



**EASTERN LANCASTER COUNTY  
SCHOOL DISTRICT  
Garden Spot High School**

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"THE SPARTAN WAY – HAIL TO GARDEN SPOT!"

**GARDEN SPOT**  
***Program of Studies***

**2019-2020**



**SPARTANS**

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Equal Opportunity Employer

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### **Mission Statement of Eastern Lancaster County School District:**

We dedicate ourselves to helping each person understand and act upon his or her responsibility to be a productive citizen in a changing world. In partnership with family, business, and community, we commit ourselves to providing an environment in which all persons have the opportunity to acquire knowledge, skills, and attitudes that prepare them for a life of continuous learning. We will encourage creative thinking, problem solving and the pursuit of a vision for a better future.

### **Introduction to the Program of Studies:**

The information and course descriptions contained in this Program of Studies are presented with the hope that parents and students will be better able to plan for the future. We believe that a formal, public education lays the foundation for subsequent life experiences. Therefore, it is of great importance that the planning of a high school program be done thoughtfully and realistically. The first step in such a plan should include the careful, accurate and honest assessment of the abilities, aptitudes, interests and educational and career goals of the student. This appraisal should combine the thinking and consideration of parents, students, counselors and high school staff members. As a result of this personal assessment, parents and students together should use the content in this Program of Studies to arrive at a program that best meets the needs and goals of the student. If, at any time, questions arise relative to this important process, our guidance staff is ready and willing to assist. It is our sincere hope to support the student in the careful planning of his or her future at Garden Spot High School and beyond.

### **Purpose of the Program of Studies:**

The purpose of the Program of Studies is to provide students, parents and staff with an understanding of guidelines, policies and expectations regarding the courses offered by Garden Spot High School and the procedures related to scheduling of courses. The high school curriculum represented in this guide is prepared by the high school staff, Guidance Department, and the high school administration and is approved by the Eastern Lancaster County Board of School Directors.

### **Changes to the Program of Studies:**

Eastern Lancaster County School District reserves the rights to alter the requirements and offerings as printed when deemed to be the result of sound educational planning or when the results are based on changes in federal, state, or local regulations. Changes that are made will be conveyed to students via an addendum sheet to this guide, and/or relayed by school staff via informational meetings and/or announcements.

### **Importance of the Course Selection Process:**

Planning your educational program is a serious responsibility. The subjects that you choose to study in high school today will greatly influence your future. This guide is designed to assist in planning your secondary school program. It is intended to provide sufficient information so that students and parents may play a major role in this planning. In selecting your courses of study, give careful thought to future educational and career aspirations, past academic achievement, and your abilities, aptitudes and interests.

### **Acknowledgment:**

This Program of Studies is the direct result of positive cooperation, professional expertise and genuine staff support. Moreover, input has been sought from the student body and the Parent Advisory Team. The entire staff of Garden Spot High School has been instrumental in developing the instructional program. This is a direct indication of their professional dedication and commitment to their students.

## GRADUATION INFORMATION

### Graduation Requirements:

In order to be eligible for graduation from the Eastern Lancaster County School District, a student shall meet the requirements of completing the required courses of instruction with proficiency scores, complete a culminating project, and demonstrate mastery of the Pennsylvania Academic Standards. The high school diploma requirements are further described below.

#### I. Required Courses

<u>Subject</u>	<u>Credits</u>
English	4.0
Mathematics	4.0*
Science	4.0
Social Studies	4.0
Health & Physical Education	2.5
Arts & Humanities (or both)	2.0
Electives	7.5
	<b>28.0 Total Credits</b>

\* Students who have taken Keystone Algebra 1 prior to ninth grade and *score Proficient or Advanced on Algebra 1 Keystone Exam* will be awarded one (1) math credit toward the four required math credits at Garden Spot High School.

#### II. Service Learning Project

Students must complete a minimum of 30 hours of service learning outside of the regular school day. Ten hours are required during a student's freshmen, sophomore, and junior years. Therefore, all hours must be completed by the beginning of a student's senior year. The service learning must directly benefit the community and/or its members. Unpaid services which benefit or assist a family member or a local business do not count as service learning. Additionally, fees may not be exchanged. