

# ***Lake-Lehman***

## **Senior High School**



### ***2019-2020***

# ***Curriculum Guide***

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## **World Language**

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## **Social Studies Department**

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Mr. William Evans  
Ms. Tiffany Hettes  
Mrs. Michelle Kleyman  
Mr. Michael Kostrobala  
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## **Science Department**

*Mr. Scott Kerkowski, Department Chair*

Mr. William Evans  
Mrs. April Eckert  
Mrs. Erica Hasinus  
Mrs. Cecelia Jennings  
Mr. Ronald Kirkutis

## **Art Department**

Ms. Jenna Casaldi  
Mr. Shane Kupsky

## **Music Department**

Ms. Cheryl Kulikowski  
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## **Family/Consumer Science Department**

Mrs. Sandra Gromniak

## **Technology Department**

Mr. Dave Hopfer  
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## **Physical Education Department**

Mrs. Krystal Miner  
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Ms. Jill Chocallo	Dr. Tracie Davis
Mrs. Christina Goble	Mrs. Savannah Harrison
Mrs. MaryAnn Maxfield	Mrs. Stacey Pellegrino
Mrs. Caroline Perillo	Mrs. Sarah Pryor

# *Message from the Principal*

To the Students of Lake-Lehman High School:

As we approach scheduling for the upcoming school year, it is important to remember that the choices you make today will impact your future. The courses in which you enroll should be those that provide you with the experience necessary to reach the career goals you have set for yourself.

While making course selections, please seek the input of those who best know your academic potential and work ethic. Your parents, teachers and guidance counselors can provide you with recommendations that will assist in creating an academic program that will best meet your needs.

Contained in this booklet is information you will need to make decisions about your course selections, as well as a guide to plan your high school academic program. You will also find explanations regarding the grading policy, GPA calculations, Honor Roll criteria, Young Scholars, Career and Technical Programs, and Specialized Programs of Instruction. Please take the time to read the information carefully, as many courses have prerequisites.

Should you have any questions regarding the information found in this booklet, please do not hesitate to schedule an appointment with your guidance counselor.

I wish you the best in planning your program of study at Lake-Lehman High School.

Douglas Klopp  
Principal

## **LAKE-LEHMAN SCHOOL DISTRICT MISSION**

The Mission of the Lake-Lehman School District is to inspire students to achieve personal fulfillment through the context of community, mastery, independence and generosity within a safe learning environment.

## **LAKE-LEHMAN SCHOOL DISTRICT CIVIL RIGHTS POLICY**

The policy of the Lake-Lehman School District is to guarantee to all persons equal access to all categories of employment in this district, regardless of race, color, age, creed, religion, gender, sexual orientation, ancestry, national origin or handicap/disability.

In order to achieve the aforementioned goal, the Board directs the Superintendent to assume the responsibility of coordinating all implementing activities as Compliance Officer.

The Compliance Office shall publish and disseminate this policy at least annually to students, parents, and employees. The publication shall include the name, office address and telephone number of the Compliance Officer.

## **LAKE-LEHMAN SCHOOL DISTRICT EDUCATIONAL GOALS**

- Utilize our community resources to enhance academic programming
- Provide professional learning opportunities that support teachers in implementing instruction
- Design a rigorous curriculum aligned with state and national content and teaching standards
- Expand and enhance learning experience and opportunities to challenge all students, including LEP (Limited English Proficiency) students.

## **LAKE-LEHMAN SCHOOL DISTRICT ORGANIZATIONAL GOALS**

- Increase active parental and community participation in our schools
- Increase the number and fiscal resources for the school district
- Provide a healthy and safe environment for students, parents and faculty
- Identify and meet the educational needs of all students, including LEP students

## Course Selection and Student Scheduling Reminders

- Students are encouraged to make selections based on careful deliberation as to which courses will best enable them to achieve their future goals.
- The master schedule and the assignment of faculty are based on students' course Selections. This is why we cannot allow schedule changes after the Master Schedule is complete, unless...
  - Should a student attend summer school, she/he will be permitted to change courses to accommodate those completed in summer school. SUMMER SCHOOL COURSES MUST BE COMPLETED PRIOR TO THE START OF THE SCHOOL YEAR.
  - Student schedules found to be in conflict or in error will be adjusted in order to complete a student's schedule.
- PLEASE NOTE: Many colleges, universities and career and technical programs have established minimum requirements for acceptance that exceed our school district requirements; for example, many schools require 2 years of a foreign language. Students are responsible, with the assistance of their parents and school counselor, to determine the requirements of their specific colleges and their career programs of interest.

**PLEASE NOTE THAT THE COURSES LISTED IN THIS CURRICULUM GUIDE ARE TENTATIVE AND SUBJECT TO SUFFICIENT ENROLLMENT AND THE AVAILABILITY OF FACILITIES AND FACULTY.**

## **College and Post-Secondary Program Timetables**

Listed below are timetables and activities for students considering college and other post-secondary programs:

### **Ninth Grade**

- Take a world language.
- Take challenging courses.
- Get involved with school activities that sharpen your critical thinking skills and leadership ability.
- Take advantage of teacher support by staying after school and getting extra help.
- Begin to discuss career goals with your parents and counselor.
- Begin to organize personal activities/ accomplishments for résumé.

### **Tenth Grade**

- Continue to take a world language and challenging courses.
- Take the PSAT in October as practice for the SAT and/or ACT.
- Potential Division I, IAA, and II athletes must register with the NCAA Eligibility Center
- Begin to build a résumé that includes in-school as well as out of school activities and work/volunteer experience.

### **Eleventh Grade**

- Take the PSAT in October.
- Take the SAT and/or the ACT in the spring.
- Explore college possibilities-develop a list of options.
- Begin to narrow down your choices.
- Attend college fairs.
- Obtain information on college costs and financial aid.
- Attend seminars and workshops on financial aid.
- Investigate all scholarship possibilities.
- Participate in college visits and tours.

### **Twelfth Grade**

- Take the SAT and/or ACT.
- Apply to Colleges, Universities and/or programs of choice.
- Request letters of recommendations a month prior to due date.
- Tour your final college selections over the winter break.
- Student athletes need to complete their NCAA Eligibility Center forms to determine eligibility.
- Submit a Free Application for Federal Student Aid (FAFSA) and a Financial Aid Form (FAF) and make copies of all tax forms.
- Submit all scholarship applications and be sure to meet all deadlines.
- Check with colleges to determine if all necessary application materials have been submitted.
- Inform counselor of your final college choice.
- Request that the final high school transcript be sent to the college of your choice.
- Obtain information regarding summer orientation activities of your chosen college.



All Lake-Lehman High School students must meet both the required number of credits per year cumulatively and pass all required courses. Listed below are the required classes each student must take and pass in order to graduate from Lake-Lehman Junior-Senior High School. The curriculum and credit values maybe adjusted pending State Requirements or School Board approval.

<b>Class of 2020-</b>	Freshman Experience	.125 Credits	
	Wellness 10	.250 Credits	
	Child Development	.250 Credits	
	Character Development	.250 Credits	
	Junior Seminar	.125 Credits	
	Wellness 12	.250 Credits	*Senior Project Completion
	Language Arts	4.000 Credits	
	Mathematics	4.000 Credits	
	Science	4.000 Credits	
	Social Studies	3.500 Credits	
	Electives	6.000 Credits	Total Credits Required 23.750
	Physical Education	1.000 Credits	
<b>Class of 2021-</b>	Freshman Experience	.125 Credits	
	Wellness 10	.250 Credits	
	Child Development	.250 Credits	
	Character Development	.250 Credits	
	Junior Seminar	.125 Credits	
	Wellness 12	.250 Credits	*Senior Project Completion
	Language Arts	4.000 Credits	
	Mathematics	4.000 Credits	
	Science	4.000 Credits	
	Social Studies	3.500 Credits	
	Electives	6.000 Credits	Total Credits Required 23.750
	Physical Education	1.000 Credits	
<b>Class of 2022-</b>	Freshman Experience	.125 Credits	
	Wellness 10	.250 Credits	
	Child Development	.250 Credits	
	Character Development	.250 Credits	
	Junior Seminar	.125 Credits	
	Wellness 12	.250 Credits	*Senior Project Completion
	Language Arts	4.000 Credits	
	Mathematics	4.000 Credits	*Proficiency on Algebra, Biology and Literature Keystone Exams
	Science	4.000 Credits	
	Social Studies	3.500 Credits	
	Electives	6.000 Credits	Total Credits Required 23.750
	Physical Education	1.000 Credits	
<b>Class of 2023-</b>	Freshman Experience	.125 Credits	
	Wellness 10	.250 Credits	
	Child Development	.250 Credits	
	Character Development	.250 Credits	
	Junior Seminar	.125 Credits	
	Wellness 12	.250 Credits	*Senior Project Completion
	Language Arts	4.000 Credits	
	Mathematics	4.000 Credits	*Proficiency on Algebra, Biology and Literature Keystone Exams
	Science	4.000 Credits	
	Social Studies	3.500 Credits	
	Electives	6.000 Credits	Total Credits Required 23.750
	Physical Education	1.000 Credits	

## Course Progressions

### Language Arts

- 9 English 9 =1 credit
- 10 English 10 = 1 credit
- 11 American Literature (.5) plus an English Elective (.5 ) =1 credit
- 12 British Literature (.5) plus an English Elective (.5) =1 credit

\*\*\*Students are required to take 4 English credits to meet Graduation Requirements

### Social Studies

- 9 World History =1 credit
- 10 Civics/Geography =1 credit
- 11 20th Cent. American Cultures =1 credit
- 12 Civics/Government = .5 credit

\*\*\*Students are required to take 3.5 History credits to meet Graduation Requirements

### 9th Grade

### 10th grade

### 11th Grade

### 12th Grade

#### Mathematics

- |                      |                 |                    |                             |
|----------------------|-----------------|--------------------|-----------------------------|
| 1. Intro to Algebra  | Algebra I       | Geometry/Basic     | Per Finance, Stat, Alg II   |
| 2. Algebra I         | Algebra II      | Geometry           | Statistics, PreCalculus     |
|                      | Geometry/Basic  | Statistics         | Personal Finance            |
| 3. Algebra II or (H) | Geometry or (H) | PreCalculus or (H) | Calculus or AP Calc., Stat. |
|                      |                 | Statistics         |                             |

\*\*\*Students are required to take 4 Math credits to meet Graduation Requirements

### Science

- |  |  |  |  |
|--|--|--|--|
| 1. Biology                             | Earth/Space Science<br>Applied Chemistry | Earth/Space Science<br>Applied Chemistry<br>Zoology  | Environmental Science<br>Zoology<br>Anat. & Phys.  |
| 2. Biology or (H) &<br>E/S Science (H) | Earth/Space or (H)<br>Chemistry or (H)   | Earth/Space or (H)<br>Chemistry or (H)<br>Environmental<br>Anat. & Phys. Or (H)<br>Zoology<br>Physics or (H)<br>AP Chemistry<br>AP Environmental Science | Earth/Space Sci. or (H)<br>Environmental or (H)<br>Zoology<br>Physics or (H)<br>Physics II (H)<br>Anat. & Phys. Or (H)<br>AP Biology<br>AP Chemistry<br>AP Environmental Science |

\*\*\*Students are required to take 4 Science credits to meet Graduation Requirements

**\*\*\*Each course has an Honors option. AP courses are also available for students in their Junior and Senior year (see course descriptions).**

## Senior Project

Each school district, including charter schools, shall specify requirements for graduation in their strategic plan.

- Requirements shall include: **course completion and grades, completion of a culminating project, and results of assessments aligned with the academic standards.**
- A student may select from the following project types for his or her senior project: **community-service based, project based, or research based.**
- A student shall complete a project in one or more areas of concentrated study under the guidance and direction of the high school faculty.
- Projects may be undertaken by individual students or groups of students.
- The purpose of the project will include research, writing, and applying technology.
- Each student will present his or her project to a group of faculty members.
- The purpose of the culminating project is to assure that the student is able to apply, analyze, synthesize and evaluate information and communicate significant knowledge and understanding.
- These outlined conditions are explained in detail in the senior project booklet.

**Graduation from Lake-Lehman Junior-Senior High School is contingent upon the satisfactory completion of the senior project. Students will receive a pass/fail grade. There is no credit value attached to the Senior Project.**

**\* Although the Pennsylvania Department of Education has eliminated the requirement of a graduation project beginning with the class of 2017, the Lake-Lehman School District continues to require a senior project as part of graduation requirements.**

## High School Yearly Promotion

A student graduates from high school through the accumulation of credits and the fulfillment of required courses. A student's grade level is determined by the year of attendance upon entering high school. Students who do not meet the total number of required credits in their senior year will remain a senior until the requirements are fulfilled. Below is the suggested credit guide to stay on schedule for graduation within 4 years:

- Freshman                      0 - 6.50 credits
- Sophomore                 6.51 - 12.50 credits
- Junior                        12.51 - 19.00 credits
- Senior                        Beyond 19.01 credits

**Students must take at least 6.5 credits in their freshman, sophomore, and junior years and 5.0 credits in their senior year.**

## Grading Scale

A	93%	to	100%	(Advanced)
B	84%	to	92%	(Proficient)
C	76%	to	83%	(Basic)
D	70%	to	75%	(Below Basic)
F	0%	to	69%	(Failure)
P	Pass			
F	Fail			
I	Incomplete			
WA	Withdraw Attendance			
WF	Withdraw Failure			
WP	Withdraw Pass			
M	Medical			

## Grade Point Average (GPA)

Your GPA is calculated by adding the total number of quality points earned and dividing them by the credit value of the courses taken. No pass/fail courses are included in the GPA calculation. For a more detailed example of GPA calculation information, please refer to the Lake-Lehman Student Handbook.

## HONOR ROLL

Principals Honor Roll	98%-100%
High Honors	93%-97%
Honors	86%-92%

**Students who receive a 'D', 'F', 'I' in any subject are not eligible for the honor roll.**

## NCAA Eligibility

If you are planning to enroll in college as a freshman and wish to participate in Division I, IAA, or II athletics, you must be certified by the [NCAA Eligibility Center](http://www.eligibilitycenter.org).

- To register, complete the online form at [www.eligibilitycenter.org](http://www.eligibilitycenter.org).
- Be sure to download the "Request for Transcript" section and submit it to the High School Guidance office along with your profile number. **The NCAA will not process your application without your transcript.**

## Grading System

**Quality points are based on a Modified 4.0 scale.**

Courses are categorized in levels:

Level 1=Advanced Placement

Level 2=Honors

Level 3=Academic/College Preparatory.

