II Wheel Thrown **No. A716**

Elective: 10, 11, 12

This is a full year, one-half time, 1/2 credit course.

Become a potter with the ability to create cups, bowls, vases, and much more. New approaches to sculpting and glazing techniques will be learned.

Criteria for Selection: Ceramics I

Digital Photography **No. A718**

Elective 10, 11, 12

This is a full year, part-time, 1/2 credit course.

If you love to take photographs and edit images but the darkroom is really not up your alley try our digital photography class! In this class we will learn the basic compositional elements to get the most from your digital pictures. Adobe Photoshop will be used to manipulate images, edit out unwanted backgrounds and collages photos together. There is a limit of 25 students for this class. Assessment is based on the Pennsylvania Core Standards

Criteria for Selection: None

BUSINESS, COMPUTERS, AND INFORMATION TECHNOLOGY

COURSES OFFERED

Computer Skills and Applications	No. B109
Personal Finance	No. B610
Computer Accounting I	No. B611
Entrepreneurship	No. B614
Sports & Entertainment Management	No. B615
Multi-Media Web Page Design	No. B616
Honors Advanced Accounting	No. B617
Business Law	No. B618

Computer Skills and Applications No. B109
This is a full-year, part-time course, required for grade 9 and for graduation (1/2 credit).

This course will expand basic and intermediate computer concepts using both Google Apps and MS Office. Students learn to create and manipulate word processing documents (including business letters, research papers, bibliographies, and outlines), spreadsheets (including formulas, functions, formatting, etc.), and various graphics designs using MS Office 2013 and Google Apps software.

Criteria for Selection: None

Computer Accounting I No. B611
Elective: 10, 11, 12
This is a full-time, full year, 1 credit course.

Computer Accounting I is designed to provide students a strong foundation in accounting principles. The fundamentals are presented using the accounting cycle approach. Students will learn the use of transactions and how accountants use a double-entry system (debits and credits) to keep track of these transactions. Students apply accounting concepts to various types of business from sole proprietorships to corporations. The handling of cash, the use of special journals, payroll and taxes, and checking accounts will be covered. Also, students will learn how to prepare financial statements and close out a fiscal period. Many accounting problems and projects are handled on the computer as the topics are presented. This course prepares students for post-secondary accounting courses and is **strongly recommended** for any student who plans to major in a business related field.

Criteria for Selection: Recommended as an elective for students interested in majoring in accounting or any business related field.

Personal Finance No. B610
Elective 9, 10, 11, 12
This is a one-semester, 1/2 credit course.

The purpose of this course is to enable students to develop the skills necessary to manage their own finances. Students will investigate ways to make their money work for them. Topics include career decisions, money management, investments, credit management, stock market investing, identity theft, and consumer rights/responsibilities. Students will use a variety of computer applications including web-based financial literacy software in their learning activities and projects.

Criteria for Selection: None

Multi-Media Web Page Design No. B616
Elective: 9, 10, 11, 12
This is a one-semester, 1/2 credit course.

Have you ever wanted to create your own web page? Are you interested in learning a programming language? This class will equip students with the skills necessary to plan, create, and maintain a well-designed web site. The skills of acquiring, processing, and communicating information to others are extremely important skills for students and workers in today's technological world. The course includes using both HTML language along with learning Adobe Macromedia Dreamweaver software to create dynamic, interactive web pages containing text, images, hyperlinks, animation, sounds, and other elements.

Criteria for Selection: None

Entrepreneurship**No. B614****Elective: 9, 10, 11, 12****This is a one-semester, ½ credit course.**

Have you ever thought about starting your own business? In this course, students will gain an understanding of the business/marketing principles necessary to start and operate a business. They will develop an awareness of the opportunities for small business ownership and develop the planning skills needed to operate a small business. Exploration of traits and characteristics of successful entrepreneurs, as well as strategies of business management and marketing along with the economic role of the entrepreneur in the market system will be covered. This course is intended for anyone interested in owning or operating their own business or a career in a business related field.

Criteria for Selection: None**Sports & Entertainment Management** No. B615**Elective: 9, 10, 11, 12****This is a one-semester, ½ credit course.**

This course will help students develop a thorough understanding of the marketing and management concepts and theories that apply to the exciting world of sports and entertainment. Complete coverage of marketing functions and techniques as applied specifically to the areas of sports and entertainment will be covered in this class to provide the skills and insight need for these rapidly growing industries. Students will be offered a wide range of experience in such diverse areas as project management, sales, promotion, advertising and marketing. Any student interested in preparing for a business or sports related career would benefit from this elective.

Criteria for Selection: None**Honors Advanced Accounting****No. B617****Elective: 11, 12****This is a full-year, full time, 1 credit course.****This course is offered for Seton Hill College Credit**

Honors Advanced Accounting is an elective course intended for students with determined career objectives in the field of business or in the accounting profession. At this level, the complete accounting cycle is mastered, and students learn more advanced and complex accounting principles. Using manual and computer skills, students perform accounting skills which cover the areas of departmental and payroll accounting, accounting for adjustments, accounting on the accrual basis, as well as partnership and corporate accounting methods. Using accounting software, students will complete one automated simulation.

Criteria for Selection: Computer Accounting I with a grade of 80% or better.

Seton Hill University: Juniors and Seniors in Honors Advanced Accounting may elect to enroll in the Seton Hill University College within the High School Program. Students/parents (or guardians) are responsible for any applicable costs. Through this program students may earn 3 credits for SHU course SBU 100 – Honors Accounting. Grades posted to SHU are without the 5% additive for Neshannock High School honors courses. Students must obtain a final grade average of 70% or higher (without the 5% additive) to be awarded SHU credit.

Business Law
Elective: 11, 12

No. B618

This is a full-time, full year, 1 credit course

Business Law is a full year course designed to provide students the opportunity to know their legal, personal, and business rights. This course will focus on understanding legal procedures, recognizing situations that call for legal advice, understanding precise legal language, analyzing and summarizing complete legal situations and learning the court system. Possible topics may include but are not limited to: making and terminating contracts, responsibilities of minors, being a consumer, employer-employee relationships, personal and real property rights, and legal responsibilities associated with ownership of a business. **Required** participation in the PA Bar Association **Young Lawyers Division Mock Trial Competition will be an instrumental part of the course.** This course **is strongly recommended** for any student who plans to major in a business related field.

Criteria for Selection: None

DRIVER EDUCATION

COURSES OFFERED

Classroom Driver Education

No. X900

Classroom Driver Education No. X900
Required: 10th grade, one semester part
time .25 credit.

The Neshannock Township School District understands the importance of the automobile in today's society. With this in mind the driver training program is offered to inform and develop knowledge and attitude as it pertains to our country's Highway Transportation System.

The safe operation of a motor vehicle; Pennsylvania driving laws; defensive driving procedures; legalities and responsibilities associated with the safe operation and ownership of a motor vehicle will be omnipotent. The use of alcohol, drugs, cell phones and texting as they relates to driving, monitoring of the gauges on the instrument panel, and the upkeep of the motor vehicle are valuable units.

The legal, ethical, and financial responsibilities of a driver are covered in detail. Defensive driving philosophy and tactics; ownership and maintenance of a vehicle; fundamentals of various driving maneuvers; specific Pennsylvania laws, fees, deadlines, and procedures; differences and adjustments for the various kinds of driving areas and conditions; economy tips and practices will receive extensive scrutiny by the perspective drivers.

Criteria for Selection: None

ENGLISH

The study of English at Neshannock is of a sequential nature; therefore, students who earn a passing grade (60% or equivalent of a D or higher) may continue to the next level. Students who do not earn a passing grade may repeat the level failed by summer school work. Students are not permitted to schedule two levels of English during the same academic year.

COURSES OFFERED

English 9	No. E109
Honors English 9	No. O109
English 10	No. E110
Honors English 10	No. O110
College Prep English 11	No. E211
Honors English 11	No. O111
College Prep English 12	No. E212
AP English 12	No. O112

English 9
Required

No. E109

This is a full year, full time, one credit course.

In ninth grade, students study literature units which include short stories, non-fiction, and poetry. Major works include *Romeo and Juliet* and *To Kill a Mockingbird*. In preparation for college and challenging non-fiction works, students will expand their vocabularies through regular study of Common Core words. Students will also continue to practice organizing their thoughts into cohesive unified essays and will write their first MLA style research paper utilizing non-fiction essays and information from guest speakers.

Criteria for Selection: None

Honors English 9

No. O109

This is a full year, full time, one credit course.

Honors ninth grade English is for students who have demonstrate outstanding ability in English skills as 8th graders. In addition to the regular curriculum, they will read supplementary works including *A Raisin in the Sun*, *Ethan Frome*, and *Great Expectations*. Emphasis will be on analysis and exposition necessary for success writing at the college level, which vocabulary instruction will enhance. The students' research paper will be in response to literature. They will also engage in a research-based speaking project.

Criteria for Selection: Students must have earned 85% or higher in 8th grade, earn an above average score on the Purdue High School English Test, and respond to a writing prompt by producing an above average narrative. Parents/guardians of students who fail to meet these standards may request admission for their child.

English 10
Required

No. E110

This is a full year, full time, one credit course.

From the earliest writings to contemporary literature, students will read a survey of world literature influenced by global events, geographical locale, and/or philosophy. In addition, students will practice different modes and styles of writing, incorporating literary techniques and devices with the literary selections as guides and examples. The survey of literature includes a study of various literary types and forms, including the novel, poetry, drama, short story, and non-fiction. Students will study and incorporate new vocabulary in their speaking and writing, write a research paper, and review standardized testing strategies.