Quality points are calculated for the percentage grade based upon assigned grade.

Numerical Grade	Letter Grade	Level 1 Adv/ Place.	Level 2 Honors	Level 3 Academic
100	A	5.00	4.50	4.00
99	A	4.95	4.45	3.95
98	A	4.90	4.40	3.90
97	A	4.80	4.30	3.80
96	A	4.75	4.25	3.75
95	A	4.70	4.20	3.70
94	A	4.65	4.15	3.65
93	A	4.60	4.10	3.60
92	B	4.50	4.00	3.50
91	B	4.40	3.90	3.40
90	B	4.30	3.80	3.30
89	B	4.25	3.75	3.25
88	B	4.20	3.70	3.20
87	B	4.10	3.60	3.10
86	B	4.00	3.50	3.00
85	B	3.90	3.40	2.90
84	B	3.80	3.30	2.80
83	C	3.70	3.20	2.70
82	C	3.60	3.10	2.60
81	C	3.50	3.00	2.50
80	C	3.40	2.90	2.40
79	C	3.30	2.80	2.30
78	C	3.20	2.70	2.20
77	C	3.10	2.60	2.10
76	C	3.00	2.50	2.00
75	D	2.90	2.40	1.90
74	D	2.80	2.30	1.80
73	D	2.70	2.20	1.70
72	D	2.50	2.00	1.50
71	D	2.30	1.80	1.30
70	D	2.00	1.50	1.00
BELOW 70	FAILING			

## Programs of Study

Lake-Lehman Junior-Senior High School offers multiple programs of study in order to meet the diverse needs of our student population.

### College Preparatory

This program is designed to meet the recommended requirements for most post-secondary bound students. Students have the opportunity to supplement the required courses with a variety of electives.

### Honors

This program is designed to meet the needs of those students who are looking for a more challenging and rigorous curriculum. At this time, Honors courses are offered in all major subject areas.

### Advanced Placement

All Lake-Lehman AP Classes have received official authorization by the College Board as AP Courses. Advanced Placement courses offer students the opportunity to do college-level work while still in high school. These courses are available to qualified, academically oriented students in the eleventh and twelfth grade. Upon completion of the AP course, students are strongly encouraged to take the nationally administered examination in May. Depending upon their performance on the examination, students may receive credit hours for each exam taken. This makes it possible for a student who is successful on the exam (s) to, at the discretion of the college, receive college credit.

At this time Advanced Placement courses are offered in the following areas:

English	Calculus	European History
Spanish	Biology	U.S. History
Art	Chemistry	Government
	Environmental Science	

The examinations contain multiple-choice and free-response sections and take three hours to complete. Every exam receives a score based upon a five-point scale. The score is interpreted according to the following:

- 5 – extremely well-qualified
- 4 – well-qualified
- 3 – qualified
- 2 – possibly qualified
- 1 – no recommendation

### Independent Study

The Independent Study program is intended for students who desire something more advanced than, or different from, courses currently offered in our program of studies. Independent Study courses cannot substitute for an existing course or serve as a way to resolve schedule conflicts. Students must meet the requirements in their independent study contract to earn a passing grade. Independent Study grades and credits will count toward GPA and class rank but are *NOT NCAA approved*. You must have administrative approval to take an Independent Study course.

### Gifted Program

*Identified students\** will meet at least one period per six day cycle. A minimum of .25 credits will be received and credit value will increase based on hours of instruction for each year of participation. Higher level thinking skills will be stressed along with relevant topics selected each year through the student's GIEP. In addition, students are encouraged to participate in competitive community opportunities and to investigate specific topics through individual projects. They are given ample opportunity to provide service to their community and are exposed to cultural and enrichment activities by means of seminars and field trips. Mentorships may also be arranged through their department.

### Learning Support and Resource Services

*Identified students\** engage in one-on-one lessons with specially trained teachers. Students are involved in the following programs of study: English, Science, Social Studies, Health, Mathematics and Vocations/Careers. All programs are geared toward practical application and the acquisition of life skills. Students are also given resource periods where they receive additional support.

### **Emotional Support Resource Program**

The Emotional Support Program has been developed for the *identified student* \* who, because of social or emotional problems, has difficulty attaining his/her highest level of academic or social performance. Students are instructed with materials appropriate for their academic levels, interest levels, and learning styles. Curricular resources are made available so that the teacher has maximum flexibility in developing an appropriate program for each student. In each of the academic areas, and at each instructional level, the base of instruction is the regular program of study adapted to the individual needs of the student.

*\*Students who have met state-mandated criteria in three areas: achievement test scores, IQ scores, and classroom performance.*

### **Life Skills Support Program**

This program focuses on developing independent skills for everyday life. Students will engage in an academic curriculum with a special emphasis utilizing the local community. Each student will achieve their personal best through supports and resources to prepare for post secondary life.

### **Inclusion Classes**

This program allows special education students to be included in regular education classes. Support for these students will be provided through accommodations, adaptations, and modifications to curriculum, teaching strategies and testing.

### **Remedial Reading**

Remedial Reading is a course designed to strengthen the fundamentals of language and reading. This course implements The Wilson Reading System (WRS). WRS explicitly and systematically teaches students how to fluently and accurately decode and spell. WRS directly addresses irregular or sight word instruction, fluency, vocabulary, oral expressive language development and comprehension. The teaching methods used are interactive and multi-sensory.

### **English Language Learner (ELL) Program**

The ELL Program is part of the core curriculum; it replaces the English planned instruction requirement under Chapter 4. The student shall receive sufficient instructional time from a certified teacher with appropriate resource materials. The teacher shall use an assessment system that monitors student progress in learning English. The ELL Program shall be evaluated annually to determine if the ELL student (English Language Learner) is achieving success in learning English. If they are not, the program will be adapted to meet their needs.

### **National Honor Society**

Students are selected on the basis of scholarship, leadership, service and character.

All students who are named to the honor roll four (4) consecutive times

(4th quarter, 1st quarter, 2nd quarter, and 3rd quarter) beginning with the fourth quarter of eighth, ninth, tenth or eleventh grade are considered for membership.

### **The School-to-Work Initiative**

Diversified Occupations—otherwise known as- COOPERATIVE WORK EXPERIENCE-is an opportunity for qualified twelfth grade students to participate in a cooperative work experience while earning high school credits both at Lake-Lehman and "on the job"-Students who participate in Diversified Occupations attend classes at Lake-Lehman Junior-Senior High School and work in the afternoon. Students must attend classes at WSCTC one day a week. Credit toward graduation is granted for the supervised work experience. Seniors who have earned sufficient credits to participate in the Diversified Occupations Program may be excused from school to work at a part-time job.

Arrangements for participation in this program must be made with the counselor and employer and be approved by the parents of the student and then by the Coordinator at the West Side Area Career and Technical Center. It is understood that the student must be enrolled in and passing the senior classes necessary for graduation. The student must have at least a "C" average in order to participate in this program.

# Course Descriptions



## ENGLISH 9 (11111)

COLLEGE PREPARATORY

Credit: 1

Grade 9

**NCAA Approved 1 Credit**

**Prerequisite: None**

English 9 focuses on the Pennsylvania Core Standards, specifically composition standards, encompassing proper grammar, mechanics, and usage in various types of writing, including informative/ explanatory, persuasive and research-based writing. Vocabulary development, oral communication, and critical thinking skills will be enhanced throughout the course as students are exposed to all genres of literature, including fiction and nonfiction, short stories, poetry, and drama. Course average is predominantly composed of quiz, test, and essay grades.

## HONORS ENGLISH 9 (11112)

HONORS

Credit: 1

Grade 9

**NCAA Approved 1 Credit**

**Prerequisite: Successful completion of Honors English 8 and/or Departmental Recommendation**

Honors English 9 encompasses the same learning outcomes as English 9, but students enrolled in Honors English 9 are expected to have a higher level of motivation, participation, and overall achievement, as this course is much more in-depth than English 9 and requires a greater level of independence. Students enrolled in Honors English 9 will write a minimum of twelve full-length essays throughout the year, as well as a full-length research paper. Greek and Latin Word Study is incorporated on a bi-weekly basis. Course average is predominantly composed of quiz, test, and essay grades.

## ENGLISH 10 (11211)

COLLEGE PREPARATORY

Credit: 1

Grade 10

**NCAA Approved 1 Credit**

**Prerequisite: Successful completion of English 9**

English 10 focuses on the Pennsylvania Core Standards for all 10th graders. This course continues the study of literature, writing, critical thinking, vocabulary, grammar, speaking, research and technology. This integrated whole language approach to literature is taught from a variety of genres, focusing on world literature from the Renaissance to modern times. Successful completion of the Keystone Literature Assessment is expected at the culmination of the course. Additional resources utilized in the course include Study Island and Pearson Online.

## HONORS ENGLISH 10 (11212)

HONORS

Credit: 1

Grade 10

**NCAA Approved 1 Credit**

**Prerequisite: Successful completion of Honors English 9, and/or Departmental Recommendation**

English 10 focuses on the Pennsylvania Core Standards for all 10th graders. This course continues the study of literature, writing, critical thinking, vocabulary, grammar, speaking, research and technology. This integrated whole language approach to literature is taught from a variety of genres, focusing on world literature from the Renaissance to modern times. Honors students are expected to have a higher level of motivation, participation, and overall achievement, as this course is much more in-depth than English 10. Successful completion of the Keystone Literature Assessment is expected at the culmination of the course. Additional resources utilized in the course include Study Island and Pearson Online.

## AMERICAN LITERATURE (11311)

COLLEGE PREPARATORY

Credit: .50

Grade 11

**NCAA Approved .5 Credit**

**Prerequisite: English 10**

American Literature focuses on the PA Core Standards for all 11th graders. This integrated whole-language approach encompasses grammar, composition, literature, critical thinking skills, vocabulary development, and oral communication. American Literature will emphasize the study of classic American novels, drama and poetry, preparation for college entrance exams like the SAT and ACT, and the writing of essays, including MLA and APA formatted research papers.

## HONORS AMERICAN LITERATURE (11312)

HONORS

Credit: .50

Grade 11

**NCAA Approved .5 Credit**
**Prerequisite: Recommendation from Honors English 10**

Honors American Literature is designed for the highly-motivated college-bound students seeking a reading and writing intensive curriculum and focuses on the PA Core Standards for all 11th graders. This integrated whole-language approach encompasses grammar, composition, literature, critical thinking skills, vocabulary development, and oral communication. Honors American Literature will emphasize the study of classic American novels, drama and poetry, preparation for college entrance exams like the SAT and ACT, and the writing of essays, including MLA and APA formatted research papers. Students enrolled in Honors American Literature are expected to have a higher level of motivation, participation, and overall achievement, as this course is much more in-depth than American Literature and requires a greater level of independence.

## BRITISH LITERATURE (11411)

COLLEGE PREPARATORY

Credit: .50

Grade 12

**NCAA Approved .5 Credit**
**Prerequisite: American Literature or Honors American Literature**

This course reflects the Pennsylvania Core Standards and features an intensive, chronological study of British literature stemming from the Anglo-Saxon era to the Modern period. With a focus on reading independently, students will become familiar with many famous works of literature spanning all genres. Students will learn to critically analyze the text and showcase their understanding through various projects and writing assignments in both MLA and APA style, all aimed at improving their ability to communicate in a well-developed, organized fashion. The goal of this course is to prepare the students for the college or career setting, with an emphasis placed on reading, writing, research, and communication.

## HONORS BRITISH LITERATURE (11412)

HONORS

Credit: .5

Grade 12

**NCAA Approved .5 Credit**
**Prerequisite: Successful completion of Honors American Literature and/or Departmental Recommendation**

Honors British Literature is a course designed for the highly-motivated, college bound student who is willing to work at an intensive pace and produce a substantial amount of work both in and out of the classroom. Reflecting the Pennsylvania Core Standards and featuring a rigorous, chronological study of British literature stemming from the Anglo-Saxon era to the Modern period, students will become familiar with many famous works of literature spanning all genres. Students will critically analyze the text through independent reading assignments and share their thoughts through various writing activities in both MLA and APA style, aimed at preparing them for the types of writing they will be expected to showcase at the college level. Acceptance into this course is contingent upon faculty recommendation.

## AP ENGLISH LITERATURE AND COMPOSITION (11423)

ADVANCED PLACEMENT

Credit: 1

Grade 12

**NCAA Approved 1 Credit**
**Prerequisite: Completion of summer reading and writing assignment.**

*This course has received official authorization by the College Board as an AP Course.* This course enables high school students to complete a college-level class and permits colleges to evaluate and acknowledge that accomplishment by granting appropriate credit and/or placement. It is designed for the serious student who has the ability and desire to pursue rigorous study. AP English prepares students to read literature in order to experience, interpret, and evaluate it, and to write and speak about literature in order to understand, explain, analyze, and appraise it. Emphasis is placed on representative works of literary merit, reflecting varied genres, time periods, and nationalities. An interactive classroom and alternative assessments are utilized to employ higher ordered thinking.

## WORLD HISTORY (12111)

COLLEGE PREPARATORY

Credit: 1

Grade 9

**NCAA Approved 1 Credit**

**Prerequisite: None**

This course is designed to offer an economic, political, geographic, and social history of western civilization beginning with antiquities and highlighting key historical points in Ancient Greece, Rome, the Renaissance, the Reformation, Religious Wars, Age of Absolutism, the Enlightenment, French Revolution, and the Napoleonic Wars. Students will explore history through primary source documents, map analysis, and key historical writings.

## HONORS WORLD HISTORY (12112)

HONORS

Credit: 1

Grade 9

**NCAA Approved 1 Credit**

**Prerequisite: Successful completion of Honors 8th Grade History and/or Departmental Recommendation**

This course is a challenging alternative to the traditional World History 9 course with an appeal to the motivated and independent learner. Students will explore all of the topics covered during World History 9 in greater depth and focus. Students will be required to demonstrate their knowledge of economic, political, and social developments throughout history with a direct emphasis on reading, writing, and the research process. Critical thinking skills and self-directed learning will be mastered through activities involving advanced geographical studies and examination of the relationship between historical and current events.

## CIVICS & GEOGRAPHY (12211)

COLLEGE PREPARATORY

Credit: 1

Grade 10

**NCAA Approved 1 Credit**

**Prerequisite: Successful completion of World History**

This course is divided into two one semester courses. The purpose of Geography is to introduce the student to the major geo-political and socio-geographic implications and developments in North and South America. The purpose of Civics is to engender an intelligent and critical understanding of the political and legal system. This course focuses on many aspects of citizenship and government. Specifically, the course will address the foundations of the American political system.

## HONORS CIVICS & GEOGRAPHY (12212)

HONORS

Credit: 1

Grade 10

**NCAA Approved 1 Credit**

**Prerequisite: Successful completion of Honors World History, and/or Departmental Recommendation**

This intellectually intensive course is designed to instill in the student an awareness of the complexities of the cultural and physical geography in North and South America and to engender an intelligent and critical understanding of the interdependent relationship between the physical features and the human element. The highly motivated student will research, analyze, interpret, and assess the five themes of geography, including location and place. Special emphasis is placed on the human-environment interaction.

## 20th CENTURY AMERICAN CULTURES (12311)

COLLEGE PREPARATORY

Credit: 1

Grade 11

**NCAA Approved 1 Credit**

**Prerequisite: Civics and Geography**

This course is a concentrated examination of how the 20th century became the "American Century". The course begins with a study of the Imperialism that pushed America onto the world stage with the Spanish American War. While focusing on political and economic history, this course will include a study of American culture and its diversity. Students will develop a better understanding of what it means to be an American.

## HONORS 20th CENTURY AMERICAN CULTURES (12312)

HONORS

Credit: 1

Grade 11

**NCAA Approved 1 Credit**

**Prerequisite: Successful completion of Honors Civics and Geography and/or Departmental recommendation.**

The 20th Century American Cultures Honors course is a challenging, writing intensive course designed to give the serious student a working knowledge of the "American Century". It explores the cultural, economic, and social progression of the nation as a world power in the 20th Century.

## **CIVICS AND GOVERNMENT (12411)**

### **REQUIRED**

**NCAA Approved .50 Credit**

Credit: .500

Grade 12

This course is designed to help students understand the structure and function of government and their role as citizens with respect to local, state and national government. Topics explored will include civil discourse, thoughtful deliberation on issues affecting our nation and the world at large, rights and responsibilities in society, and historic precedents that have shaped the current state of the union.

*This course is required for all seniors, with the exception of those enrolled in AP Government.*

## **AP UNITED STATES HISTORY (12413)**

**This class may replace 20th Century American Cultures or 20th Century American Cultures Honors to fulfill American History Requirement**

ADVANCED PLACEMENT

Credit: 1

Grades 11, 12

**NCAA Approved 1 Credit**

**Prerequisite: A summer reading and writing assignment and strong academic achievement in history.**

*This course has received official authorization by the College Board as an AP course .*

This rigorous course is designed to provide students with the analytic skills and factual knowledge necessary to deal critically with the problems and materials in United States history. The course prepares students for intermediate and advanced college courses by making demands upon them equivalent to those made by full-year introductory college courses. Students will learn to assess historical materials, their relevance to a given interpretive problem, their reliability, and their importance. They will also learn to weigh the evidence and interpretations presented in historical scholarship. The course examines the political, economic, diplomatic, social, philosophical, and cultural development of the United States from Columbian times to the 1990's. Students will have an opportunity to take the AP exam in May. The examination presumes at least one academic year of college-level preparation.

**(Note: AP US History and the AP European History courses are offered in alternate years.)**

## **AP EUROPEAN HISTORY (12423)**

**This class may replace Civics and Government to fulfill the 3.5 year Social Studies Requirement**

ADVANCED PLACEMENT

Credit: 1

Grades 11,12

**NCAA Approved 1 Credit**

**Prerequisite: Summer reading and writing assignment and strong academic achievement in history**

*This course has received official authorization by the College Board as an AP course.*

This rigorous course is designed to provide students with the analytic skills and factual knowledge necessary to deal critically with the problems and materials in European history. The course prepares students for intermediate and advanced college courses by making demands upon them equivalent to those made by full-year introductory college courses. Students will learn to assess historical materials, their relevance to a given interpretive problem, their reliability, and their importance to weigh the evidence and interpretations presented in historical scholarship. This course seeks to have students understand the basic narrative of the events and movements in European History along with a study of the basic chronology of those major events and trends in Europe from approximately 1450 to the 1990's. Students will have an opportunity to take the Advanced Placement exam in May. The examination presumes at least one academic year of college level preparation. A summer assignment is required.

**(Note: AP US History and the AP European History courses are offered in alternate years. Any student taking AP European History must take AP United States History, Honors 20th Century American Cultures or 20th Century American Cultures before graduation.)**

## **AP US GOVERNMENT (12433)**

**This class may replace Civics and Government to fulfill the 3.5 year Social Studies Requirement**

ADVANCED PLACEMENT

Credit: 1

Grades 11,12

**NCAA Approved 1 Credit**

**Prerequisite: A summer reading and writing assignment and strong academic achievement in history.**

*This course has received official authorization by the College Board as an AP course .*

This intellectually intensive course is designed to instill in the student an awareness of the complexities of American government and to engender an intelligent and critical understanding of the interdependent relationship between government, citizenship, constitutional law, economics, foreign policy, and the American political system. The highly motivated student will research, analyze, interpret, and assess all aspects of American government, including how government established by the Constitution embodies the purposes, values, and principles of American democracy. Special emphasis is placed on constitutional law for those students interested in pursuing law school and / or a career in the legal field. This course is equivalent to a first-semester college level government course. A summer assignment is required.

## INTRODUCTION TO ALGEBRA I (13111)

COLLEGE PREPARATORY

Credit: 1

Grade 9

**NCAA Approved .50 Credit**

Introduction to Algebra I is designed to provide the student with the basic concepts of Algebra. The course will

progress at a more deliberate pace than Algebra I and Honors Algebra I. The course will begin with reinforcement of basic math skills and will provide a smooth transition from arithmetic to algebra. Topics will include simplifying & evaluating expressions, solving, graphing & writing linear equations and inequalities and systems of equations and inequalities.

## ALGEBRA I (13131)

COLLEGE PREPARATORY

Credit: 1

Grades 9, 10

**NCAA Approved 1 Credit**

**Prerequisite: Math 8**

Algebra I is an in-depth discussion of the fundamentals of algebra with an emphasis on preparation for the Keystone Exam. This course builds the foundation for all future mathematics courses by applying the fundamental operations of arithmetic to algebraic techniques. Emphasis is placed on simplifying & evaluating expressions, solving, graphing & writing linear equations and inequalities and systems of equations and inequalities, polynomial operations, factoring, data analysis and probability. Successful completion of the Keystone Algebra I Assessment is expected at the culmination of the course.

## ALGEBRA II (13211)

COLLEGE PREPARATORY

Credit: 1

Grades 9, 10, 11,12

**NCAA Approved 1 Credit**

**Prerequisite: Algebra I or Honors Algebra I**

This course is an extension of the concepts developed in the Algebra I course. The course introduces the graphing of linear functions and the solutions to systems of linear equations and inequalities. Emphasis is placed on methods of factoring polynomial expressions, solving polynomial equations, irrational and complex numbers, and quadratic functions.

## HONORS ALGEBRA II (13212)

HONORS

Credit: 1

Grade 9

**NCAA Approved 1 Credit**

**Prerequisite: Successful completion of Honors Algebra I or Dept. Chair Recommendation**

This course is an extension of the concepts covered in the Algebra I Honors course. This course introduces the graphing of linear functions and inequalities. Topics explored include factorization of polynomial and rational expressions, solving polynomial equations, and irrational and complex numbers. Algebra II Honors will address topics in triangle trigonometry, exponential and logarithmic functions, and sequences and series of numbers.

## GEOMETRY/BASIC (13311)

Credit: 1

Grades 10, 11

**NCAA APPROVED 1 Credit**

**Prerequisite: Algebra I or Algebra II**

This course is designed to provide the student with the basic concepts of geometry. The course progresses from the undefined terms of point, line and plane, through perpendicular and parallel lines, triangles, circles, and various polygons. Some basic proofs are presented.

## GEOMETRY (13321)

COLLEGE PREPARATORY

Credit: 1

Grades 10, 11

**NCAA Approved 1 Credit**

**Prerequisite: Algebra II or Algebra I with Teacher Recommendation**

This course is designed to emphasize the study of the properties and applications of common geometric figures in two and three dimensions. Topics proceed from the undefined terms point, line, and plane, through deductive and inductive methods of reasoning, perpendicular and parallel lines, triangles, circles and various polygons. Emphasis is placed on showing congruence or similarity by formal proofs. Relationships involving similar triangles and similar polygons are also discussed.

## HONORS GEOMETRY (13332)

HONORS

Credit: 1

Grades 10

**NCAA Approved 1 Credit**
**Prerequisite: Successful completion of Honors Algebra II or Dept. Chair Recommendation**

This course is designed for the advanced math student. Topics to include points, lines, lines planes angles parallel and perpendicular lines, and inductive and deductive reasoning. Further topics emphasized are congruent triangles, similar triangles, and triangles, and quadrilaterals. Honors Geometry students will study in depth right triangle relationships, proofs, circles and the area and volume of assorted figures.

## PRE-CALCULUS (13411)

COLLEGE PREPARATORY

Credit: 1

Grades 11, 12

**NCAA Approved 1 Credit**
**Prerequisite : Successful completion of Algebra II and Geometry (Can be taken concurrently with teacher approval)**

This course is a must for any college bound student. Pre-Calculus combines the topics of trigonometry, analytic geometry, and elementary functions to lay a broad base upon which to build calculus. Emphasis is placed on trigonometric functions and their properties, linear relations and functions, matrices, conics, and polynomial, rational, exponential and logarithmic functions. Students entering Pre-Calculus are encouraged to have a TI-84 Plus graphing calculator.

## HONORS PRE-CALCULUS (13412)

HONORS

Credit: 1

Grades 11

**NCAA Approved 1 Credit**
**Prerequisite: Successful completion of Honors Algebra I, Honors Algebra II, Honors Geometry or current Math Teacher recommendation**

This course is a must for any college bound student. Honors Pre-Calculus will rigorously cover the topics of trigonometry, analytic geometry, and elementary functions. Emphasis is placed on trigonometric functions and their properties, linear relations and functions, matrices, conics, and polynomial, rational, exponential and logarithmic functions. This course will include the extensive use of a graphing calculator. Students entering Pre-Calculus are encouraged to have a TI-84 Plus graphing calculator.

## CALCULUS (13421)

COLLEGE PREPARATORY

Credit: 1

Grades 12

**NCAA Approved 1 Credit**
**Prerequisite: Pre-Calculus or Honors Pre-Calculus**

This course provides a great foundation for the student who will take calculus upon entering college. Emphasis is placed on the concept of a limit, the meaning and application of the derivative, related rate problems, graphing techniques and some basic techniques of integration. Also introduced are the Fundamental Theorem of Calculus, Rolle's Theorem and the Mean Value Theorem. This course will include the extensive use of a graphing calculator.

## AP CALCULUS AB (13423)

ADVANCED PLACEMENT

Credit: 1

Grades 12

**NCAA Approved 1 Credit**
**Prerequisite: Pre-Calculus**

*This course has received official authorization by the College Board as an AP Course.*

This course is designed for the highly motivated student who is interested in an intensified study of calculus. This course is equivalent to a first semester college level calculus course. The student may receive college credit upon attaining a successful score on the College Board AB Calculus Exam. This is the calculus of functions of one variable. Topics include functions, limits and continuity, derivatives and their applications, and integrals and their applications. TI-84 Plus Calculator recommended/Graphic Calculator required.



**STATISTICS (13431)**

COLLEGE PREPATORY

Credit: 1

Grades 11 (with permission from department chair), 12

***NCAA Approved 1 Credit***

This course is designed as an introductory Statistics class. Students will analyze and categorize types of data, identify and describe sources of bias and its effect, and draw conclusions from data. Students will also evaluate data-based reports and graphs by considering experimental design, appropriateness of the data analysis, and the soundness of the conclusions. Other topics explored will be the Basic Counting Principle, Combinations, and Permutations.

**PERSONAL FINANCE (13441)**

Credit: 1

Grade 12

***NOT NCAA APPROVED***

This course will inform students how individual choices directly influence occupational goals and future earnings potential. Real world topics covered will include income, money management, spending and credit, as well as saving and investing. Students will design personal and household budgets utilizing checking and savings accounts, gain knowledge in finance, debt and credit management, and evaluate and understand insurance and taxes. This course will provide a foundational understanding for making informed personal financial decisions leading to financial independence.

## **BIOLOGY (14111)**

COLLEGE PREPARATORY

Credit: 1

Grade 9

**NCAA Approved 1 Credit**

This course deals with the study of life. Various topics encountered in this study of life include: contributions of various scientists to biological study, characteristics of living things, chemical basis of life, cellular structure and function, genetics, molecular biology, evolution, and ecology. Weekly laboratory sessions are an important part of the class and serve to reinforce the course content. The laboratory activities will be performed both individually and in groups. Also, students will be required to submit written lab reports based on their laboratory experiences. Successful completion of the Keystone Biology Assessment is expected at the culmination of the course.

## **HONORS BIOLOGY (14112)**

HONORS

Credit: 1

Grade 9

**NCAA Approved 1 Credit**

**Prerequisite: Successful completion of Honors Introduction to Biology and/or Teacher Recommendation.**

The Honors Biology program is designed for those college bound students with a special aptitude, motivation, and interest in the life sciences. Following the same format as College Preparatory Biology, the course deals with those same topics using an accelerated pace, greater depth and analysis of topics, and numerous laboratories. Successful completion of the Keystone Biology Assessment is expected at the culmination of the course.

## **EARTH & SPACE SCIENCE (14211)**

COLLEGE PREPARATORY

Credit: 1

Grade 9-12

**NCAA Approved 1 Credit**

**Prerequisite: May be taken concurrently with Biology, Chemistry or Honors Chemistry**

Earth and Space Science is designed to actively involve students in an examination of the natural forces at work on Earth and throughout the universe. This is accomplished through both classroom instruction and laboratory exploration of a broad survey of geology, oceanography, meteorology, and astronomy. An environmental component will also be discussed concerning watersheds, wetlands, and human environmental impacts.