Criteria for Selection: None

Honors English 10

No. O110

This is a full year, full time, one credit course.

Honors English 10 is specifically for students who have demonstrated outstanding ability. This course emphasizes literary analysis and expository writing. In addition, each student must write a literature-based research paper. Consequently, key components of this course are challenging reading and writing assignments and an emphasis on vocabulary development. For improved communication, students review usage, grammar, mechanics, and sentence structure as needed. For continued improvement of verbal communication, students complete a unit on speech. An Honors English 10 candidate may register for this course after successful completion of Honors English 9 or after a parent-counselor conference and upon receipt of a permission slip signed by the student's parent.

Criteria for Selection: Students must have an 85% in their previous class and teacher recommendation.

College Prep English 11**No. E211****This is a full year, full time, one credit course.**

Students will study American literature from the settlement period to the present. The course includes essays and narratives, short stories and poetry, novels and drama. The focus will be on reading for multiple levels of meaning, generating complex ideas for writing, and speaking with fluency and confidence. All students will complete a research project, a series of book reports, and public speaking exercises. In addition, students will have impromptu opportunities for speech, exercises in collaborative writing, and time for literary circles (group work on specific questions about the text for the day). Students will refine their mechanics, grammar, and usage through expository writing, oral expression, and vocabulary development.

Criteria for Selection: The student intends to attend a 4-year college after high school graduation.

Note for Juniors - You must schedule one of these junior English courses (E211, O111)

Honors English 11**No. O111****This is a full year, full time, one credit course.**

Honors English 11 is designed for those advanced students who have demonstrated outstanding ability in Honors English 10 and who wish to challenge themselves with university-level work. Both reading and writing assignments are appropriate to university study, and these assignments represent a significant time commitment outside of class. Additionally, this course is preparatory for the AP English Literature and Composition Exam, which students may take in their senior year. This course will employ a chronological study of literature with emphasis on historical events as they relate to American literature.

Assignments in this course will include numerous compositions, including research papers, timed essay exams, and in-class written responses supported by textual proof. Papers will be evaluated based on organization, logic, diction, substantiation, and standard English usage and conventions. Both class activities and critical essays will include textual analysis of structure and style, emphasizing figurative language, imagery, symbolism, tone, theme, and other literary elements. Vocabulary, grammar, and public speaking comprise secondary areas of study in this course. Vocabulary lessons focus on grade-appropriate vocabulary acquisition. Students will also examine vocabulary in context through the study of literature. Grammar and conventions, which are crucial to effective self-expression, will be studied at an advanced level and evaluated through written assignments. Students will refine their presentation skills through numerous informal and formal presentations to include documented and text-based speeches.

Criteria for Selection: Students must have earned a final grade of 90% or higher in Honors English 10 and have teacher recommendation.

Seton Hill University: Juniors and Seniors in Honors English 11 may elect to enroll in the Seton Hill University College within the High School Program. Students/parents (or guardians) are responsible for any applicable costs. Through this program students may earn 3 credits for SHU course SEL 250 – Honors English 11. Grades posted to SHU are without the 5% additive for Neshannock High School honors courses. Students must obtain a final grade average of 70% or higher (without the 5% additive) to be awarded SHU credit.

College Prep English 12

No. E212

This is a full year, full time, one credit course.

Students study British literature from *Beowulf* to the present through a chronological approach. Students write various in-class and out-of-class compositions and a research paper after reviewing research techniques. Students continue to develop college level vocabulary and engage in several speaking and reading opportunities. They also complete a resume and practice for interviews. This course is for college-bound seniors.

Criteria for Selection: Successful completion of College Prep English 11 (E211).

AP English Literature and Composition 12

No. O112

This is a full year, full time, one and one-half credit course.

This is a college-level course. Students employ an analytical approach to a chronological study of British literature. This study includes frequent test items from previous AP exams, as all students take the AP Literature and Composition test. Also, students write numerous in-class and out-of-class compositions and a research paper after reviewing research techniques. Students also learn selected vocabulary from their reading and participate in a speech unit.

Criteria for Selection: Students must have an 85% in their previous class, and teacher recommendation.

Seton Hill University: Juniors and Seniors in AP English Literature and Composition 12 may elect to enroll in the Seton Hill University College within the High School Program. Students/parents (or guardians) are responsible for any applicable costs. Through this program students may earn 3 credits for SHU course SE 103 – AP English Literature and Composition 12. Grades posted to SHU are without the 10% additive for Neshannock High School Advanced Placement courses. Students must obtain a final grade average of 70% or higher (without the 10% additive) to be awarded SHU credit.

Note for Seniors - You must schedule one of these senior English courses (E212, O112)

FAMILY AND CONSUMER SCIENCE

COURSES OFFERED

Food and Nutrition	No. A760
Creative Cooking and Design	No. A761
Introduction to Foods	No. A762
Transitional Living Consumer Science	No. R030
Child Development I	No. A764
Child Development II	No. A765
Beyond High School	No. A766

Food and Nutrition**No. A760****Elective: 9, 10, 11, 12****This is a one-semester, ½ credit course.**

Throughout the year the students will be introduced to food, science, and nutrition. Students will be introduced to the essential nutrients, food safety, and sanitation. They will be able to demonstrate their skills by planning, preparing, serving, and cleaning up in food labs.

Criteria for Selection: None**Creative Cooking and Design****No. A761****Elective: 10, 11, 12****This is a one semester, ½ credit course.**

This course is designed to allow the students' creative talents to be exercised. During the first nine-weeks the students will get the chance to travel the world of food. They will learn about the foods from other countries and how to prepare them. Some of the other ways the students can showcase their talents are by learning how to decorate a cake, present a food demonstration of a favorite recipe, and by preparing food using current trends in food preparation.

Housing and home furnishing are the focus of the second nine-weeks. Information pertinent to the design, selection of furnishings, color, and room planning for the home are provided.

Criteria for Selection: It is recommended that students take Food and Nutrition first.**Introduction to Foods****No. A762****This is a one-semester, ½ credit course.****Elective: 9, 10, 11, 12**

The focus of this course is an introduction to food preparation, measuring, reading recipes, recipe terminology, and recipe conversions. Students will be introduced to food safety, sanitation, and food borne illnesses. Students will develop team building skills as well as learning to work independently. Students will apply skills acquired into many fun and exciting food labs.

Criteria for Selection: None**Transitional Living Consumer Science****No. R030****Elective: 9, 10, 11, 12****This is a full year, full time, one credit course.**

The co-taught transitional living and consumer science class is to promote lifelong independent living skills for students with disabilities. Improving students' abilities to interact with peers and adults, while learning home living skills such as dining habits and eating and dressing skills, are the key components of the course. Students will learn housekeeping skills, meal planning, buying and preparing food, essential kitchen skills, and laundry skills. The class is a hands-on model to help students successfully transition into the community.

Criteria for Selection: This class is available for students with an existing IEP and teacher recommendation.

Child Development I**No. A764****This is a one-semester, ½ credit course.****Elective: 9, 10, 11, 12**

Are you curious about children and how they become such unique individuals? Learn how to become a more confident and attentive caregiver who encourages healthy, happy babies and healthy, loving families that contribute to productive communities. This course offers insight into infant and childcare topics with opportunities for hand-on experiences, including the use of Real Care baby simulators. Concepts and theories of child development are explored. Factors that influence the physical, social, emotional, moral, and intellectual development are studied. Career opportunities will be presented.

Criteria for Selection: None**Child Development II****No. A765****This is a one-semester, ½ credit course.****Elective: 9, 10, 11, 12**

This course offers an in-depth look at the concepts and theories associated with child development. Physical, social, emotional, and intellectual development of children and the factors that influence the development are studied. The health and safety needs of children are examined. A variety of experiences, including communication and problem-solving skills, budgeting and money management, nutrition and health related issues are geared to developing concepts important to understanding children and the developmental process. Career opportunities are explored.

Criteria for Selection: Child Development I**Beyond High School****No. A766****This is a one-semester, ½ credit course.****Elective: 9, 10, 11, 12**

This course will help prepare the students for life after high school. We will look at the importance of the family structure in our society. Topics will include, but are not limited to, strengthening the family, personal relationships, engagement and marriage, communication, housing options, eating right, and money management. This course will be beneficial to those going to college or entering the job market.

Criteria for Selection: None

WORLD LANGUAGE

All students should consider some study of a world language. However, college-bound students should have two or more years of study in a single world language on their transcript. Colleges tend to look more favorably on students with a world language background as an indication of academic ability. The college trend is an increase in the number of years of study in a single world language, where language is a requirement for admission.

COURSES OFFERED

French I	No. L505
French II	No. L506
French III	No. L507
French IV	No. L508
Spanish I	No. L509
Spanish II	No. L510
Spanish III	No. L511
Spanish IV	No. L512

French I No. L505
Elective: 9, 10, 11, 12
This is a full year, full time, one credit course.

In French I, students study elementary French grammar, conversation, and pronunciation. Students learn basic vocabulary related to many aspects of daily life. They write short compositions and study French life and customs. There is an emphasis on speaking French and especially upon applying grammar concepts and vocabulary to a variety of written and conversational activities.

Criteria for Selection: Must have a passing grade in English.

French II No. L506
Elective: 10, 11, 12
This is a full year, full time, one credit course.

The emphasis of French II is on intermediate grammar, reading, conversation, vocabulary, composition, and French culture and customs. Emphasis is placed on comprehension of spoken French. Students learn additional verb tenses and new vocabulary related to many every day situations.

Criteria for Selection: French I must be successfully completed prior to this course. A prerequisite of 75% or higher in French I is recommended.

French III No. L507
Elective: 11, 12
This is a full year, full time, one credit course.

Those students continuing with French III should have earned a 75% average or higher in French II. French III students will continue to study grammar and verbs, read and discuss French fiction and nonfiction, write compositions, and prepare and present advanced conversations.

Criteria for Selection: French II must be successfully completed prior to this course. A prerequisite of 75% or higher in French II is recommended.

French IV No. L508
Elective: 12
This is a full year, full time, one credit course.

The recommended grade prerequisite for French IV is a 75% average or higher in French III. French IV students will continue to speak, read, and write French at an advanced level with an emphasis on French culture through films, popular music, and current events. French IV students will study the history of France. Also, they will read fiction and nonfiction, reviewing grammar and vocabulary as needed.

Criteria for Selection: French III must be successfully completed prior to this course. A prerequisite of 75% or higher in French III is recommended.

Spanish I No. L509
Elective: 9, 10, 11, 12
This is a full year, full time, one credit course.

In this beginning course, the student receives instruction in pronunciation, grammar, comprehension, oral practice and conversation, and cultural elements with an emphasis on listening and speaking Spanish.

Criteria for Selection: Must have a passing grade in English.

Spanish II No. L510
Elective: 10, 11, 12
This is a full year, full time, one credit course.

Spanish II is an intermediate study of Spanish grammar, comprehension, oral practice and conversation, Hispanic life and customs. Emphasis is placed on listening and speaking skills, with an additional emphasis on writing.

Criteria for Selection: Spanish I must be successfully completed prior to this course. A prerequisite of a 75% average or higher in Spanish I is recommended.

Spanish III No. L511
Elective: 11, 12
This is a full year, full time, one credit course.

Spanish III is a study of advanced study of Spanish grammar and verbs, oral conversation and culture with a continued emphasis on the four communication skills. Reading selections are used to develop reading and conversational skills.

Criteria for Selection: Spanish II must be successfully completed prior to this course. A prerequisite of a 75% average or higher in Spanish II is recommended.

Spanish IV No. L512
Elective: 12
This is a full year, full time, one credit course.

The students are expected to read and write extensively in this course. Advanced conversational skills are continued, as well as an advanced study of grammar and culture.

Criteria for Selection: Spanish III must be successfully completed prior to this course. A prerequisite of a 75% average or higher in Spanish III is recommended.

Wellness

COURSES OFFERED

Wellness 10

No. X902

Wellness 10**No. X902****Required****This is a one semester part time– .25 credit
three periods per week course.**

The goals of this course will relate to the importance of health to everyday life and will present a broad overview of how health choices will impact life. Choices the students make in regard to health could have a drastic effect on their lives and positive health decisions will improve their productivity and quality of life.

This course includes the following topics:

- Physical Health
- Mental Health
- Emotional Health
- Social Health
- Drugs
- Alcohol
- Tobacco
- Nutrition
- Sexually Transmitted Diseases
- HIV/AIDS
- Abortion
- Pregnancy
- Relationships
- Dating Violence
- Rape
- First Aid
- Cardiopulmonary Resuscitation
- Physical Fitness
- Violence
- Health Care Products and Services
- Careers in Health

Criteria for Selection: None

Human Performance Exercise Science (Physical Education PE)

COURSES OFFERED

Physical Education 9	No. P805
Physical Education 11-12	No. P807
Life Guarding/Aquatics	No. P808

Physical Education 9

No. P805

Required: 9

This is a full year, part time, ½ credit course.

This course is designed to build on the 7 and 8 grade curriculum. The program emphasizes physical fitness, team/lifetime physical activities and wellness. Students will participate in individual, team sports, and fitness oriented activities. This class meets every other day the entire year. These activities will foster lifetime knowledge for a well rounded, active adult.

Physical Education 11-12

No. P807

Elective: 11,12

This is a full year, part time, ½ credit course.

A selective physical education program is offered at this level. Students will select from units that include: fitness, lifetime, team and recreational activities. Students have the opportunity to change units every four weeks. This class meets every other day the entire year. These activities will foster lifetime knowledge for a well rounded, active adult.

**Physical Education and Wellness classes are coeducational. They require active participation and proper dress. Students are required to wear red, white, black, or gray athletic clothing along with athletic shoes.

Mandatory Uniform Policy

Students are required to wear red, white, black, or gray athletic clothing along with athletic shoes.

Life Guarding/Aquatics

No. P808

Elective: Age 15 and up

3 Week course from 9:00-11:00 at Neshannock Swimming Pool

A lab fee of \$260 will be charged for this course to obtain a Red Cross Lifeguarding Certificate. A \$60 lab fee will be charged for a non certificate course. In addition to the prerequisites, students should also have good reading skills as extensive bookwork and written testing is a requirement.

Criteria for Selection:

1. Swim 300 yards continuously in the following order: 100 yards crawl stroke, 100 yards breast stroke and 100 yards stroke of swimmer's choice. 2. Swim 20 yards, submerge to minimum depth of 8 feet, retrieve a 10-pound object, return with it to the surface and swim another 20 yards with the object using only the legs.

Adapted/Remedial Physical Education

School laws of Pennsylvania specify that all students receive instruction in physical education. A planned program is provided for those students who need remedial or modified activities.

MATHEMATICS

The Math Department offers 12 courses of study ranging from Algebra I Part 1 through Advanced Placement Calculus.

COURSES OFFERED

Algebra I Part 2	No. M309
Geometry	No. M310
Honors Geometry	No. M311
Algebra II	No. M312
Honors Algebra II	No. M313
Senior High Math	No. M314
Statistics	No. M315
Honors Statistics	No. M320
College Algebra	No. M316
Honors Pre-Calculus	No. M317
Advanced Placement Calculus (AP)	No. O318
Financial Literacy	No. M321

Algebra I Part 2

No. M309

Required: For all students that completed Algebra 1 Part 1.**This is a full year, full time, one credit course.**

In this course, students will develop a foundation of the algebraic skills and concepts necessary for them to succeed in advanced courses. A wide range of topics will be covered, however students will focus on operations with real numbers, simplifying expressions using exponents and roots, solving linear equations and inequalities, comparing and graphing relations and functions, as well as calculating probability and analyzing data. This course is intended to prepare students to take the Keystone Algebra 1 Exam.

Students are expected to complete homework on a daily basis. Also, students should be familiar with a scientific calculator and/or a graphing calculator.

Criteria for Selection: This course is required of all grade 9 students unless scheduled for Geometry, Honors Geometry, Algebra 2, or Honors Algebra 2.

Honors Geometry

No. M311

Elective: 9, 10, 11, 12**This is a full year, full time, one credit course.**

Honors Geometry will cover all of the areas covered in the Geometry class with a higher degree of emphasis placed on the discovery and proof of the properties of geometric figures. The instruction and assessments in Honors Geometry have been aligned to the Pennsylvania Common Core Standards and Assessment Anchors.

Students will develop higher level thinking skills in the area of reasoning as well as learn the postulates, theorems, and definitions related to geometry.

Stress will be placed on problem solving and proof-writing. Students will take an active role in discovering and proving the properties of geometric figures through visualization, analytical thinking, experimentation, and deductive reasoning. Students will be asked to give a thorough and logical explanation for answers and will learn to develop and write proofs of statements in various forms.

Topics covered include basics of segments and angles and their measures, inductive and deductive reasoning, perpendicular and parallel lines, congruence and properties of triangles, properties of quadrilaterals and other polygons, similarity of geometric figures, properties of right triangles, properties of circles, area of plane figures and solids, and volumes of solid figures. Students will become proficient in the use of a scientific calculator.

Since Honors Geometry requires additional work and is more academically challenging than Geometry, a 5% additive is given to the percentage score earned.

Criteria for Selection: A grade of 95% or higher in Algebra 1 (Grade 8) or Algebra I-Part 2. A grade of 85% in Algebra 2 (Grade 8).

Students may earn a high school math credit in Geometry or Honors Geometry, but not both.

Geometry

No. M310

Elective: 9, 10, 11, 12**This is a full year, full time, one credit course.**

The instruction and assessments in Geometry have been aligned to the Pennsylvania Common Core Standards and Assessment Anchors.

Students will develop higher level thinking skills in the area of reasoning as well as learn the postulates, theorems, and definitions related to geometry.

Stress will be placed on problem solving when appropriate. Students will take an active role in discovering and proving the properties of geometric figures through visualization, analytical thinking, experimentation, and deductive reasoning. Students will be asked to give a thorough and logical explanation for answers and will learn to develop and write proofs of statements in various forms.

Topics covered include basics of segments and angles and their measures, inductive and deductive reasoning, perpendicular and parallel lines, congruence and properties of triangles, properties of quadrilaterals and other polygons, similarity of geometric figures, properties of right triangles, properties of circles, area of plane figures and solids, and volumes of solid figures. Students will become proficient in the use of a scientific calculator.

Criteria for Selection: Successful completion of Algebra 1 or Algebra I Part 2. Students may earn a high school math credit in Geometry or Honors Geometry, but not both.