## **HONORS EARTH & SPACE SCIENCE (14212)**

HONORS

Credit: 1

Grade 9-12

**NCAA Approved 1 Credit**

**Prerequisite: Successful completion of Honors Introduction to Biology or Honors Biology. May be taken concurrently with Biology, Chemistry or Honors Chemistry and Departmental recommendation required**

This course is designed to provide educational opportunities beyond the regular curriculum for the academically talented and highly motivated student interested in any of the sciences. It is designed to provide a solid foundation upon which students' can build an advanced high-school science curriculum. Classroom instruction is complimented by in class and virtual laboratory investigations on both traditional and current science issues. The course surveys the natural forces at work in our environment, geology, oceanography, meteorology, and astronomy. An environmental component is also investigated during the course of the year.

## **APPLIED CHEMISTRY (14221)**

Credit: 1

Grades 10, 11, 12

**NCAA APPROVED 1 Credit**

**Prerequisite: Students must be in Algebra II or Essentials of Geometry.**

This class is designed to provide the student with the basic concepts of chemistry with fundamental mathematics applied throughout the course. This course will cover all the topics covered in Chemistry but at a much more deliberate pace.

## **CHEMISTRY (14231)**

COLLEGE PREPARATORY

Credit: 1

Grades 10, 11, 12

**NCAA Approved 1 Credit**

**Prerequisite: Biology/Honors Biology required. May be taken concurrently with Earth/Space. Algebra II required and or concurrent.**

This course is designed to give a general background in the model concept part of chemistry and chemical experimentation, with emphasis upon problem solving. Topics such as the classes of matter, the mole concept, problem solving skills, atomic structure, periodicity, chemical bonding, chemical formulas, chemical equations, stoichiometry, and gas laws will be covered. Laboratory work will be an integral part of this course. Students should expect to spend more than the usual amount of time studying text and class material.



## HONORS CHEMISTRY (14232)

HONORS

Credit: 1 Grades 10, 11, 12

**NCAA Approved 1 Credit**

**Prerequisites:** Successful completion of Honors Biology. Algebra II required or concurrent. May be taken concurrently with Earth/Space and or Physics/Honors Physics with Departmental recommendation.

This course is designed for the highly motivated and self-disciplined college bound student who is interested in the science and/or medical field. This course will cover all the topics covered in Chemistry but at a much accelerated pace. Additional topics to be discussed will be liquids and solids, solutions chemistry. Laboratory work will be an integral part of this course. Students should expect to spend more than the usual amount of time studying text and class materials. This course is highly recommended for anyone interested in a career in the science and/or health fields.

## PHYSICS (14311)

COLLEGE PREPARATORY

Credit: 1 Grades 11, 12

**NCAA Approved 1 Credit**

**Prerequisites:** Algebra II and Geometry with a minimum of 84 grade average in both subjects. May be taken concurrently with Chemistry/Honors Chemistry or any other upper level science courses.

This course is designed to give the student a solid background in classical physics. Emphasis is placed on solving equations, thus a solid background in mathematics is required. Topics include: kinematics, Newton's laws, vector addition, forces in one and two dimensions, gravitation, rotational motion, momentum and its conservation, work, energy, and its respective conservation.

## HONORS PHYSICS (14312)

HONORS

Credit 1 Grades 11, 12

**NCAA Approved 1 Credit**

**Prerequisites:** Successful completion of Honors Biology or Honors Earth and Space Science. Algebra II and Geometry with a minimum of a 84 average in both subjects. May be taken concurrently with Honors Chemistry or any of the other upper level science courses.

This course is designed for the self motivated college bound or technology oriented student with a strong background in mathematics. It will provide a solid background for those students intending to pursue studies in science, engineering, mathematics, or related fields at the college level. The pace of the course will be accelerated and the material covered will be more in depth versus the traditional physics course. Topics include: kinematics, Newton's laws, forces in one and two dimensions, gravitation, rotational motion, momentum and its conservation, thermal energy, vibration, waves, and an introduction to electricity. Additional laboratory time will be required for this course.

## AP CHEMISTRY (14333)

ADVANCED PLACEMENT

Credit: 1 Grades 11, 12

**NCAA Approved 1 Credit**

**Prerequisites:** Chemistry, Physics, Honors Physics, Pre-Calculus, and teacher recommendation. Pre-Calculus and Physics/Honors Physics may be taken concurrently. Teacher recommendation required.

*This course has received official authorization by the College Board as an AP course.*

The AP Chemistry course is designed to be the equivalent of the general chemistry course usually taken during the first year of college. This will allow the industrious and highly motivated students an opportunity to complete a college level program to attain college placement. This course is designed and taught with the assumption that all students will take the AP examination at the end of the year. Previous AP exams and curricula will be used and followed throughout the year along with a college chemistry textbook. Since this is an AP course, students are expected to spend more than the usual amount of time studying class and text materials. A summer assignment is required.

## AP BIOLOGY (14413)

ADVANCED PLACEMENT

Credit: 1 Grades 12 (Recommended)

**NCAA Approved 1 Credit**

**Prerequisites:** Successful completion of Honors Biology and Chemistry. Physics or Anatomy and Physiology may be taken concurrently. Teacher recommendation required and a grade of 90% or above in ALL previous science courses.

*This course has received official authorization by the College Board as an AP Course.*

AP Biology offers the industrious and motivated student an opportunity to complete a college level program to achieve college placement. Hence, the AP Biology course is designed to be the equivalent of the general biology course usually taken during the first year of college. Following the course outline published by the College Board, students will study biochemistry, cytology, genetics, botany, zoology, and ecology. Laboratory work serves to foster scientific process skills while quantifying biological phenomena. To this end, there are twelve laboratories set forth by the College Board that the students will perform. This course is designed and taught with the assumption that all students will take the AP examination at the end of the year. A summer assignment is required and the students are expected to spend more than the usual amount of time studying class and text materials.

## ANATOMY & PHYSIOLOGY (14421)

COLLEGE PREPARATORY

Credit: 1

Grades 11, 12

**NCAA Approved 1 Credit**

**Prerequisites:** Successful completion of Biology and Chemistry. Teacher Recommendation required.

This class is designed for motivated students who are interested in a career in the medical field but have not had previous experience in honors level courses. It will provide students with an overview of the anatomy and physiology of a normal human body and its major parts. Students entering this course should have a basic understanding of biology and chemistry, including biochemistry, cell structures, and cell functions. Course topics include biochemistry, cell anatomy and physiology, anatomical terminology, tissues, and the anatomy and physiology of major body systems. Laboratory reports and microscopy are important parts of this course.

## HONORS ANATOMY & PHYSIOLOGY (14423)

HONORS

Credit: 1

Grades 11, 12

**NCAA Approved 1 Credit**

**Prerequisites:** Successful completion of Honors Biology and Honors Chemistry, AP Biology and AP Chemistry, or AP Chemistry and grade of 84% or above in ALL previous science courses. Teacher Recommendation required.

This course is designed for highly motivated, college-bound students with a high interest and aptitude for science who are planning on entering the medical field and studying human anatomy and physiology in college. It will provide students with an in-depth study of the interdependence of the structures and functions of a normal human body. Students entering this course must have a strong foundation of biochemistry and cell parts and their functions. Anatomical terminology, tissues, and the anatomy and physiology of major body systems will be covered in great detail. Formal laboratory reports, microscopy, laboratory practical exams, and dissections of various organs and organisms are important parts of this course.

## ENVIRONMENTAL SCIENCE (14431)

Credit: 1

Grades 11,12

**NCAA Approved 1 Credit**

This course is designed to teach the fundamentals of natural resource management, adaptability of species to an environment, and the importance of environmental preservation. Environmental laws, regulations and current issues will be explored. The economic impact of environmental resources will also be examined, with an emphasis placed on issues directly affecting the northeast region of Pennsylvania. *Students who enroll in AP Biology, AP Chemistry, Physics, Honors Physics, Anatomy & Physiology, Honors A & P are exempt from this course.*

## HONORS ENVIRONMENTAL SCIENCE (14432)

HONORS

Credit: 1

Grades 11,12

**NCAA Approved 1 Credit**

This course is designed for the highly motivated student interested in pursuing environmental science as an area of focus in college and as a career option. Students will be provided with a comprehensive study of natural resource management, adaptability of species to environment, and the importance of environmental conservation. Students will study the biological and chemical principles that relate to environmental laws, regulations, and current issues in a fast-paced, interactive format. Scientific analysis and solutions will be used to address the economic and ecological impact of environmental resource acquisition and consumption, with emphasis placed on issues directly affecting the northeast region of Pennsylvania. Students considering this course must be proficient in science, math and writing. Since this is an honors level course, students are expected to spend more than the usual amount of time studying text and class materials. Students must have successfully passed Biology and Chemistry and have a recommendation from a previous teacher.

## AP ENVIRONMENTAL SCIENCE

ADVANCED PLACEMENT

Credit: 1

Grades 11,12

Prerequisite: Chemistry, Biology and teacher recommendation.

**Pending NCAA Approval**

The AP Environmental Science course is designed to be a full-year introductory college course in Environmental Science. This Environmental Science course is offered from a wide variety of disciplines in science including geology, biology, other environmental studies, chemistry, and geography. This course is designed and taught with the assumption that all students will take the AP examination at the end of the year. Previous AP exams and AP curriculum will be used in addition to a college level textbook. Students are expected to spend more than the usual amount of time studying class and text materials in anticipation of successfully completing the AP exam. The general topics of this course include Earth Systems and Resources, The Living World, Population, Land and Water Use, Energy Resource and Consumption, Pollution, and Global Change.

**ZOOLOGY (14321)**

COLLEGE PREPARATORY

Credit: 1

Grades 11-12

***Pending NCAA Approval*****Prerequisites – successful completion of biology and chemistry**

This course will expand on fundamentals of biology and provide students with an introduction to the classification, relationships, structure, and function of the nine major animal phyla. Emphasis will be placed on characteristics and classification of animals, development and function of body systems, ecology and species interactions, and animal behavior. Class time will be put aside to examine a variety of live and preserved specimens representative of each group.

**HONORS PHYSICS II (14442)**

HONORS

Credit 1

Grade 12

***NOT NCAA Approval***

**Prerequisite: Successful completion of Honors Physics and Honors Pre Calculus with a minimum of a 84 average in both subjects.** May be taken concurrently with any of the other upper level science courses. This course is designed for the self motivated college bound or technology oriented student with a strong background in mathematics. It will provide an expanded background for those students intending to pursue studies in science, engineering, mathematics, or related fields at the college level. The course is a continuation of first level physics, with the goal of introducing more advanced topics and further expanding the students understanding of physical science. Topics include: DC Circuits, Ohm's Law, Electromagnetism, Thermodynamics, Light and Optics, Fluid Mechanics and Nuclear Physics. Additional laboratory time will be required for this course.

## GRADUATION REQUIREMENT ELECTIVES

### FRESHMAN EXPERIENCE (15111)

#### REQUIRED

Credit: .125 Grade 9

**NOT NCAA APPROVED**

**Prerequisite: None**

In this course students will examine topics designed to ease the transition to life in the High School setting. Students will begin to explore interests, work values and careers that are available in the post high school environment. Character education will be a focus including an examination of peer pressure, self esteem, self identity, making good choices, harassment and bullying.

### JUNIOR SEMINAR (15311)

#### REQUIRED

Credit: .125 Grade 11

**NOT NCAA APPROVED**

**Prerequisite: None**

In this course, timelines and application procedures will be discussed regarding college, trade school, military and work opportunities. Individual student transcripts will be reviewed to ensure that each student is on track for graduation. Standardized testing such as ACT and SAT will be explained, and students will have the opportunity to register on-line for these tests.

### CHILD DEVELOPMENT (15211)

#### REQUIRED

Credit: .250 Grades 10

**NOT NCAA APPROVED**

This course will provide an overview of the importance of child health, child care and early literacy development. Issues such as current child safety issues, environmental situations that can affect child development before and after birth and brain development will be explored.

### CHARACTER DEVELOPMENT (15411)

#### REQUIRED

Credit: .250 Grade 12

**NOT NCAA APPROVED**

This course will assist students' development of higher order of thinking skills. Globalization of the world in the 21st century will affect all citizens in all nations. This course examines the relationship between the student's ability to think critically and to make responsible decisions. Selected readings will be used as discussion forums. Skills learned in the course can be applied to other courses in high school, as well as important life decisions students will face after high school.

### PHYSICAL EDUCATION (15121/15321)

#### REQUIRED

Credit: .5 Grades 9,11

**NOT NCAA APPROVED**

**Prerequisite: None**

Each year, every student is required to participate in and successfully complete Physical Education. A wide range of activities are offered from dance, team sports, individual sports, and lifetime sports.

### WELLNESS/PHYSICAL EDUCATION 10 (15221)

#### REQUIRED

Credit: .250 Grade 10

**NOT NCAA APPROVED**

Wellness 9 explores communicable, non-communicable and chronic diseases. Mental/Emotional problems, as well as bullying and safety in the environment will be discussed. Nutrition, Hygiene, and Drugs and Alcohol will be among the topics explored. Current health events will be discussed weekly. Students will be participating in a weekly physical education lab.

### WELLNESS/PHYSICAL EDUCATION 12 (15431)

#### REQUIRED

Credit: .250 Grade 12

**NOT NCAA APPROVED**

Wellness 12 examines the mind/body connection and promotes research and medical advances in disease prevention. Students analyze factors that impact the body systems, such as, nutrition, fitness, the environment, health status and today's health care. Students will be participating in a weekly physical education lab.

## WORLD LANGUAGE ELECTIVES

### FRENCH I (16711)

ELECTIVE

Credit: 1 Grades 9, 10, 11, 12

**NCAA Approved 1 Credit**

**Prerequisite: None**

French I stresses speaking ability, including pronunciation, knowledge of vocabulary and cognates, and use of phrases, questions, and answers. As the course progresses, emphasis is placed on writing and speaking in the present tense, using basic grammar and vocabulary to form sentences and answer questions. The course also includes an introduction to cultures and current events around the Francophone world.

### FRENCH II (16721)

ELECTIVE

Credit: 1 Grades 10, 11, 12

**NCAA Approved 1 Credit**

**Prerequisite: Successful completion of French I**

French II students continue to develop speaking and writing proficiency at an increasingly complex level, building on the foundation established in French I. Communication continues in the present tense, with some past tense introduced. Students continue to explore the various areas of the Francophone world through independent and group research and current events.

### FRENCH III (16731)

ELECTIVE

Credit: 1 Grades 11, 12

**NCAA Approved 1 Credit**

**Prerequisite: Successful completion of French II**

The third year French student engages in more advanced speaking, writing, reading and listening. Large and small group learning is an integral part of this course.

### FRENCH IV (16741)

ELECTIVE

Credit: 1 Grade 12

**NCAA Approved 1 Credit**

**Prerequisite: Successful completion of French III**

French IV greatly emphasizes the ability to comprehend the spoken and written language. Students should be able to speak conversationally and write paragraphs with ease. Students will be able to conjugate verbs in present, future, past, imperfect tenses and the subjunctive and conditional moods. Finally, students will gain more knowledge of the Francophone cultures by researching French-speaking countries and their customs and traditions. The course will also involve the study of French literature.

### SPANISH I (16751)

ELECTIVE

Credit: 1 Grades 9, 10, 11, 12

**NCAA Approved 1 Credit**

**Prerequisite: None**

Spanish I emphasizes communication in both the written and spoken form as well as development of listening and reading skills. A wide range of vocabulary units are covered, including family and friends, daily life, the community and school. Communication is conducted primarily in the present tense. Emphasis is placed on proper pronunciation techniques of the target language. Cultural awareness is an important aspect of the course as students are not only exposed to the language, but to a study of the people and their customs as well.

### SPANISH II (16761)

ELECTIVE

Credit: 1 Grades 10, 11, 12

**NCAA Approved 1 Credit**

**Prerequisite: Successful completion of Spanish I**

Spanish II further develops the vocabulary of Spanish I as it is an extension of the previous course. Vocabulary is enhanced through conversations pertaining to topics such as technology, school, past times, and descriptions of self and others. Reading selections are mainly comprised of short stories and fairy tales in the target language. Grammatically, students are presented with the present and past tenses, as well as commands. Cultural exploration continues through a study of Hispanic media, music and current events.

## WORLD LANGUAGE ELECTIVES (CONTINUED)

### SPANISH III (16771)

ELECTIVE

Credit: 1

Grades 11, 12

**NCAA Approved 1 Credit**

**Prerequisite: Successful completion of Spanish II**

All grammar to date will be utilized and the subjunctive mood will be introduced. Continued emphasis will be on reading, writing and speaking. Spontaneous and directed dialogues will be employed. Short stories and classic literature, including selections from Don Quixote, will be presented. Writing will become increasingly self-directed and will touch upon a variety of themes, from classic literature to contemporary.

### AP SPANISH/SPANISH IV (16783)

ADVANCED PLACEMENT

Credit: 1

Grade 12

**NCAA Approved 1 Credit**

**Prerequisite: Successful completion of Spanish III**

*This course has received official authorization by the College Board as an AP course.* Instruction will emphasize preparation for the Advanced Placement Exam and college testing. Mastery of vocabulary, grammatical structures, utilization of various verbal structures, and knowledge of all tenses is required. Speaking exercises will consist of creative description utilizing all tenses. Excerpts from numerous sources will reinforce reading skills. Creative writing in a variety of settings will also be required.

### ROSETTA STONE IS (16791)

ELECTIVE

Credit: .500 and 1.000

Grades 10, 11, 12

**NCAA Approved 1 Credit (Chinese Only)**

**Prerequisite: Acceptance through application to the guidance department**

This course is an independent study using the Rosetta Stone program as the primary means of instruction. Rosetta Stone utilizes audio and visual cues to engage students in the immersion of the chosen language. This course is delivered online, where students must use trial and error as well as intuition to learn the foreign language without support in English. The course is graded as Pass/Fail. The grade is based on the progress made by the student in the Rosetta Stone program, which is monitored by a world language teacher at the high school. Students may choose to study the following languages: Arabic, Chinese (mandarin), Dutch, Filipino, German, Greek, Hebrew, Hindi, Irish, Italian, Japanese, Korean, Latin, Persian, Polish, Portuguese, Russian, Swedish, Turkish, and Vietnamese.

## FINE ARTS ELECTIVES

### SYMPHONIC BAND (16911)

ELECTIVE

Credit: 1

Grades 9, 10, 11, 12

**NOT NCAA APPROVED**

**Prerequisite: None**

Students will have the opportunity to participate and perform in a large instrumental ensemble. Traditional and contemporary pieces from the band repertoire will be explored. In addition, students will receive one small group or private lesson per week. Winter and spring concerts will showcase the musical works taught during the year. Students are expected to attend all performances.

### MUSIC THEORY AND COMPOSITION(16931)

ELECTIVE

Credit: .500

Grades 9, 10, 11, 12

**NOT NCAA APPROVED**

**Prerequisite: None**

Music Theory and Composition will explore various topics that define music's inner workings. These include notation, scales, key signatures, intervals, rhythm, chords, harmonic progression and form and analysis. Elements of composition will also be discussed as new theory topics are introduced. Students will compose using the noteflight website.

### PRIVATE LESSONS (16921)

ELECTIVE

Credit: Dependent upon # of days assigned

Grades 9, 10, 11, 12

**NOT NCAA APPROVED**

**Prerequisite: None**

Students who are not involved in concert band and wish to study an instrument may sign up for private lessons. The private lessons are contingent upon curriculum availability. Arrangements will be made by the music instructor.

### CHORUS (16941)

ELECTIVE

Credit: 1

Grades 9, 10, 11, 12

**NOT NCAA APPROVED**

**Prerequisite: willingness to sing and desire to perform**

Chorus members study and perform a wide variety of music. Students will perform three concerts per school year. Students will also develop ear training and music reading abilities. Opportunities are available to members to audition for District, Regional and All-State Chorus.

### GUITAR I (16951)

ELECTIVE

Credit: 1

Grades 9, 10, 11, 12

**NOT NCAA APPROVED**

Students will learn basic skills including notation, rhythm, and technique. Basic chords and progressions will be reviewed. Students will perform alone and in groups

### GUITAR II (16961)

ELECTIVE

Credit: 1

Grades 10, 11, 12

**NOT NCAA APPROVED**

**Prerequisite: Guitar 1 and/or student audition.**

This course is designed for the serious guitar student. We will focus on chordal progressions, ear training, soloing in different genres, and theoretical concepts.

### GUITAR III (16991)

ELECTIVE

Credit: 1

Grades 11, 12

**NOT NCAA APPROVED**

**Prerequisite: Successful completion of Guitar I and Guitar II and teacher approval**

This class is for the serious guitar student who can work independently. In Guitar III, students will develop their own objectives and meet bi-weekly with teacher to discuss progress and what new goals should be started.



## FINE ARTS ELECTIVES (CONTINUED)

### MUSIC TECHNOLOGY (16971)

ELECTIVE

Credit: .500 Grades 9, 10, 11, 12

**NOT NCAA APPROVED**

**Prerequisite: None**

Music technology is a growing field in today's music scene. In this course students will learn about different modern recording techniques including looping, sampling and remixing as well as developing skills in studio recording. While being able to play an instrument or sing is encouraged, it is not required and should not discourage students with an interest in recording to not take this course.

### ART I (16811)

ELECTIVE

Credit: 1 Grades 9, 10, 11, 12

**NOT NCAA APPROVED**

**Prerequisite: None**

Students develop observational drawing and painting skills through a series of small projects that introduce a variety of media and subject matter. Upon completion of this series, students engage in independent studio projects that allow for choice in media and subject matter that pose challenges leading to artistic growth. The goal is for students to develop confidence in their ability to represent images accurately, and to create strong foundational skills needed for upper-level art courses.

### ART II (16821)

ELECTIVE

Credit: 1 Grades 10, 11, 12

**NOT NCAA APPROVED**

**Prerequisite: Successful completion of Art I**

This course is designed for the student who wishes to continue developing his or her art skills in the areas of Drawing and Painting. Students will create a series of artworks incorporating their personal interests in both media and subject matter with the goal of confronting a variety of artistic challenges.

### ART III/Drawing-Painting (16831)

ELECTIVE

Credit: 1 Grade 11,12

**NOT NCAA APPROVED**

**Prerequisite: Successful completion of Art II**

Students in Art 3 will continue to explore both 2-D and 3-D dimensions in art. Challenges will increase as students mature aesthetically. Problems in surface decoration, construction, and illustration will be confronted.

### AP ART/PORTFOLIO DEVELOPMENT (16844)

ADVANCED PLACEMENT/ELECTIVE

Credit: 1 Grade 11/12

**NOT NCAA APPROVED**

*This course has received official authorization by the College Board as an AP Course.*

This course is for the student entertaining the possibility of entering the art world post high-school. Students will work on developing a portfolio suitable to the needs of college applicants and demonstrating technically advanced works of art in a variety of media that speaks to Quality, Concentration, and Breadth as outline within the AP Guidelines.

### FILM FEST (16861)

ELECTIVE

Credit: .500 Grades 9,10,11,12

**NOT NCAA APPROVED**

**Prerequisite: None**

Film Fest is an Art Appreciation course based on the critical analysis of film as an artistic medium. Students will learn about the film and movie industry, identify the work of famous directors, and understand the history and evolution of film through viewing, discussing, and writing about historically groundbreaking films within various genres including sci-fi, horror, independent, documentary, and foreign films.



## FINE ARTS ELECTIVES (CONTINUED)

### GREEN DESIGN (16881)

ELECTIVE

Credit: .500

Grades 9,10,11,12

**NOT NCAA APPROVED**

**Prerequisite: None**

The emphasis of this course is on 3-D art media; sculpture, crafts, and environmentally sustainable design. Studio projects will involve the crafting of beautiful and/or functional products from natural, repurposed, and recyclable materials. Areas of exploration include paper-making, metals, jewelry, mosaics, assemblage, ceramics, and fiber arts.

### PROJECT-BASED ART HISTORY (16851)

ELECTIVE

Credit: .500

Grades 9,10,11,12

**NOT NCAA APPROVED**

**Prerequisite: None**

This class is for students who have an interest in Art History, contemporary works of art, and in examining aesthetic controversies through engagement in related studio projects. What do we take for granted when viewing an image? Where do we draw the line between art and non-art? Students will grapple with these questions, among others, as they work to represent their discoveries through the creation of independently selected works of art.

### MOUNTAIN MAN CRAFTS AND SKILLS (16891)

ELECTIVE

Credit: .500

Grades 9,10,11,12

**NOT NCAA APPROVED**

This course is for outdoor enthusiast's. Students will explore projects that are both practical and artistic. This class is designed for the outdoor enthusiast that has an interest in making projects which have a direct link to the functional crafts and tools of the wilderness.

**Important:** Projects require small supply fees. Potential projects include: fishing lures, creels, leather possibilities bag, snow shoes, game calls etc.

### DIGITAL PHOTOGRAPHY (16871)

ELECTIVE

Credit: .500

Grades 9,10,11,12

**NOT NCAA APPROVED**

**Prerequisite: None**

This course will help the students become well rounded in the fundamentals of digital photography. Students will learn how camera settings, lighting, and composition work toward successful results as well as how to utilize open source editing software. They will learn about the history of photography as an artistic medium, speculate on the deeper meaning hidden within photographic compositions and produce a body of work exploring visual communication of abstract concepts.

### PAINTING (16812)

ELECTIVE

Credit: .500

Grades 9,10,11,12

**NOT NCAA APPROVED**

**Prerequisite: None**

This course will provide students with an opportunity to explore a variety of paint media including watercolor, acrylics, and oil paints. In addition to the collaborative creation of murals for our building, students will engage in assignments that are personalized and geared toward helping them to further develop and improve their existing art skills.

## FAMILY CONSUMER SCIENCE ELECTIVES

### BON APPETIT (16114)

ELECTIVE

Credit: .500

Grades 10,11,12

**NOT NCAA APPROVED**

**Prerequisite: None**

This course is designed to teach students basic cooking and safety in the kitchen. Students will learn the scientific side of food, proper etiquette, and food technology. They will be preparing and sampling a variety of foods. The students will also demonstrate the ability to work cooperatively with others which is vital to the successful completion of this course. Students will participate in a performance component/competition to demonstrate their knowledge acquired as part of the assessment during this course.

### BON APPETIT II (16115)

ELECTIVE

Credit: 1.00

Grades 11,12

**NOT NCAA APPROVED**

**Prerequisite: Bon Appetit**

This course is designed to teach students advanced cooking techniques. Students will learn how to make Pates and Parfaits, as well as advanced meat preparation and sauces. How to make jus, home-made pasta and breads will also be presented. They will be preparing and sampling a variety of International Foods. The students will also demonstrate the ability to work cooperatively with others which is vital to the successful completion of this course. Students will participate in a performance component/competition to demonstrate their knowledge acquired as part of the assessment during this course. Prerequisite is Bon Appetit I.

## FITNESS ELECTIVES

### PHYSICAL FITNESS (15421)

ELECTIVE

Credit: 1

Grade 12

**NOT NCAA APPROVED**

**Prerequisite: None**

The class, which meets six times per cycle, is an alternative to Physical Education. If a student has failed Physical Education, Physical Fitness may not be taken in its place without the permission of the instructor.

## SCIENCE ELECTIVES

### COMPUTER SCIENCE PRINCIPLES (16021)

ELECTIVE

Credit: .50

Grades 9-12

**PENDING NCAA APPROVAL**

**Prerequisites: 84% or higher in Algebra 1 or Algebra 2**

Computer Science Principles introduces students to the foundations of modern computing. Computing affects almost all aspects of modern life, and all students deserve an education that prepares them to pursue the wide array of intellectual and career opportunities that computing has made possible. The course covers a broad range of foundational topics such as programming, algorithms, the internet, big data, digital privacy and security, and the societal impacts of computing. Computer Science Principles gives students the opportunity to use current technologies to create computational artifacts for problem solving and seeks to provide foundational knowledge and skills to meaningfully participate in our increasingly digital society, economy, and culture.

### STREAMLINE: Intro to STEM (16011)

ELECTIVE

Credit: .50

Grades 11,12

**PENDING NCAA APPROVAL**

**Prerequisite: Successful completion of Geometry**

Experience real world application of science, technology, reading, engineering, art and math in a course that allows you to choose your own adventure. STREAMLINE is a project-based course that will provide students with a motivating and engaging introduction to the application of multiple content areas in a real-world situation. The curriculum will be inquiry-based with a student-centered focus. Students will rely on teamwork, communication, and cross-curricular knowledge to solve engineering and technology problems that have a direct correspondence with current and future employment prospects. Students will have the opportunity to practice job related skills with experts in the field, and experience what it takes to be part of a team that is focused on solving tomorrow's problems today! Students will be challenged to think critically, creatively, innovatively and collaboratively.