Honors Algebra 2

No. M313

Elective 9, 10, 11, 12**This is a full year, full time, one credit course.**

This course is for advanced mathematics students who desire to understand Algebra in more depth.

This course is recommended for those students who desire to move on to Honors Pre-Calculus.

This class will be taught more in depth and at an accelerated rate. Instruction and assessments are aligned to the Pennsylvania Common Core Standards. For those students who plan to take Honors Pre-Calculus, AP Calculus and/or Physics a TI-83, TI-84 plus or TI-89 graphing calculator is highly recommended.

Honors Algebra II topics include:

Review of Algebra concepts that include linear equations, linear inequalities, and systems of equations

Transformations and parent functions

Graphing and solving quadratic functions with and without complex number answers.

Polynomial operations, graphs, and finding real roots

Exponential and logarithmic functions

Operations of radical and rational expressions, solving rational and radical equalities and inequalities

Operations with functions

Trigonometric Functions (as time permits)

Because Honors Algebra 2 requires additional work and is more academically challenging than a non-honors level math course, a 5% additive is given to the percentage score earned.

Criteria for selection: A grade of 95% or higher in Geometry or Honors Geometry. A grade of 95% or higher in Algebra 1 or Algebra I Part 2 is required, for those students enrolling in Honors Algebra II in the same academic year in which they are also enrolled in Geometry or Honors Geometry.

Students planning to enroll in Honors Pre-Calculus in a subsequent academic year are encouraged to complete Honors Algebra II. Students may earn a high school math credit in Algebra II or Honors Algebra II, but not both.

Algebra II

No. M312

Elective: 9, 10, 11, 12**This is a full year, full time, one credit course.**

This course is the continuation of the study of algebra. Instruction and assessments are aligned to the Pennsylvania Common Core Standards. Students will be completing problems with and without calculators. For those students who plan to take Honors Pre-Calculus, AP Calculus and/or Physics a TI-83, TI-84 plus or TI-89 graphing calculator is highly recommended.

Algebra II topics include:

Review of Algebra concepts that include linear equations, linear inequalities, and systems of equations
 Transformations and parent functions
 Graphing and solving quadratic functions with and without complex number answers.
 Polynomial operations, graphs, and finding real roots
 Exponential and logarithmic functions

Criteria for selection: Successful completion of Geometry or Honors Geometry. A grade of 95% or higher in Algebra I or Algebra I Part 2 is required, for those students enrolling in Algebra II in the same academic year in which they are also enrolled in Geometry or Honors Geometry.

Students may earn a high school math credit in Algebra II or Honors Algebra II, but not both.

College Algebra

No. M316

Elective: 11, 12**This is a full year, full time, one credit course.**

This course is highly recommended for any student who has taken Algebra II but who believes their algebra skills are inadequate to continue on with Honors Pre-Calculus. Most colleges today require all students to show Algebra literacy despite the student's major. Thus, a primary goal of this course will be to maintain and improve those skills studied in Algebra II as well as prepare for a higher-level math course. Instruction and assessment are aligned to the Pennsylvania Common Core Standards.

College Algebra topics include:

Solving and Graphing Linear Equations and Inequalities
 Solving Systems of Linear Equations
 Solving Systems of Linear Equalities using Graphing, Substitution, Elimination and a Matrix
 Properties of Exponents and Operations with Polynomials
 Factoring
 Operations with and solving Rational Expressions
 Operations and Solving Roots and Rational Expressions
 Operations and Solving Roots and Radicals
 Solving Quadratic Equations and Inequalities
 Exponential and Logarithmic Functions
 Finding the zeros of Polynomial Functions

Students who have earned a high school math credit in Honors Pre-Calculus are not eligible to earn a subsequent math credit in College Algebra.

Criteria for selection: Completion of Geometry or Honors Geometry AND Algebra II or Honors Algebra II

Honors Statistics

No. 0320

Elective: 11, 12**This is a full year, full time, one credit course.**

Note: This textbook is at the Honors level. This course uses a college level text and replicates the content of college level instruction. The A.P. test will be offered at the conclusion of the course.

This is a fast-paced, intense math course designed for the motivated math student. This course teaches methods and terminologies of descriptive and inferential statistics. Students will be exposed to the four major themes consisting of exploring data, experimental design, anticipating patterns and statistical inference. Students who have completed this course will be able to conduct their own analysis of standard one sample or two sample data sets, follow statistical reasoning and read statistical reports with understanding. Introductory topics in linear regression, analysis of variance and contingency table analysis will also be covered. Students will be required to complete homework assignments both from the textbook and web-based on a daily basis. Additionally, this course will use an activity/project oriented approach to develop and assess the covered concepts. In fact, the final will be a culminating project where the student will illuminate their knowledge of the four major themes. This course will provide students a framework that fosters personal growth through the use of technology, working with peers, critical thinking and the development of communication skills. For applicable units, instruction and assessments are aligned to the Pennsylvania Common Core Standards. Some units fall outside the scope of the PCCS.

Technology will be an integral part of instruction. Students MUST have access

(away from school) to a reliable computer with internet capabilities. Many topics will require the use of several computer applications and completion of numerous internet based projects. Students MUST have their own personal graphing calculator [a TI-83/TI-83 plus/TI-84 plus is highly recommended].

Criteria for Selection: Students enrolling in Honors Statistics as a junior must have completed Honors Pre-Calculus OR must have completed Algebra II or Honors Algebra II with an 85% average AND be concurrently enrolled in Honors Pre-Calculus or AP Calculus.

Students enrolling in Honors Statistics as a senior must have completed Honors Pre-Calculus or AP Calculus.

Students may earn a high school math credit in Statistics or Honors Statistics, but not both.

Seton Hill/Duquesne University: Juniors and Seniors in Honors Statistics may elect to enroll in Seton Hill University OR Duquesne University (ONLY ONE may be chosen), College within the High School Programs. Students/parents (or guardians) are responsible for any applicable costs. Through these programs, students may earn 3 college credits. Grades posted to SHU or DU are without the 5% additive for Neshannock High School honors courses. Students must obtain a final grade average of 70% or higher (without the 10% additive to be awarded SHU credit.

Honors Pre-Calculus

No. M317

Elective: 11, 12**This is a full year, full time, one credit course.**

Honors Pre-Calculus is strongly recommended for students who are considering further study of mathematics and/or science at the college level. This course prepares students for college level calculus. Honors Pre-Calculus provides students with an application-oriented, investigative mathematics course which emphasizes real-world applications. For applicable units, instruction and assessments are aligned to the Pennsylvania Common Core Standards. Some units fall outside the scope of the PCCS. Students use graphing calculators for much of their problem solving.

The units of study include: Functions and Their Graphs; Polynomial and Rational Functions; Exponential and Logarithmic Functions; Systems of Equations and Inequalities; Sequences, Series, and Probability; and Trigonometric Functions.

Students should have their own personal graphing calculator for use in and out of class. The recommended graphing calculator for the course is a TI-83 plus, TI-84 plus, or TI-89. **The TI-85 and TI-86 are not recommended for use in this course. The TI-92 or any calculator with a QWERTY keyboard is not permitted for use in this course.**

Because Honors Pre-Calculus requires additional work and is more academically challenging than a non-honors level math course, a 5% additive is given to the percentage score earned.

Students who have earned a high school math credit in Honors Pre-Calculus or plan to earn a high school math credit in Honors Pre-Calculus are not eligible to earn a SUBSEQUENT math credit in College Algebra, Senior High Math or Financial Literacy.

Criteria for selection: Completion of Geometry or Honors Geometry AND Algebra II, Honors Algebra II or College Algebra.

Recommendation: 75% or higher in College Algebra; 80% average or higher in Geometry or Honors Geometry AND Algebra II or Honors Algebra II.

Seton Hill University: Juniors and Seniors in Honors Pre-Calculus may elect to enroll in the Seton Hill University College within the High School Program. Students/parents (or guardians) are responsible for any applicable costs. Through this program students may earn 3 credits for SHU course SMA 120 – Pre-Calculus. Grades posted to SHU are without the 5% additive for Neshannock High School honors courses. Students must obtain a final grade average of 70% or higher (without the 5% additive) to be awarded SHU credit.

Financial Literacy

No. M321

Elective: 11, 12**This is a full year, full time, 1 credit course.****This class is by appointment only.**

This co-taught course is to enable students to understand and develop the skills necessary to manage their own finances. Topics include but are not limited to career decisions, money management, investments, credit management, and consumer rights and responsibilities. Students will use a variety of computer software in many of their learning activities and projects. Guest speakers and hands-on tools will be utilized. The course is designed to help promote independence as student transition into adulthood.

Criteria for Selection: The class is available for 11th and 12th grade students based on Keystone scores, the need for specially designed instruction, and teacher and guidance counselor recommendation.

Advanced Placement Calculus AB

No. O318

Elective: 11-12 (seven or eight periods per week)**This is a full year, full time, one and one-half credit course.**

This course is designed for students who have a thorough knowledge of college preparatory mathematics, including algebra, geometry, trigonometry, and elementary functions.

Students will continue to use the critical thinking skills developed in Honors Pre-Calculus. The emphasis of the class is on the basic calculus concepts of limits, derivatives and integrals and solving problems numerically, graphically, and/or analytically. The course is demanding in terms of time requirements, student commitment and personal discipline. Students are required to take the Advanced Placement Examination in order to receive credit for the course. Students are expected to be proficient in the use of a graphing calculator.