## SOCIAL STUDIES ELECTIVES

### ECONOMICS (16631)

ELECTIVE

Credit: 1

Grades 10, 11, 12

**NCAA Approved 1 Credit**

**Prerequisite: None**

This course introduces the student to the basic elements of micro and macroeconomics. Economic systems, market structures, the role of government, the banking system, fiscal policy, the Federal Reserve and the stock market are examined. Special emphasis is placed on the role of government reasoning and how it applies to individual choice, social action, government policy/regulation, and challenges within the international economic community

### PSYCHOLOGY (16611)

ELECTIVE

Credit: 1

Grades 11, 12

**NCAA Approved 1 Credit**

**Prerequisite: None**

This elective provides a basic understanding of behavioral science by surveying the major principles of psychology. This course introduces the history of psychology, research methodologies, learning and memory, level of consciousness, biological bases of behavior human development, personality development, abnormal behavior, and treatment of psychological disorders. The course is designed to prepare students for college level introductory psychology.

### SOCIOLOGY (16621)

ELECTIVE

Credit: 1

Grades 11, 12

**NCAA Approved 1 Credit**

**Prerequisite: None**

This course provides a challenging and thought-provoking survey of the study of human society and social interaction. The course examines the origins of sociological thought, theoretical perspectives, and the role of culture in society. Special emphasis is placed on the process of socialization, stratification, mobility, deviance, and movements on national and global levels.

### THE AMERICAN CIVIL WAR (16651)

ELECTIVE

Credit: .500

Grades 11, 12

**NCAA Approved .50 Credit**

**Prerequisite : Successful completion of Civics/Geography**

This semester long course will extensively examine the many facets of the American Civil War and its role in American and military history. Topics that will be explored include: causes of the war; politics of each government/president; strategies and tactics; weaponry, uniforms and equipment; period music; personalities; key battles and their aftermath; period photography; the home front; the assassination of Lincoln; and the Reconstruction period. This is a writing intensive course that will require at least one research paper and various readings throughout the course.

### THE HOLOCAUST (16641)

ELECTIVE

Credit: .500

Grades 11, 12

**NCAA Approved .50 Credit**

**Prerequisite: Successful completion of Civics/Geography**

In this semester course, students will explore the historical, social, and psychological aspects of the Holocaust, from 1933-1945 in Europe. The history of anti-Semitism, as well as other prejudice and discriminatory behavior will be explored. Emphasis will be placed on the need to promote tolerance and open communication, as well as the need to build bridges between different social groups in order to apply the lessons of this historical topic.

## SOCIAL STUDIES ELECTIVES (CONTINUED)

### NATIONAL HISTORY DAY (16662)

HONORS ELECTIVE

**NOT NCAA APPROVED**

This honors level course is designed for the student who is interested in completing a History Day project. Completing a History Day project is an academically rigorous and time intensive experience. Only those students with a high level of interest in history should consider enrolling in this course. All students have the option to work independently or in groups. It is highly recommended that the History Day student be enrolled in Honors History courses; however, it is not required. It is also recommended that students have strong writing and reading skills, as this is a research based course. This course is NOT available as an independent study option. ***Students enrolled in this course must finish, at minimum, a school level project and will not be able to drop the course prior to that for any reason unless extenuating circumstances present themselves.***

### HONORS GLOBAL STUDIES (16672)

HONORS

Credit: 1

Grade 10-12

***Pending NCAA Approval***

**Prerequisite: Successful completion of Honors World History and/or Departmental Recommendation**

This course is designed for the intrinsically motivated and intellectually curious student who desires to explore the world outside of North America. Taking a culturally geographic approach, the course focuses on eight areas of the world: The Middle East, South Asia, China, Japan, Southeast Asia, Australia and Polynesia, South and Central America, and Africa. If time, aspects of Europe will also be explored at the end of the course.

Each unit will cover geography, history, culture (including architecture, religion, music, art, food, and pop culture), current issues and relations with other countries. The course strives to create a citizen with an appreciation and sensitivity of foreign cultures, and an awareness of increasing interglobal dependency that nations of the world have in the 21st century.

## TECHNOLOGY ELECTIVES

### GRAPHIC ARTS I (16111)

ELECTIVE

Credit: 1 Grades 9, 10, 11, 12

**NOT NCAA APPROVED**

**Prerequisite: None**

This course provides students with a vocational knowledge in the field of Graphic Arts. Students develop an appreciation for craftsmanship of the basic printing process. Projects may include letterpress, bookbinding, offset printing, screen printing and Desktop Publishing using the Adobe Suite software.

### GRAPHIC ARTS II (16211)

ELECTIVE

Credit: 1 Grades 10, 11, 12

**NOT NCAA APPROVED**

**Prerequisite: Graphic Arts I**

Basic information on modern printing methods and materials are stressed in this course. Strong emphasis is placed on good craftsmanship and developing a vocational knowledge of the graphic arts industry. Students will experience a business type atmosphere as they will be graphically designing and producing work for a client (other teachers within the district). Projects may include business cards, multi-color t-shirts, programs, posters, digital printing and sign making.

### IS GRAPHICS III (16311)

ELECTIVE

Credit: 1 Grades 10, 11, 12

**NOT NCAA APPROVED**

**Prerequisite: Graphic Art I, Graphic Arts II and Teacher Recommendation**

Throughout Graphic Communication, it is imperative to understand how the print industry works. It allows us to design and create new works of "art" which we can print onto different textiles, whether it is on paper, tile, hats, or shirts, and to do this we need to be able to tell the difference between primary and additive colors. Please name the 3 primary colors and explain the chemical make-up of each.

### COMMUNITY GRAPHICS (16112)

ELECTIVE

Credit: .50 Grades 9,10, 11, 12

**NOT NCAA APPROVED**

**Prerequisite: None**

Basic information on modern printmaking techniques will be discussed in this course. Students will be producing work for the community as a need arises. Students will experience hands on applications of screen printing, sign making, operating paper cutters, and using digital printers.

### ARCHITECTURAL DRAFTING AND LANDSCAPE DESIGN (16331)

ELECTIVE

Credit: 1 Grade 11, 12

**NOT NCAA APPROVED**

**Prerequisite: Algebra I recommended**

This year long course will extensively examine the many facets of Architectural Drafting and landscape design. Topics that will be explored will include technical sketching, technical drawing, Computer-aided drafting (CAD), map reading and model building. Activities include: investigative house styles, custom home designing, garden and landscape drawing and planting, scale planning and model construction. The course is highly recommended for students considering a future in the building trades, or landscape architects.

### WOODWORKING TECHNOLOGY I (16121)

ELECTIVE

Credit: 1 Grades 9, 10, 11, 12

**NOT NCAA APPROVED**

**Prerequisite: None**

This course provides a comprehensive study in basic woodworking. Areas of study include: safety, measuring and layout, patternmaking, wood identification, project development and construction techniques, hand and machine uses and care, wood processing, sanding and finishing, hardware choices and installation, technical sketching and design. This course should challenge student woodworking abilities and should encourage them to continue to develop skills in the woodworking field. Students will explore many instructional areas and practice the learned skills while constructing three projects.

## TECHNOLOGY ELECTIVES (CONTINUED)

### WOODWORKING TECHNOLOGY II (16221)

ELECTIVE

Credit: 1

Grades 10, 11, 12

**NOT NCAA APPROVED**

**Prerequisite: Woodworking Technology I**

This course is designed to expand upon the information presented in the Woodworking Technology I class. Additionally the course is designed to introduce students to the construction industry. Areas of study include: safety, surveying, and layout techniques, job planning, job training, hand tool and machine tool use and care, portable power tool use and care, project development, blue print reading, construction framing and finishing techniques, job estimating, building codes, continuing education and employment opportunities in the field of cabinet making and building construction. Students will explore many instructional areas and will complete three projects.

### WOODWORKING TECHNOLOGY III (16321)

ELECTIVE

CREDIT:1

Grades 11,12

**NOT NCAA APPROVED**

**Prerequisite: Woodworking Technology II**

Woodworking Tech 3 is an advanced woodworking class that revolves around the sole use of hand tools. The projects built in class are based on historical originals and replicated using vintage woodworking processes and tools. Areas of study include sawing processes, lay out and hand cutting dovetails, sliding and other woodworking joints, fit and assembly techniques, surface preparation, finishing and restoration of new and antique wooden projects. Students are exposed to a variety of new and antique hand tools and should learn processes in sharpening and maintenance, project design and development, and pricing. Students will be required to construct three projects during the class.

## LANGUAGE ARTS ELECTIVES

### JOURNALISM (16511)

ELECTIVE

Credit: .50

Grades 10, 11, 12

**NCAA Approved .5 Credit**

**Prerequisite: None**

Journalism focuses on the Pennsylvania Core Standards for 10<sup>th</sup>, 11<sup>th</sup> and 12<sup>th</sup> grades. This course challenges students by exposing them to the rudiments of gathering, writing, and editing the news. It will introduce the techniques and ethics of journalistic writing. While honing basic writing skills, students will learn to write in the inverted pyramid, create effective headlines, determine news worthiness, select appropriate topics, conduct interviews, separate fact from fiction, attribute information, remain objective, and understand the responsibilities of a free press. Major class assignments include journalistic writing, a comparison/contrast presentation, a debate, and a final project.

### MYTHOLOGY (16521)

ELECTIVE

Credit: .50

Grades 10,11, 12

**NCAA Approved .5 Credit**

**Prerequisite: None**

Mythology focuses on the Pennsylvania Core Standards for 10<sup>th</sup>, 11<sup>th</sup> and 12<sup>th</sup> grades. This course challenges students by introducing them to a variety of mythologies, spanning Egyptian, Greek, and Roman periods, among others. Through analysis of a selection of myths from each culture, students will discover themes and patterns that are still relevant today. Major class assignments include an APA research paper, an MLA persuasive essay, a group project and presentation, and a final individual project and presentation.

### THEATRE PRODUCTION (16531)

ELECTIVE

Credit: .50

Grades 10,11,12

**NOT NCAA APPROVED**

**Prerequisite: None**

Theatre focuses on the Pennsylvania Core Standards for 10<sup>th</sup>, 11<sup>th</sup> and 12<sup>th</sup> grades. This course will challenge students by presenting an overview of the roots of drama, its evolution, and the various components of stage productions. Students enrolled in the theatre course will be expected to contribute to the school's performance during that semester; however, this may be accomplished through filling an acting role or helping with staging. Students taking this course should have a sincere interest in acting and/or production aspects of theatre. Major class assignments include a variety of oral presentations, presentations for elementary students, and a final portfolio presentation.

### SHAKESPEARE: THE BEST OF THE BARD (16541)

ELECTIVE

Credit: .50

Grades 11,12

**NCAA APPROVED .5 Credit**

**Prerequisite: NONE**

Shakespeare: The Best of the Bard focuses on the Pennsylvania Core Standards for 11<sup>th</sup> and 12<sup>th</sup> grades. This course challenges students by presenting a selection of Shakespeare's works, including a history play, comedies, and sonnets, such as Henry IV, A Midsummer Night's Dream, The Taming of the Shrew, and The Merchant of Venice. Film reviews will be an integral part of the course in order to highlight the timeless nature of Shakespeare's works. Major class assignments include an APA research paper on historical background, a comparison/contrast presentation, an MLA literary analysis essay, a character sketch, and a final project in APA format.

### HONORS SHAKESPEARE: THE BEST OF THE BARD (16542)

ELECTIVE

Credit: .50

Grades 11,12

**NCAA APPROVED .5 Credit**

**Prerequisite: Honors English 10 or Honors American Literature and Honors Language Arts Elective**

Honors Shakespeare: The Best of the Bard focuses on the Pennsylvania Core Standards for 11<sup>th</sup> and 12<sup>th</sup> grades. This course challenges students by presenting a selection of Shakespeare works, including a history play, comedies, and sonnets, such as Henry IV, Henry V, A Midsummer Night's Dream, The Taming of the Shrew, Othello, and The Merchant of Venice. Film reviews will be an integral part of the course in order to highlight the timeless nature of Shakespeare's works. Major class assignments include an APA research paper on historical background, a comparison/contrast presentation, an MLA literary analysis essay, a character sketch, and a final project in APA format. Honors students will also be required to complete an independent critical analysis of a film based on one of the titles listed above.



## LANGUAGE ARTS ELECTIVES (CONTINUED)

### College Prep for Struggling Writers (16551)

ELECTIVE

Credit: .50

Grades 11,12

**NCAA APPROVED .5 Credit**
**Prerequisite: None**

College Prep for Struggling Writers focuses on the Pennsylvania Core Standards for 11<sup>th</sup> and 12<sup>th</sup> grades. This course is designed for students who are sincere in their desire to improve their writing skills in preparation for college-level work. It takes a workshop approach with emphasis on research writing as a process, focusing on developing skills in both MLA and APA formats. Major class assignments include research papers in both MLA and APA styles, formal class presentations based on research findings, as well as smaller writing assignments aimed at practicing narrative and persuasive modes.

### Ancient Literature: Where It All Began (16561)

ELECTIVE

Credit: .50

Grades 11,12

**NCAA APPROVED .5 Credit**
**Prerequisite: None**

Ancient Literature: Where It All Began focuses on the Pennsylvania Core Standards for 11<sup>th</sup> and 12<sup>th</sup> grades. This course challenges students by presenting a selection of ancient literature, such as Gilgamesh, the Iliad, Oedipus, Aeneid, and Dante's Inferno. Students will examine the themes showcased in these works and draw connections to today's society, thus proving their permanence and universality. Major class assignments include an APA research paper on historical background, a comparison/contrast presentation, an MLA literary analysis essay, a character sketch, and a final project in APA format.

### HONORS Ancient Literature: Where It All Began (16562)

ELECTIVE

Credit: .50

Grades 11,12

**NCAA APPROVED .5 Credit**
**Prerequisite: Honors English 10 or Honors American Literature and an Honors Language Arts Elective**

Honors Ancient Literature: Where It All Began focuses on the Pennsylvania Core Standards for 11<sup>th</sup> and 12<sup>th</sup> grades. This course challenges students by presenting a selection of ancient literature, such as Gilgamesh, the Iliad, The Odyssey, Oedipus, The Aeneid, and Dante's Inferno. Students will examine the themes showcased in these works and draw connections to today's society, thus proving their permanence and universality. Major class assignments include an APA research paper on historical background, a comparison/contrast presentation, an MLA literary analysis essay, a character sketch, and a final project in APA format. Honors students will also be required to complete an independent critical analysis of a film based on one of the titles listed above.

### The Page-Turners' Book Club (16571)

ELECTIVE

Credit: .50

Grades 11,12

**NCAA APPROVED .5 Credit**
**Prerequisite: None**

The Page-Turners' Book Club focuses on the Pennsylvania Core Standards for 11<sup>th</sup> and 12<sup>th</sup> grades. This course challenges students by mirroring a classic book club experience, which requires them to adopt a higher level of independence in reading, thought, and class preparation. Students will be expected to facilitate class or small group discussions based on contemporary novels. Pop culture trends will drive the featured titles. Major class assignments include a narrative essay, an APA research paper, a character sketch, and a final project and presentation.

### Reading Outside the Book (16581)

ELECTIVE

Credit: .50

Grades 11,12

**NOT NCAA APPROVED**
**Prerequisite: None**

Reading Outside the Book focuses on the Pennsylvania Core Standards for 11<sup>th</sup> and 12<sup>th</sup> grades. This course challenges students to analyze songs, poetry, screenplays, and blogs, and using what they have discovered, draft their own pieces of creative writing. It will emphasize modern works, chosen by both instructor and students, and will require students to identify the common thematic thread among mediums. Major class assignments include an APA research paper on historical background, a comparison/contrast presentation, an MLA literary analysis essay, a debate, and a final project in APA format.



## LANGUAGE ARTS ELECTIVES (CONTINUED)

### Unraveling Childhood Literature (16591)

ELECTIVE

Credit: .50

Grades 11,12

**NCAA APPROVED .5 Credit**

**Prerequisite: None**

Unraveling Childhood Literature focuses on the Pennsylvania Core Standards for 11<sup>th</sup> and 12<sup>th</sup> grades. This course presents a unique perspective on familiar tales. Students will analyze the hidden meanings in children's literature, such as the works of Dr. Seuss and Shel Silverstein, Disney classics, Grimm's Fairytales, and Aesop's Fables. Major class assignments include an APA research paper on historical background, a comparison/contrast presentation, an MLA literary analysis essay, a character sketch, and a final project in APA format.

### YOUNG SCHOLARS PROGRAM (16441)

ELECTIVE

Credit: 1

Grades 11,12

**NOT NCAA APPROVED**

Young Scholars is open to eleventh and twelfth grade students interested in enrolling in college level courses at five area colleges/universities: Misericordia University, King's College, Luzerne County Community College, Wilkes University, and Penn State University Wilkes-Barre Campus. Students must inform their Guidance Counselor of their intent to participate in the program in the spring during rostering for the next academic year. This will assist in adjusting any schedules to provide the student with the best opportunity to select from a variety of college courses. The courses will be considered electives and will factor into the overall credits required for graduation.

Guidance Counselors are available to assist students in the adjustment of schedules. Students are required to inform the Guidance Office of their approved participation once they receive notification from the perspective college. Information and applications can be found on each institutions website. Search the website for directions, each institution varies regarding procedure.

**The Young Scholars course cannot replace and/or conflict with any required courses necessary for graduation as outlined in this curriculum guide.**

#### YOUNG SCHOLARS PROGRAM CRITERIA

- The student must have at least a 90% (B) overall average.
- The student should have exemplary attendance and disciplinary records.
- Evening Classes may be taken
- It is the *responsibility of the student* to notify the Guidance Office of registration and acceptance and to provide written verification, including: course title, time and days of class so that any necessary schedule adjustments can be made.
- Should the college deny acceptance, it is the *responsibility of the student* to notify the Guidance Office.
- Student is responsible for providing final grades for the completed courses to the guidance office.
- **Any tuition/fees are to be paid by the student.**

### FUTURE TEACHERS PROGRAM (16471)

ELECTIVE

Grades 12

**NOT NCAA APPROVED**

The Future Teachers Program is a course designed for twelfth grade students interested in exploring careers in education. Students will participate on a semester basis earning .500 credits per semester. Students will assist an elementary classroom teacher in a variety of duties, such as: Organizing learning centers, presenting lessons and/or one-on-one tutoring. Future teachers is open to seniors in good academic, attendance AND discipline standing. Recommendations and parent permission are required.

# Specialized Program of Instruction

## **BASIC ENGLISH 9 (17111)**

Credit: 1 Grade 9

### ***NCAA Approved 1 Credit***

This course is designed to introduce students to contributions during the 20th Century. American authors and literacy contributions will be reviewed in a chronological order. Students will explore the time period through novels, short stories, poetry and speeches.

## **BASIC ENGLISH 10 (17211)**

Credit: 1 Grade 10

### ***NCAA Approved 1 Credit***

This course continues the study from World Literature I. Students will experience readings from the Renaissance to modern times. Instruction in grammar, vocabulary, comprehension, writing, and research will be integrated in the daily lessons. Students will also be progress monitored in the areas of oral reading fluency, comprehension and writing skills until exiting criteria is achieved.

## **BASIC ENGLISH 11 (17311)**

Credit: 1 Grade 11

### ***NCAA Approved 1 Credit***

This course provides students' exposure to American Literature from the 1900's to the present. Students will experience American Literature in the forms of poetry, novels, short stories, and reading passages. Instruction in grammar, vocabulary, comprehension, writing, and research will also be integrated in daily lessons/assignments. Students will also be progress monitored in the areas of oral reading fluency, comprehension and writing skills until exiting criteria is achieved.

## **BASIC ENGLISH 12 (17411)**

Credit: 1 Grade 12

### ***NCAA Approved 1 Credit***

This course studies British Literature from the Anglo-Saxon period to the modern period. Students will be required to read, analyze, and respond in writing to reading assignments. The second focus of the course is instructed toward Senior Projects. Students will complete the following: a project plan of action, research paper, reflection paper, power point presentation and a tri-fold poster board.

## **GENERAL ENGLISH 9 (18111)**

Credit: 1 Grade 9

### ***NCAA Approved 1 Credit***

This course is designed to reinforce basic writing skills. This includes the correct use of grammar and punctuation, parts of speech, and paragraph writing with a topic sentence and supporting details. The skills will be applied to other subjects across each student's curriculum. These skills will be developed on each student's instructional level.

## **GENERAL ENGLISH 10 (18211)**

Credit: 1 Grade 10

### ***NCAA Approved 1 Credit***

This course is designed to reinforce basic writing skills. This includes writing short stories using descriptors, organization of material, writing in sequential order, and revising to improve written work. The skills will be applied to other subjects across each student's curriculum. These skills will be developed on each student's instructional level.

## **GENERAL ENGLISH 11 (18311)**

Credit: 1 Grade 11

### ***NCAA Approved 1 Credit***

This course is designed to reinforce basic writing skills. This includes researching material, outlining, writing drafts, writing in sequential order, correct use of rules of grammar, improving quality of sentence with descriptors, writing short stories, writing fiction and non-fiction short stories, and using relevant graphs. These skills will be developed on each student's instructional level.

## **GENERAL ENGLISH 12 (18411)**

Credit: 1 Grade 12

### ***NCAA Approved 1 Credit***

This class is designed to reinforce writing skills and assist students in writing research papers, poems, fiction and nonfiction, use of visuals, and giving oral presentations on papers. Students will research, outline, write, edit, rewrite, and present different types of writing samples to a small class. These skills will be developed on each student's instructional level.

**WILSON READING (11511)**

Credit: 1

Grades 9-12

***NOT NCAA APPROVED***

Remedial reading is designed to strengthen the fundamentals of language and reading. This course implements the Wilson Reading System (WRS). WRS explicitly and systematically teaches students how to fluently and accurately decode and spell. WRS directly addresses irregular or sight word instruction, fluency, vocabulary, oral expressive language development and comprehension. The teaching methods used are interactive and multisensory.

**SRA READING (17161)**

Credit: 1

Grades 9-12

***NOT NCAA APPROVED***

SRA is a supplemental reading program which targets decoding and comprehension skills. Within the decoding strand, students will strengthen phonemic awareness, phonics and word analysis, fluency, and specific comprehension skills. Within the comprehension strand, students will strengthen vocabulary knowledge, background information, reasoning and writing skills.

**FUNCTIONAL LANGUAGE ARTS (19111)**

Credit: 1

Grades 9-12

***NOT NCAA APPROVED***

This course is designated to prepare students with appropriate reading skills to navigate in our community. Students will integrate literature from the community such as newspapers, local flyers, manuals, and short stories. Students will also engage in journal writing and research exploration to develop individual writing abilities.

**GENERAL HISTORY 9 (18141)**

Credit: 1

Grade 9

***NCAA Approved 1 Credit***

This course is designed to reinforce and develop student's skills in geography on each student's instructional level. Students will learn to read maps, charts, study landforms, locate continents, oceans, learn about earth's natural resources, practice conservation, and apply vocabulary terms.

**GENERAL HISTORY 10 (18241)**

Credit: 1

Grade 10

***NCAA Approved 1 Credit***

This course is designed to reinforce and develop knowledge of history on each student's instructional level. Students will study world events from Pre-history, as well as early civilizations in the East, Middle East, Egypt, Greek and Roman times.

**GENERAL HISTORY 11 (18341)**

Credit: 1

Grade 11

***NCAA Approved 1 Credit***

This course is designed to reinforce and develop knowledge of history on each student's instructional level. Students will study world events from The Middle Ages, The Renaissance, The Reformation, The Age of Kings, as well as the early explorations from 1450-1815. This class will also introduce basic geography skills.

**GENERAL HISTORY 12 (18441)**

Credit: 1

Grade 12

***NCAA Approved 1 Credit***

This course is designed to reinforce and develop knowledge of history on each student's instructional level. Students will study past events that have affected growth and development in the United States from the European Settlers to the Reconstruction after the Civil War.

## **SAXON MATH 3 (17121)**

Credit: 1      Grades 9,10,11,12

### ***NCAA Approved 1 Credit***

This course is designed to improve basic math skills. The topics covered are grouped in to the following strands: Numbers and Operations, Algebra, Geometry, Measurement, Data Analysis and Probability, Problem Solving, Communication, Mathematical Reasoning, and Connections. This curriculum uses an integrated and distributed structure in order to constantly reinforce skills and concepts, strengthen math connections, and provide practice that is rich and varied similar to the Keystone Exam. Content is mastered through small increments followed by integrated practice and strategically placed assessments.

## **SAXON ALGEBRA 1 A (17221)**

Credit 1      Grades 9, 10, 11, 12

### ***NCAA Approved 1 Credit***

This course builds the foundation for all future mathematics courses by applying the fundamental operations of arithmetic to algebraic techniques. These skills will be developed on each student's instructional level.

## **SAXON ALGEBRA I B (17321)**

Credit: 1      Grades 9, 10, 11,12

### ***NCAA Approved 1 Credit***

This course is designed to teach students to use appropriate problem-solving strategies (e.g., guess and check, working backwards). Students will learn how to develop a plan to analyze a problem, identify the information needed to solve the problem, carry out the plan, check whether an answer makes sense and explain how the problem was solved. This course also reinforces basic math skills. These skills will be developed on each student's instructional level.

## **GENERAL SAXON MATH 3 (18121)**

Credit: 1      Grades 9,10,11,12

### ***NCAA Approved 1 Credit***

This course is designed to improve basic math skills. The topics covered are grouped in to the following strands: Numbers and Operations, Algebra, Geometry, Measurement, Data Analysis and Probability, Problem Solving, Communication, Mathematical Reasoning, and Connections. This curriculum uses an integrated and distributed structure in order to constantly reinforce skills and concepts, strengthen math connections, and provide practice that is rich and varied similar to the Keystone Exam. Content is mastered through small increments followed by integrated practice and strategically placed assessments. These skills will be developed on each student's instructional level. The topics will be facilitated in a small group setting or one-on-one instruction with an emphasis on behavioral reinforcement.

## **GENERAL SAXON ALGEBRA 1 A (18221)**

Credit 1      Grades 9, 10, 11, 12

### ***NCAA Approved 1 Credit***

This course builds the foundation for all future mathematics courses by applying the fundamental operations of arithmetic to algebraic techniques. These skills will be developed on each student's instructional level. The topics will be facilitated in a small group setting or one-on-one instruction with an emphasis on behavioral reinforcement.

## **GENERAL SAXON ALGEBRA I B (18321)**

Credit: 1      Grades 9, 10, 11,12

### ***NCAA Approved 1 Credit***

This course is designed to teach students to use appropriate problem-solving strategies (e.g., guess and check, working backwards). Students will learn how to develop a plan to analyze a problem, identify the information needed to solve the problem, carry out the plan, check whether an answer makes sense and explain how the problem was solved. This course also reinforces basic math skills. . These skills will be developed on each student's instructional level. The topics will be facilitated in a small group setting or one-on-one instruction with an emphasis on behavioral reinforcement.

**FUNCTIONAL MATH (19121)**

Credit: 1

Grades 9-12

***NOT NCAA APPROVED***

This course is designed to prepare students with the mathematical concepts utilized in today's society. Students will integrate math concepts into their daily living skills. Community materials such as menus, maps, schedules and banking will be the foundation of the student's math practice.

**REMEDIAL MATH (17151)**

ELECTIVE

Credit: 1

Grades 9-12

***NOT NCAA APPROVED***

This course is designed for students to engage in additional practice in the areas of basic numbers, basic operations, concepts of algebra, problem solving, probability and geometry. Each student's mathematical difficulties will be individually identified, re-introduced and supported with opportunities for repetition. The use of calculators will be implemented during instruction.

## **BASIC BIOLOGY (17131)**

Credit: 1 Grade 9

### ***NCAA Approved 1 Credit***

This course is designed to introduce students to the study of life. Students will explore the history of significant scientists, living organisms and cellular structures and functions. Additional units will be studied discussing evolution, ecology and genetics.

## **BASIC EARTH AND SPACE SCIENCE (17231)**

Credit: 1 Grade 10

### ***NCAA Approved 1 Credit***

This course is designed to capture students' attention with hands-on activities that can be applied to everyday life. Students will explore the solar system, earth, moon and stars. Additional units will be studied discussing minerals, rocks, weather, climate and erosion.