Students should have their own personal graphing calculator for use in and out of class. The recommended graphing calculator for the course is a TI-83 plus, TI-84 plus, or TI-89. **The TI-85 and TI-86 are not recommended for use in this course. The TI-92 or any calculator with a QWERTY keyboard is not permitted for use in this course or to take the AP Exam.**

Because an Advanced Placement course is more academically challenging, a 10% additive is given to the percentage score earned.

Criteria for Selection: Completion of Honors Pre-Calculus.

Recommendation: 75% average or higher in Honors Pre-Calculus.

Seton Hill University: Juniors and Seniors in AP Calculus may elect to enroll in the Seton Hill University College within the High School Program. Students/parents (or guardians) are responsible for any applicable costs. Through this program students may earn 4 credits for SHU course SMA 130 – Calculus 1 with Analytic Geometry. Grades posted to SHU are without the 10% additive for Neshannock High School Advance Placement courses. Students must obtain a final grade average of 70% or higher (without the 10% additive) to be awarded SHU credit.

Statistics

No. M315

Elective: 11, 12**This is a full year, full time, one credit course.**

This is a math course designed for the math student who may plan on a post high school education. This course teaches methods for displaying distributions with graphs and numbers as well as the normal distribution. They will examine relationships using scatter plots and least squares regression and correlation. They will work with designing samples and experiments in combination with some basic principles of probability. Topics studied include counting methods using permutations and combinations, axiomatic probability, descriptive statistics and statistical inference. For applicable units, instruction and assessments are aligned to the Pennsylvania Common Core Standards. Some units fall outside the scope of the PCCS.

Throughout the course real-life problem situations will be used to connect statistics to many other fields and occupations. Algebra skills will be strengthened as needed.

Technology will be an integral part of instruction. Students **MUST** have access (away from school) to a reliable computer with internet capabilities. Many topics will require the use of several computer applications and completion of numerous internet based projects. Students **MUST** have their own personal graphing calculator [a TI-83/TI-83 plus/TI-84 plus is highly recommended].

Criteria for Selection: Students enrolling in Statistics as a junior must have completed College Algebra with an 85% average **OR** must have completed Algebra II or Honors Algebra II with an 85% average **AND** be concurrently enrolled in College Algebra or Honors Pre-Calculus. Students enrolling in Statistics as a senior must have completed College Algebra or Honors Pre-Calculus.

Students may earn a high school math credit in Statistics or Honors Statistics, but not both.

Senior High Math

No. M314

Elective: Grade 12 only**This is a full year, full time, one credit course.**

This class is by appointment only. It may not be considered as a college preparatory math class for college admission or NCAA Clearinghouse purposes.

Students will work on mathematical concepts over a wide range of topics. Early emphasis is placed on basic math skills with whole numbers, fractions, and decimals. Students will then study estimation, ratio and proportion, rates and unit rates, percents, measurement, area and volume, and probability and statistics. Basic algebra skills will be used throughout the course. The focus of the course following the basic skills review will be on problem solving in a real-world environment – math skills on the job, at home, and at play. Students will use pencil and paper calculations, mental math, calculator skills, and computer skills to solve problems.

Criteria for Selection: Students must be entering their senior year to be eligible for Senior High Math. Students must have completed or be enrolled in Algebra II and **must** have the recommendation of their junior year math teacher **AND** senior high guidance counselor to be enrolled in Senior High Math. Students who have earned a math credit in Statistics, Honors Statistics, Honors Pre-Calculus or Advanced Placement Calculus AB are not eligible to earn a math credit in this course.

MEDIA PRODUCTION

COURSES OFFERED

Media Production Economics IA (Announcements, News)	No. X801
Media Production Economics IB (Weather, Sports, Lunch)	No. X802
Media Production Economics II (Activities Highlights)	No. X803
Media Production Economics III (Video Special Effects)	No. X804
Advanced Digital Medias	No. A706

Media Production Economics I A
(Announcements, News)

No. X801

Elective: 9, 10, 11, 12

This is a semester, full time, 1/2 credit course.

This course is designed to promote the use of technology and economics through the study of the history of broadcast technology and its methods. The use of the production studio and the factors of a free market economy will be analyzed through actual studio production and methods by preparing half of the morning announcements as a daily television broadcast. Students will script, produce, edit, compress, and export the broadcast into a proper format for television broadcast. Other projects including the process of designing a picture project will be explored. Assessment is based on the Pennsylvania Core Standards.

Criteria for Selection: None

Media Production Economics I B (Weather,
Sports, Lunch)

No. X802

Elective: 9, 10, 11, 12

This is a semester, full time, 1/2 credit course.

This course is designed to promote the use of technology and economics through the study of the history of broadcast technology and its methods. The use of the production studio and the factors of a free market will be analyzed through actual studio production and methods by preparing half of the morning announcements as a daily television broadcast. Students will script, produce, edit, compress and export the broadcast into a proper format for television broadcast. Other projects including the process of designing a music video project will be explored. Assessment is based on the Pennsylvania Core Standards.

Criteria for Selection: None

Media Production Economics II (Activities
Highlights)

No. X803

Elective: 10, 11, 12

This is a full year, full time, one credit course.

This course is designed to promote the use of technology and economics through several types of presentation methods. The major component of this class includes the use of production equipment and Macintosh computers to prepare different presentations for the purposes of advertising, marketing and promotion. Other components include using Apple's Garage Band, I-movie, I-photo, and I-tunes. Students will dissect, study and create advertising, marketing and promotional schemes for school products and events. Assessment is based on the Pennsylvania Core Standards.

Criteria for Selection: Media Production IA and IB with a grade of 80% or higher.

Media Production Economics III (Video Special Effects) No. X804

Elective: 10, 11, 12

This is a semester, full time, 1/2 credit course.

This course is designed to promote the use of technology and economics through the use of advanced video computer editing. The major component of this class includes the use of advanced computer editing software including but not limited to Final Cut Pro and Adobe After Effects to prepare video segments of different special effects. Students will create different video of their own using student creativity and ingenuity. Similar to those used in the movie industry. Assessment is based on the Pennsylvania Core Standards

Criteria for Selection: Interest in advanced video editing and effects.

Advanced Digital Medias
Elective 10, 11, 12

No. A706

This is a full year, one credit course.

If you loved Digital Photography or Computer Graphics and would like to take your learning to the next level, this course is for you. This class will push you to further develop the skills you learned in the previous course. Again, Photoshop will be used as the main editing tool. You will create Movie Posters, CD Covers, Magazine Covers, create product packaging, and other projects. This is a great jumpstart to any field in Graphic Design or Digital Photography. There is a limit of 25 students for this class. Assessment is based on the Pennsylvania Core Standards

Criteria for Selection: This course is only for students who have taken Computer Graphics or Digital Photography.

MUSIC

COURSES OFFERED

	FY	FY/PT
Senior High Choir	No. A726	A727
Senior High Band	No. A728	A729
Honors Senior High Band	No. O419	O420
Honors Senior High Choir	No. O421	

Senior High Choir

No. A726

Elective: 9, 10, 11, 12**This is a full year, full time, one credit course.**

The Neshannock Senior High Choir is the main co-curricular vocal ensemble for grades 9-12. This course is for any student who wishes to sing and advance their knowledge in music as it pertains to singing. Members are taught in a group setting. Individual learning is encouraged through district and regional chorus, honors chorus, private lessons, ensembles, and solo work. The choir will perform at nursing homes, public affairs, concerts, and graduation. Winter and spring concerts are held annually. Students who elect to participate in the ensemble are making a full-year commitment.

Criteria for Selection: Previous choir experience or audition with the choir director.

Senior High Choir

No. A727

Elective: 9, 10, 11, 12**This is a full year, part time, ½ credit course.**

The Neshannock Senior High Choir is the main co-curricular vocal ensemble for grades 9-12. This course is for any student who wishes to sing and advance their knowledge in music as it pertains to singing. Members are taught in a group setting. Individual learning is encouraged through district and regional chorus, honors chorus, private lessons, ensembles, and solo work. The choir will perform at nursing homes, public affairs, concerts, and graduation. Winter and spring concerts are held annually. Students who elect to participate in the ensemble are making a full-year commitment.

Criteria for Selection: Previous choir experience or audition with the choir director.

Senior High Band

No. A728

Elective 9, 10, 11, 12**This is a full year, full time, one credit course.**

The Neshannock Lancer Band is the main co-curricular instrumental ensemble for grades 9-12. This course is for students who already have the ability to perform on a concert band instrument. There are mandatory summer and after school rehearsals and performances. Students perform as a marching band for all football games, assemblies, parades, band festivals, and civic events, and perform as a concert band for the Winter and Spring concerts. Students who elect to participate in the ensemble are making a full-year commitment.

Independent band is for those students who cannot schedule band due to a direct scheduling conflict with required core curriculum. This is only to be used as a last resort when other scheduling options have been exhausted. The option must be approved by the Band Director and Administration before scheduling begins. Students can only elect this option **one** out of four years in grades 9-12. The only exception to this is if there is a rare scheduling conflict with a **core class** (Math, Science, English, Social Studies, foreign language) and the student has already been in Independent Band in a previous year (for example, AP Calculus is only offered one period and is the same period as band).

Students will be required to meet Mondays and Wednesdays 9th period during the entire school year. This meeting will be considered the official class and will take precedence over tutoring, clubs, and activity meetings that occur during 9th period. Students will also be required to practice independently, complete independent assignments, and attend rehearsals with the entire band prior to performances.