## **BASIC CHEMISTRY (17331)**

Credit: 1 Grade 11

### ***NCAA Approved 1 Credit***

This course is designed to introduce Chemistry to students. The students will explore topics such as: matter, atomic structure, the periodic table, gases, solutions, compounds and oxidation-reduction reactions. The course also utilizes mathematical skills for equations and formulas.

## **GENERAL BIOLOGY 9 (18131)**

Credit: 1 Grade 9

### ***NCAA Approved 1 Credit***

This course deals with the study of life. Various topics encountered in this study of life include: science and the characteristics of living things, cell structure and function, cells and energy, heredity, genetics, simple organisms, ecology, animal behaviors, cycles in nature, natural resources and evolution. The topics will be facilitated in a small group setting or one-on-one instruction with an emphasis on behavioral reinforcement.

## **GENERAL EARTH AND SPACE SCIENCE 10 (18231)**

Credit: 1 Grade 10

### ***NCAA Approved 1 Credit***

This course deals with natural forces at work on Earth the universe. Various topics encountered in this study of the Earth and universe include: the earth and moon systems, solar systems, stars and galaxies, earth's atmosphere. Weather and climate, weathering and erosion, earth's water and forces in the earth. The topics will be facilitated in a small group setting or one-on-one instruction with an emphasis on behavioral reinforcement.

## **GENERAL CHEMISTRY 11 (18331)**

Credit: 1 Grade 11

### ***NCAA Approved 1 Credit***

This course deals with the properties and interactions of matter . Various topics encountered in this study of matter include: chemistry and measurement, matter formulas and compounds, states of matter, atomic theories and periodic table. The topics will be facilitated in a small group setting or one-on-one instruction with an emphasis on behavioral reinforcement.

## **GENERAL ENVIRONMENTAL SCIENCE 12 (18431)**

Credit: 1 Grade 12

### ***NCAA Approved 1 Credit***

This course deals with how the Earth's systems function, how we influence these systems and how we can use science to change the world in which we live. Various topics encountered in this study of the environment include: environmental science policy and systems, ecology, earth's resources, global climate, and energy resources. The topics will be facilitated in a small group setting or one-on-one instruction with an emphasis on behavioral reinforcement.



**ADULT LIVING (19141)**

Credit: 2

Grades 9, 10, 11, 12

ELECTIVE

***NOT NCAA APPROVED***

This course is designed for the students needing instruction in various independent living skills. It involves numerous performance areas, such as: cooking, travel training, money management, sewing, housekeeping, comparison shopping, interpersonal skills, and community service. Students spend at least 2 class periods per week in the community. These skills will be developed on each student's instructional level. Students will be involved in a service learning project.

**LIFE SKILLS (19151)**

Credit: 1

Grade 9, 10, 11, 12

ELECTIVE

***NOT NCAA APPROVED***

This course will prepare students with functional daily living skills. Students will open bank accounts and understand/complete transactions. Students will explore career math utilizing maps, menus and schedules. Job skill training will be provided in the area of office duties (receptionist skills) and Various community based trips.

# West Side Career & Technology Center

## West Side Career and Technology Center



The West Side Career and Technology Center is a full-time comprehensive career and technology school. A complete academic curriculum compliments the fifteen career-technical programs. The career and technology programs at West Side CTC are available to all students in grades 9 through 12 of the member sending districts with the exception of Cosmetology which starts in 10<sup>th</sup> grade. Students must have successfully met the requirements for promotion into the ninth grade as mandated by the home district's promotion policy for admission into the programs at West Side CTC. Graduation requirements leading to the awarding of a high school diploma are as mandated by the Department of Education for all high schools in the Commonwealth of Pennsylvania. Credits earned at West Side CTC are transferable to other high schools and may be used for college admission. Graduates from West Side CTC receive both a high school diploma and a certificate indicating the hours of training that have been successfully completed in their individual CTE program.

As part of the admission process, we invite students to tour the facility with their eighth grade class during tour dates scheduled through the sending district at which they are encouraged to schedule a Shadow Day to meet our students and participate in daily shop activities. This allows students to experience one or more programs to determine first-hand if a program is a good fit for their future.

Parents/guardians may visit the website at [www.wsctc.net](http://www.wsctc.net) to download and application or see their student's guidance office to obtain an application. Completed applications are due to your student's guidance office by April 15<sup>th</sup>, but consideration will be given to late applications. In order to be considered, students must complete sufficient credits to be promoted to ninth grade. Students are not guaranteed their first choice. The acceptance and placement process will be determined by, but not limited to, program availability, credit requirements, attendance, academic involvement, grades, and behavioral infractions.

### **Part-Time Program**

Students may be eligible for part-time enrollment at West Side CTC. Students attend their sending school for their academic classes and report to West Side CTC for career and technical training. Admission to this program is limited and a consultation with both schools is necessary to review academic standards and credits.

### **Students Occupationally and Academically Ready (SOAR)**

The Pennsylvania Department of Education (PDE) supports career and technical education students aligning their CTE courses to a college program in order to complete a degree, diploma or certificate. High School students who maintain a 2.5 GPA and pass an end of program assessment (NOCTI) with a score of competent or better can earn college credits for coursework taken at West Side CTC. Information about earning advanced credits can be viewed at [www.collegetransfer.net](http://www.collegetransfer.net).

### **Diversified Occupations**

Cooperative Education is a structured method of instruction for qualified seniors combining school-based classroom learning with productive work-based learning at a training site in business and industry in an occupation matching the student learner's academic and career objective. Cooperative Education is a partnership among students, parents/guardians, educational institutions, and employers with specified responsibilities for each part.

### **Career and Technical Programs offered at West Side CTC**

Auto Body Collision Repair Technology  
 Automotive Technology  
 Business Marketing  
 Carpentry  
 Computer Information Systems/Programming  
 Computer Networking and Maintenance  
 Cosmetology (10th through 12th)  
 Culinary Arts  
 Early Childhood Education  
 Electrical Technology  
 Health Related Technology  
 H.V.A.C.  
 Law Enforcement/Police Science  
 Machine Tool Technology  
 Multi-Media Technologies

## **COOPERATIVE EDUCATION**

### **Diversified Occupations**

Cooperative Education is a structured method of instruction for qualified seniors combining school-based classroom learning with productive work-based learning at a training site in business and industry in an occupation matching the student learner's academic and career objective.

Cooperative Education is a partnership among students, parents/guardians, educational institutions, and employers, with specified responsibilities for each party. These include, but are not limited to:

- A written training agreement detailing responsibilities and a written training plan including work based competencies relevant to the student's career choice
- Specified minimum work periods equivalent in length to an academic term (quarter, semester, etc.)
- Recognition of an employer/employee relationship which enforces all state and federal laws- Particular attention given to the Child Labor Laws regarding work permits, working hours, insurance, worker's compensation, safety and hazardous occupations, and mandated clearances
- Work experiences monitored by the instructor and supervised by employers
- Formal recognition of the experience by the school (e.g. grade, credit hours, etc.)
- Evaluations and assessments completed by the instructor and the employer
- Remuneration for the work performed

**Advanced Placement (AP)**

All Lake-Lehman AP Courses have received official authorization by the College Board as AP courses. Advanced placement is a cooperative education endeavor between secondary schools and colleges/universities. The advanced placement program is for students who are willing and able to apply themselves to college level studies

**Alternate Course**

An alternate is a second course selection made by students for use in situations when a first-choice course cannot be scheduled.

**Class Rank (GPA)**

Class rank is a procedure by which each student is numerically ranked according to his/her weighted grade point average

**College Preparatory Courses**

For those who plan to pursue post-secondary education, enlist in the military or join the workforce.

**Conflict**

A scheduling conflict occurs when two or more courses that a student wants or needs are offered at the same time.

**Credits**

One credit is earned upon successful completion (passing grade) of a major course which meets the equivalent of one period daily for a full school year. Partial credits are offered for marking period, semester and minor courses.

**Elective Course**

Electives are courses that students choose to take. Electives, by definition, are not required. However, students may be required to choose from a variety of electives in order to meet distribution requirements.

**Extracurricular Activities**

Extracurricular activities refers to student clubs and activities which meet outside of the regular school day and which are not part of specific courses within the traditional school curriculum.

**Honors Courses**

Honors courses are those which are taught at a high school level but which, like AP courses, provide the greatest challenge and the best preparation for admission to and success at highly selective colleges.

**Interscholastic**

Interscholastic refers to athletic and scholastic activities which involve competitive events with other area secondary schools.

**NCAA**

If you are planning to enroll in college as a freshman and wish to participate in Division I or Division II athletics you must be certified by the NCAA Eligibility Center. Contact your guidance counselor for more details or visit: <https://web3.NCAA.org>ecwrs>

**Prerequisite**

A prerequisite is a course that a student must complete in order to qualify for entry into another course. For example, before students can take Geometry he or she must have completed Algebra II. Therefore, Algebra II is a prerequisite to Geometry.

**Quarter**

45 School Days equal one quarter or marking period.

**Required Elective Course**

A required elective course is one which must be taken by all students. Examples of required elective courses are Child Development, Character Development, Wellness, and Physical Education.

**Term**

A term is one-half of a school year and includes two of the four marking periods. The first semester begins in September and ends in late January. The second term begins in late January and ends in June.

**Young Scholars**

Young Scholars is open to eleventh and twelfth grade students interested in enrolling in college level courses. Young Scholars courses cannot replace any required classes necessary for graduation.

## NOTES

**Course Request for Freshman****REQUIRED**

PE

Freshman Experience

**LANGUAGE ARTS**

English 9

Honors English 9

**SOCIAL STUDIES**

World History

Honors World History

**MATHEMATICS**

Introduction to Algebra

Algebra I

Algebra II

Honors Algebra II

**SCIENCE**

Biology

Honors Biology

Earth and Space Science

Honors Earth and Space Science

**ELECTIVES**

French I

Spanish I

Art I

Film Fest

Green Design

Project-Based Art History

Mountain Man Crafts

Digital Photography

Symphonic Band

Music Theory and Composition

Music Technology

Chorus

Guitar I

Graphic Arts I

Wood Technology I

National History Day

Painting

Community Graphics

Computer Science Principles

**Course Requests for Sophomores****REQUIRED**

Child Development

PE

Wellness 10

**LANGUAGE ARTS**

English 10

Honors English 10

**SOCIAL STUDIES**

Civics and Geography

Honors Civics and Geography

**MATHEMATICS**

Algebra I

Algebra II

Geometry/Basic

Geometry

Honors Geometry

**SCIENCE**

Earth and Space Science

Honors Earth and Space Science

Chemistry

Honors Chemistry

Applied Chemistry

**ELECTIVES**

Journalism

Mythology

Theatre

French I, II

Spanish I, II

Economics

Art I, II

Film Fest

Green Design

Project-Based Art History

Mountain Man Crafts

Digital Photography

Symphonic Band

Music Theory and Composition

Music Technology

Chorus

Guitar I, II

Graphic Arts I, II

Wood Technology I, II

Rosetta Stone

National History Day

Painting

Community Graphics

Bon Appetit I

Honors Global Studies

Computer Science Principles

**Course Requests for Juniors****REQUIRED**

PE  
Junior Seminar

**LANGUAGE ARTS**

American Literature  
Honors American Literature

**PLUS****Language Arts Elective**

Journalism  
Mythology  
Theater Production  
Shakespeare  
Honors Shakespeare  
College Prep Struggling Writ.  
Ancient Literature  
Honors Ancient Literature  
The Page Turners' Book Club  
Reading Outside the Book  
Unraveling Child. Literature

**SOCIAL STUDIES**

20th Century American Cultures  
Honors 20th Century American Cultures  
AP History  
AP Government

**MATHEMATICS**

Geometry/Basic  
Geometry  
Pre Calculus  
Honors Pre Calculus  
Statistics

**SCIENCE**

Earth and Space Science  
Honors Earth and Space Science  
Applied Chemistry  
Chemistry  
Honors Chemistry  
Physics  
Honors Physics  
AP Chemistry  
Zoology  
Anatomy & Physiology  
Honors Anatomy & Physiology  
Environmental Science  
Honors Environmental Science  
AP Environmental Science

**ELECTIVES**

French I, II, III	Architectural Drafting
Spanish I, II, III	Wood Technology I, II, III
Psychology	Rosetta Stone
Sociology	Young Scholars
Economics	Painting
The American Civil War	Community Graphics
The Holocaust	Bon Appetit I, II
National History Day	Honors Global Studies
Art I, II, III, AP	Streamline: Intro to Stem
Film Fest	Computer Science Principles
Green Design	
Project-Based Art History	
Mountain Man Crafts	
Digital Photography	
Symphonic Band	
Music Theory and Comp.	
Music Technology	
Chorus	
Guitar I, II, III	
Graphic Arts I, II, (IS)III	

**Course Requests for Seniors****REQUIRED**

Wellness 12  
Character Development

**LANGUAGE ARTS**

AP English  
British Literature  
Honors British Literature

**PLUS****Language Arts Elective**

Journalism  
Mythology  
Theater Production  
Shakespeare  
Honors Shakespeare  
College Prep Struggling Writ.  
Honors Ancient Literature  
Ancient Literature  
The Page Turners' Book Club  
Reading Outside the Book  
Unraveling Child. Literature

**SOCIAL STUDIES**

Civics and Government 12  
AP History  
AP Government

**MATHEMATICS**

Algebra II  
Pre-Calculus  
Calculus  
AP Calculus AB  
Personal Finance  
Statistics

**SCIENCE**

Earth and Space Science  
Honors Earth and Space Science  
Environmental Science  
Honors Environmental Science  
Physics  
Honors Physics  
Honors Physics II  
Anatomy & Physiology  
Honors Anatomy & Physiology  
AP Chemistry  
AP Biology  
Zoology  
AP Environmental Science

**ELECTIVES**

French I, II, III, IV	Architectural Drafting
Spanish I, II, III, AP/IV	Wood Technology I, II, III
Psychology	Rosetta Stone
Sociology	Physical Fitness
Economics	Young Scholars
The American Civil War	Future Teachers
The Holocaust	Diversified Occupations
National History Day	Painting
Art I, II, III, AP	Community Graphics
Film Fest	Bon Appetit I, II
Green Design	Honors Global Studies
Project-Based Art History	Streamline: Intro to Stem
Mountain Man Crafts	Computer Science Principles
Digital Photography	
Symphonic Band	
Music Theory and Comp.	
Music Technology	
Chorus	
Guitar I, II, III	
Graphic Arts I, II, (IS)III	