Criteria for Selection: Students must have the ability to play a concert band instrument. If they have an extremely strong desire to learn an instrument, they must meet with the band director before placement in the class

Honor Senior High Band**No. 0419****Elective: 11, 12****This is a full year, full time, one credit course.**

This course is for students who are enrolled in band and would like to earn Honors credit during their junior and/or senior year(s). The Neshannock Lancer Band is the main co-curricular instrumental ensemble for grades 9-12. This course is for students who already have the ability to perform on a concert band instrument. There are mandatory summer and after school rehearsals and performances. Students perform as a marching band for all football games, assemblies, parades, band festivals, and civic events, and perform as a concert band for the Winter and Spring concerts. Students who elect to participate in the ensemble are making a full-year commitment.

Students who elect to take this course will work together with the band director to complete a leadership project each nine weeks to earn the Honors distinction.

Criteria for Selection: Students must be Juniors or Seniors, have enrolled in Senior High Band (either part-time full year or full time) for two or three consecutive years (9th, 10th, and 11 grades), and receive the recommendation of the band director.

Senior High Band**No. A729****Elective 9, 10, 11, 12****This is a full year, part time, ½ credit course.**

This course is for students who already have the ability to perform on a concert band instrument. Students enrolled in this course participate in the marching band and concert band ensembles. There are mandatory summer and after school rehearsals and performances. The band members perform for assemblies, football games, band festivals, competitions, civic programs, parades, and special activities. Winter and spring concerts are held annually.

Criteria for Selection: Students must have the ability to play a concert band instrument. If they have an extremely strong desire to learn an instrument, they must meet with the band director before placement in the class.

Honor Senior High Band
Elective 11, 12

No. 0420

This is a full year, part time, one-half credit course.

This course is for students who are enrolled in band and choir simultaneously and would like to earn Honors credit during their junior and/or senior year(s). The Neshannock Lancer Band is the main co-curricular instrumental ensemble for grades 9-12. This course is for students who already have the ability to perform on a concert band instrument. There are mandatory summer and after school rehearsals and performances. Students perform as a marching band for all football games, assemblies, parades, band festivals, and civic events, and perform as a concert band for the Winter and Spring concerts. Students who elect to participate in the ensemble are making a full-year commitment.

Students who elect to take this course will work together with the band director to complete a leadership project each nine weeks to earn the Honors distinction.

Criteria for Selection: Students must be Juniors or Seniors, have enrolled in Senior High Band (either part-time full year or full time) for two or three consecutive years (9th, 10th, and 11 grades), be enrolled in Senior High Honors Choir part time, and receive the recommendation of the band director.

Honors Senior High Choir
Elective 11, 12

No. 0421

This is a full year, full time, one credit course.

This course is for students who are enrolled in choir and would like to earn Honors credit during their junior and/or senior year(s). The Neshannock Senior High Choir is the main co-curricular vocal ensemble for grades 9-12. This course is for any student who wishes to sing and advance their knowledge in music as it pertains to singing. Members are taught in a group setting. Individual learning is encouraged through district and regional chorus, honors chorus, private lessons, ensembles, and solo work. The choir will perform at nursing homes, public affairs, concerts, and graduation. Winter and spring concerts are held annually. Students who elect to participate in the ensemble are making a full-year commitment.

Students who elect to take this course will work together with the choir director to complete a leadership project each nine weeks to earn the Honors distinction.

Criteria for Selection: Students must be Juniors or Seniors, have enrolled in Senior High Choir (either part-time full year or full time) for two or three consecutive years (9th, 10th, and 11 grades), and receive the recommendation of the choir director.

SCIENCE

COURSES OFFERED

Physical Science/Lab	No. S409
Biology/Lab	No. S410
Chemistry/Lab	No. S412
Senior High Physical Science/Lab	No. S413
Environmental Science/Lab	No. S414
Physics/Lab	No. S415
Advanced Placement (AP) Biology/Lab	No. O416
Advanced Placement (AP) Chemistry/Lab	No. O417

Physical Science/Lab

No. S409

Required: 9**This is a full year, full time, one credit course.**

The Physical Science course consists of a semester of chemistry and a semester of physics. During the chemistry portion, topics will include matter, elements and the periodic table, bonding, chemical reactions, and solutions. During the physics portion, students will study motion, forces, work, machines, energy, heat, waves, sound, light, electricity, and magnetism. This course will also focus on the scientific method and inquiry learning. Students will get hands on experience in many laboratory investigations.

Criteria for Selection: None**Biology/Lab**

No. S410

Required: 10**This is a full year, full time, one credit course.**

The Biology course will seek to present a broad, but detailed, overview of the biological sciences and relate the importance of biology in everyday life. The course will focus on the diversity of life on earth and seek to emphasize the interrelationships between the student and the biological world. Course topics will include: the nature of science, basic biological principles, fundamental properties of life, chemical basis of life, bioenergetics, homeostasis and transport, cell growth and reproduction, genetics, theory of evolution and natural selection, ecology. The course is aligned to the Pennsylvania Common Core standards and in accordance with the Pennsylvania Biology Keystone Assessment Anchors. Laboratory investigations, dissections, research problems in biology, as well as special projects and collections, are all a part of the required course work.

Criteria for Selection: None**Chemistry/Lab**

No. S412

Elective: 11,12 (seven or eight periods per week)**This is a full year, full time, 1.5 credit course.**

This course will provide students with a detailed exposure to chemical theory and problem solving and a thorough laboratory experience. Major topics include: atomic theory, mole calculations, gas laws, kinetic molecular theory, bonding, nomenclature, chemical reactions, stoichiometry, condensed phases of matter, the periodic table, acids bases, salts, equilibrium, oxidation/reduction, laboratory investigations and computer applications.

Criteria for Selections: 75% average in Algebra and Geometry; should have taken or be enrolled in Algebra II.**Senior High Physical Science/Lab** No. S413**Elective: 11, 12****This is a full year, full time, one credit course.**

The course is designed primarily for students who will complete their formal science education in high school. This course is an overview of all basic areas of physical science. Major topics include: matter, energy, chemistry, motion, and forces. Laboratory investigations and research problems are a significant component of the required course work.

Criteria for Selection: Algebra I is strongly recommended.

Environmental Science/Lab **No. S414**
Elective: 10, 11, 12
This is a full year, full time, one credit course.

This course will address facts, ideas, and controversies of the environmental and ecological concerns of our planet's present and future. The topics include the following: ecology, toxic substances, energy, pollution, biodiversity, and natural resources of the planet. Laboratory investigations, video lessons, field work/testing, research problems in environmental science, as well as special projects and collections, are a significant component of the require course work.

Criteria for Selection: Biology is strongly recommended.

Physics/Lab **No. S415**
Elective: 11, 12 (Seven or eight periods per week)
This is a full year, full time, 1.5 credit course.

This course is primarily for the college-bound engineering, nursing, mathematics, or sciences student. Major topics include: the science of matter and energy; units of force and motion; structure of matter; heat; wave motion and sound; light. Various laboratory investigations are performed in this course. Successful completion of all labs, at a competency level of 70%, is required to pass the course.

Criteria for Selection: Algebra II is recommended with a minimum grade of 75%. Also, it is strongly recommended to have taken Chemistry with a minimum grade of 75%.

Advanced Placement (AP) Biology/Lab **No. O416**
Elective 11, 12 (Seven or eight periods per week)
This is a full year, full time, 1.5 credit course.

The AP Biology course is designed for students who have demonstrated superior academic ability and a desire to excel in science. It is geared toward meeting the needs of those students who are preparing for college, or who are considering a possible career in biology, research, medicine, or nursing. This is a work intensive class; the textbook, course work, laboratory work, homework, and exams are all college-level. This course will involve an in-depth study of biological topics like: organic and biological chemistry, cell structure and function, energy and living cells, cellular respiration and photosynthesis, molecular biology of DNA and protein synthesis, Mendelian genetics, population genetics, speciation and natural selection, classification of organisms, microbiology and diseases, multicellular plants and botany, animal zoology, human anatomy and physiology, reproduction and embryonic development, behavioral biology, and ecology.

Completion of the 12 specialized AP Biology laboratory investigations, dissections, written papers, scientific literature reviews, research problems in biology, as well as special projects and collections, are all a part of the required course work. Students are required to take the AP Biology Exam in order to receive credit for the course.

Criteria for Selection: Must have successfully completed Biology (with a recommended 90% minimum average, 95% for Juniors) and have completed or be currently taking Chemistry.

Seton Hill University: Juniors and Seniors in AP Biology/Lab may elect to enroll in the Seton Hill University College within the High School Program. Students/parents (or guardians) are responsible for any applicable costs. Through this program students may earn 3 credits for SHU course SBL 160 – AP Biology/Lab. Grades posted to SHU are without the 10% additive for Neshannock High School Advanced Placement courses. Students must obtain a final grade average of 70% or higher (without the 10% additive) to be awarded SHU credit.

Advanced Placement Chemistry/Lab No. O417
Elective 11, 12 (Seven or eight periods per week)
This is a full year, full time, 1.5 credit course.

This rigorous course is designed for students who have demonstrated outstanding academic ability and a desire to excel in science and mathematics. The textbook, course work, laboratory experience, and homework load are college-level. Scientific reasoning and computational skills development are foci of the course. Major topics covered include: atomic theory, mole calculations, chemical bonding, nuclear chemistry, states of matter, solutions, reaction types, stoichiometry, equilibrium, kinetics, thermodynamics, and descriptive chemistry. Students are required to take the AP Chemistry Exam in order to receive credit for the course.

Exceptional students may wish to take AP Chemistry during their junior year in order to make time available during their senior year for other advanced placement courses. Juniors electing to take AP Chemistry as their first exposure to chemistry are strongly encouraged to complete independent summer study in chemistry. This study will provide the student with basic background information that is needed for the student to have a successful AP Chemistry experience. The school will contact the parents of each junior AP Chemistry candidate in the spring to explain the independent study recommendations, course expectations, and demands.

All students in AP Chemistry may elect to enroll in the University of Pittsburgh's College in High School Program. Through this program students will take Pitt's four-credit course, CHEM 0110.

Neshannock's AP Chemistry course is also a participant in Butler County Community College's Articulation Program. Through this program, students who attend BC3 may receive credit for CHEM 101 based solely on their performance in AP Chemistry rather than their score on the AP Exam.

Criteria for Selection: Students should have a minimum of 80% in chemistry.

SOCIAL STUDIES

COURSES OFFERED

Civics (9th Grade)	No. H209
Honors Civics (9th Grade elective)	No. O223
World Cultures (10th Grade)	No. H210
Honors World Cultures (10th Grade elective)	No. O224
U.S. History II (11th Grade)	No. H211
AP United States History (11th, 12th Grade elective)	No. O225
Problems of Democracy (12th Grade elective)	No. H221
Principles of Economics (12th Grade elective)	No. H222
Psychology (12th Grade elective)	No. H226
Sociology (12th Grade elective)	No. H227
AP Economics (12th Grade elective)	No. O418

Civics**No. H209****Required: 9****This is a full year, full time, one credit course.**

This introductory course studies the Constitution and provides information from the fields of political science, history, sociology, and social psychology. It stresses positive attitudes of patriotism, civic-mindedness, loyalty, respect for the law, and citizenship. There is a special emphasis on Pennsylvania's government as it is reflected in the Pennsylvania Constitution.

Criteria for Selection: None**Honors Civics****No. O223****Elective: 9****This is a full year, full time, one credit course.**

This course is intended for students who excelled in U.S. History. The content will be the same as Civics but more rigorous. The course will emphasize critical analysis and writing to explore all levels of government in the United States. The documents of American government and other primary sources will be interpreted and analyzed. Through the mass media, students will be expected to follow current events in government. This will include watching the news and reading magazines and newspapers. Students will evaluate the information and be able to make informed decisions.

Criteria for Selection: Students are required to have a 95% in eighth grade U.S. History and a 90% in eighth grade English.**World Cultures****No. H210****Required: 10****This is a full year, full time, one credit course.**

This is a survey course covering world history from ancient times to the twentieth century with an emphasis on the western world cultures. The approach is chronological, tracing the growth of these cultures from earliest evidences to the modern industrial societies of the 20th century. Students will gain an understanding of how these cultures and events still shape our lives today.

Criteria for Selection: None**Honors World Cultures****No. 0224****Elective: 10****This is a full year, full time, one credit course.**

Honors World Cultures covers world history from ancient times to the twentieth century with an emphasis on the western world cultures. Classes will focus on analysis and research skills as they study the significant achievements and events of peoples, nations, and empires. Students will also study historical themes as they are developed to demonstrate the interrelations of ideas and events of the past and how they affect contemporary life.

Students will gain a new appreciation for history and will begin to see historical figures as very real people. Students will learn to investigate for answers from a variety of sources, analyze research, and be able to present their conclusions in a logical manner. Students will gain knowledge of events and ideas that have shaped the world that we live in today.

Criteria for Selection: Students are required to have a 95% in Civics or 90% in Honors Civics and a 95% in ninth grade English or 90% in Honors English 9.

U.S. History II

No. H211

Required: 11**This is a full year, full time, one credit course.**

U.S. History II is a course that covers U.S. History from 1865 to the Present. Through this course, students will analyze military conflicts as well as social, political, economic and cultural changes. Course topics include: Industrialization, Westward Expansion, Imperialism, World War I, the Roaring 20's, the Great Depression, the New Deal, World War II, the Baby Boom, Elements of the Cold War, the Korean War, the Civil Rights movement, Politics in the 1960's, the Vietnam War, New Conservatism, The Persian Gulf War, 9/11 attacks, the Iraq War, and America's aging population.

Criteria for Selection: None**Advanced Placement Economics**

No. O418

Elective: 11, 12**This is a full year, full time, one and one-half credit course.**

This course is an in depth examination of Microeconomics. In addition to preparing students to take the Advanced Placement Exam, this course is designed to give students a greater understanding of how scarcity affects resource allocation and decision-making process of producers and consumers. Students will study and apply various economic theories and analyze concepts such as supply and demand, price determination and elasticity. Please note that all students taking the course are required to take the Advanced Placement exam at the end of the school year. This course is open to seniors and junior with permission

Criteria for Selection: Must achieve a 95% or higher in their junior or sophomore year social studies course.

Seton Hill University: Juniors and Seniors in AP Economics may elect to enroll in the Seton Hill University College within the High School Program. Students/parents (or guardians) are responsible for any applicable costs. Through this program students may earn 3 credits for SHU course SEC 101 – AP Economics. Grades posted to SHU are without the 10% additive for Neshannock High School Advanced Placement courses. Students must obtain a final grade average of 70% or higher (without the 10% additive) to be awarded SHU credit.

Principles of Economics

No. H222

Elective: 12**This is a full year, full time, one credit course.**

This course is a thematic examination of Microeconomics and Macroeconomics. This course is designed to give students a greater understanding of how scarcity affects resource allocations and decision-making process of producers and consumers. Students will study and apply various economic theories and analyze concepts such as supply and demand, price determination, and elasticity. This course is open to seniors and juniors with permission.

Criteria for Selection: None**AP United States History**

No. O225

Elective: 11, 12**This is a full year, full time, one and one-half credit course.**

Advanced Placement United States History is designed to provide students with analytical historical skills and factual knowledge necessary to think critically about problems and events in American History from 1491 to the present. Students will utilize and analyze various historical primary and secondary sources throughout the school year. Students will also engage in historical writing activities including short-answer questions (SAQs), long-essay questions (LEQs), and document-based questions (DBQs), all components of the national AP exam. Ultimately, pupils should be able to express themselves with clarity and precision with regards to United States History. Course work is at the college level. Students must take the AP US History national exam to receive credit for the course.

Criteria for Selection: Students are required to have a final average of 95% in their current social studies course and a final average of 95% in English or 90% in Honors English. Both English and Social Studies need to sign off on this.

Seton Hill University: Juniors and Seniors in AP US History may elect to enroll in the Seton Hill University College within the High School Program. Students/parents (or guardians) are responsible for any applicable costs. Through this program students may earn 3 credits for SHU course SHY 103 – AP US History. Grades posted to SHU are without the 10% additive for Neshannock High School Advanced Placement courses. Students must obtain a final grade average of 70% or higher (without the 10% additive) to be awarded SHU credit.

Psychology**No. H226****Elective: 12****This is a semester course, full time, ½ credit course.**

Psychology is an elective course that can be taken by seniors. This course is a basic introduction to Psychological concepts. Students will examine human behavior from the perspective of social and natural sciences. As a social science, we will explore the influences of society on individual behavior and group relationships. As a natural science we will attempt to find biological explanations for human behavior. In addition we will look for connections between the two when explaining individual behavior. Concepts covered in this course include: Human Development, States of Consciousness, Personality Theories, Research Methods, Stress and Its Effects on the Human Body, Psychoanalysis, and Psychological Disorders.

Criteria for Selection: None**Sociology****No. H227****Elective: 12****This is a semester course, full time, one-half credit course.**

Sociology is an elective course that can be taken by seniors. This is a basic introductory course to Sociological concepts. Through us of the scientific method, students will learn to think critically and be objective when applying sociological principles to everyday events, issues and problems. Students will also exercise their critical thinking skills by employing open-mindedness, intellectual curiosity, and evaluation of reason. The major objective of Sociology is to encourage students to begin looking at their lives and interactions with others people in difference ways. Topics covered include: The Sociological Perspective, Culture, Social Deviance, Inequalities of Gender, Race, and Ethnicity, The Family, Political and Economic Institutions, and Religion.

Criteria for Selection: None**Problems of Democracy****No. H221****Elective: 11, 12****This is a semester course, full time, ½ credit course.**

This semester course in POD presents a mature approach to understanding the problems of local, state and national governments. Topics include privileges, rights and responsibilities of citizenship, current affairs, economics, politics, problems of family, community, and the nation. Fundamental concepts of the free enterprise system and some study of world economics also are included in the course.

Criteria for Selection: None

TEACHER ASSISTANT

COURSES OFFERED

Teacher Assistant

No. X907

Teacher Assistant

No. X907

Elective: 12

This is a full year, full time, one credit course.

This supervised course is for seniors interested in the learning process and who are considering education as a career goal. They must be willing to spend five periods per week helping younger students who may require extra assistance in their learning as well as assisting elementary and/or junior high teachers in their classrooms with daily activities and projects.

Included in the criteria for acceptance into the class is the attendance and discipline record of the student. As a general rule, students with more than 10 days of absence per year will not be accepted unless the absences were for an extended illness or accident. Students with more than one discipline write up may also not be considered. Daily participation in this course will be mandatory and a portion of the student's grade is based on this criteria. The elementary and junior high students, as well as the teachers, count on the seniors to be available each day.

Students may be required to complete assigned projects during each nine-week grading period.

Criteria for Selection: Minimum cumulative QPA, grades 9-11, must be 80% and you must complete a Teacher Assistant application.

*You may pick up the application from Mrs. Scala or Mrs. DeVincentis.

TECHNOLOGY EDUCATION

COURSES OFFERED

Computer Aided Drafting and Design	No. A740
Robotics and Automation	No. A741
Engineering by Design	No. A742
Architectural Design	No. A743
Product Design and Development Class 1	No. A900
Yearbook I	No. X908

Computer Aided Drafting and Design (CADD) No. A740

Elective: 9, 10, 11, 12

This is a full year, full time, one credit course.

This STEM course is an introduction into Computer Aided Drawing and Design. Students will use various design software products such as AutoCAD, Solidworks, MasterCAM and Inventor). Students will develop Technological literacy and manage computer aided drawing software to solve technological design problems. They will utilize the Engineering Design Process to pursue projects focusing on invention and innovation. Students will complete both drawings and projects to develop capabilities to solve technological challenges and improve products for the way we live. Classroom learning experiences will strengthen problem solving and critical thinking skills.

Criteria for Selection: None

Robotics and Automation

No. A741

Elective: 10, 11, 12

This is a full-year, full time, one credit course.

This STEM course is designed to introduce students to robotics and basic programming. Students will learn Computer Numerical Control (CNC Programming).

The students will incorporate Engineering Design Principles to control automated devices. Area of study will cover the Personal and Social Perspectives of Automation, Abilities of Technological Design, Motion and Forces and Scientific Inquiry. Problem Solving and Critical Thinking Skills will be reinforced through manipulation and integration of technological products and systems commonly found in our modern homes, transportation, entertainment and work place.

Criteria for Selection: CADD is a Prerequisite

Engineering by Design

No. A742

Elective: 10, 11, 12

This is a full year, full time, one credit course.

Students are provided with problem solving activities integrating Science, Technology, Engineering and Math (STEM). Students will develop models or prototypes using the 3D Printer and Laser Engraving machines.

Examples of STEM activities might include land, space and marine transportation systems, bridge building, and power transmission devices. Students will research, design, develop, prototype, and test projects utilizing various methods. Emphasis will be placed on making the connection to in-school and out of school STEM opportunities.

Criteria for Selection: CADD is a prerequisite for this course

Architectural Design

No. A743

Elective: 10, 11, 12

This is a full year, full time, one credit course.

This course is an introduction into the inventions and innovations of architectural design using Autodesk products (Autodesk Architecture or Revit). Students will receive an overview of structural design, architectural styles, construction methods, and building codes. Students will complete small scale architectural drawings such as residential homes, garages, and sheds. STEM careers associated with Architecture and related industries will be addressed throughout the course.

Criteria for Selection: CADD is a prerequisite for this course.

Product Design and Development Class 1 No. A900
Elective: 11 and 12
This is a full-year, full time, one credit course.

This course is developed to teach students how to combine marketing, design, and manufacturing to develop a product. Students will concentrate on an area of their own interest to develop a prototype product. Students will be encouraged to select a product related to their own interest that relates to their post high school career path. Some limitations will be experienced related to individual ability and expertise, tools, machines and materials that can influence and impact their design. Technologies such as Computer Aided Drawing and Design, Laser Engraving, and 3D printing will provide students with modern technology to solve real world problems. Students will complete guided projects related to the engineering design cycle for product development. As they complete the guided projects, they will parallel with their own design or product that tailors the class to their own personal learning interest. Students must declare a timeline to complete or develop a full product based upon quarter term, semester, or full-term.

Please note: this course is self paced and self motivated in order to provide students flexibility to pursue individual interests. Expectation will certainly be focused on the student becoming a self learner with the teacher's role being a facilitator and coach. **Because students are designing their own personal products, they will be required to purchase specialty materials or equipment to complete their individual project.**

Criteria for Selection: CADD plus (either) Robotics and Automation or Engineering by Design are required to take this course. Having a background in both classes is necessary to use the technology and equipment necessary to complete the projects.

Yearbook I No. X908
Elective: 10 if NOT a 3rd elective, 11, 12
This is a full year, full time, one credit course.

This course will be producing the school year book from start to finish. Students will be using computer programs such as Photoshop, (Yearbook Provider) website, scanning and download photos, and all appropriate editing tools. Students are responsible for acquiring photos for use in the book. Students will market and distribute the yearbook. This course is **not** recommended for independent study.

Criteria for Selection: Basic computer and photography skills. Students must complete an application and be approved by the teacher.

SPECIAL EDUCATION

Those students who have Individual Education Programs may visit the resource room during study halls or if permitted by the core teacher during class. Students will receive tutoring on assignments and test preparation.

Support services for students with individual exceptional needs

In the State of Pennsylvania, Chapter 14 of the Department of Education School Code identifies the following support services provided in public schools for exceptional learners: Learning, Emotional, Life Skills, Speech & Language, Blind or Visually Impaired, Hearing, Autism, Multi-Disabilities, Occupational Therapy, and Physical Therapy

In an effort to meet the individual needs of students manifesting one or more of the exceptionalities listed in Chapter 14, the NTSD has adopted a plan for locating and identifying students that are thought to be exceptional and in need of specially designed instruction. After a student has completed the screening and evaluation processes, the NTSD Individualized Education Plan (IEP) Team will then meet to determine that student's individual needs through the development of an IEP.

First and foremost, the development of the IEP considers all areas of support that are necessary for an identified child to be successful in the mainstream of the regular curriculum. The IEP team will develop and maintain a plan that moves on a continuum from the least restrictive intervention to the most restrictive intervention, based on the needs of the child.

It is the responsibility of each public agency to ensure that to the maximum extent appropriate students with disabilities, including those in public or private institutions or other care facilities, are educated with children who are not disabled. Special classes, separate schooling or other removal of children with disabilities from the regular educational environment occurs only when the nature or severity of the disability is such that education in regular education classes, EVEN with the use of supplementary aides and services, cannot be achieved satisfactorily.

ITINERANT

- Special Education supports provided by special education personnel for 20% or less of the school day

SUPPLEMENTAL

- Special Education supports and services provided by special education personnel for more than 20% of the day but less than 80% of the school day.

FULL-TIME

- Special Education supports and services provided by special education personnel for 80% or more of the school day.

Special Education programs and services offered by Neshannock Junior/Senior High School are:

Autistic Support
Blind or Visually Impaired Support
Deaf and Hearing Impaired Support
Emotional Support
Gifted Support
Learning Support
Life Skills Support
Speech and Language Support
Multiple Disabilities Support
Physical Support

Related services offered by Neshannock Jr/Sr High School are:

Occupational Therapy Support
Physical Therapy Support

GIFTED PROGRAMMING

As defined by Chapter 16 in the PDE school code, the NTSD has adopted a plan for locating and identifying students that are thought to be gifted and in need of specially designed instruction. After a student has completed the screening and evaluation processes, the NTSD Gifted IEP Team will then meet to determine that a student's individual needs are met through the development of a Gifted IEP (GIEP).

The development of the GIEP will consider enrichment, acceleration, and dual enrollment options for the identified student.

Enrichment strategies may, include, but not be limited to, opportunities such as:

- Participation in local academic games and competitions. These games may be locally, regionally, and/or nationally sponsored.
- Activities that permit the student to extend content mastered within his/her general curriculum. Specific opportunities might include discussion groups, book clubs, hard (traditional library) or soft (electronic) research and/or investigation.
- Participation in alternative forms of assessment such as a speech, performance demonstration, independent project, etc.

Acceleration strategies will be considered on an individual basis. When considering acceleration options, students must successfully meet the defined prerequisite criteria/courses. Gifted students should discuss acceleration options with his/her counselor, principal, and GIEP team.

Dual enrollment involves participation of a plan that facilitates the gifted student meeting high school graduation requirements at Neshannock while also completing college classes at a local institution. Participation in a dual enrollment plan requires thorough planning with the student's counselor, principal, GIEP team, and parent/guardian.

For additional information on Gifted Services and/or Support Services available through the Neshannock Township School District, please contact Mrs. Concetta Fiorante, Director of Pupil Services, at 724-658-4793, ext. 5106.

NESHANNOCK ACTIVITIES

Band
Choir
FBLA
Foreign Exchange Students
Forensics
French Club
Guidance Runners
Junior Class Officers
Junior Student Advisory Committee
Library Aides
National Art Honor Society
National Honor Society
National Junior Art Honor Society
Peer Leadership
Pep Club
Rotary Interact Club
Science Olympiad
Senior Class Officers
Senior High Office Runners
Ski Club
Spanish Club
Spanish Club
Student Council
Student Council Officers
Students for the Cross
Students Helping Students
YSU English Festival

Activities Director:
Joe Thomas – 724-658-5513, ext. 1204

NESHANNOCK ATHLETICS

Junior Varsity Football
Varsity Football
Boys' Soccer
Girls' Soccer
Volleyball
Golf (Coed)
Cross Country (Coed)
Boys' Basketball
Girls' Basketball
Boys' Swimming*
Girls' Swimming*
Baseball
Bowling*
Softball
Boys' Track
Girls' Track

*These are not actual sponsored teams at Neshannock but are coordinated by individuals who compete in these sports with other schools and the WPIAL/PIAA.

Athletic Directors:
Bob Burkes or Tom Wiczen – 724-658-5513, ext. 5118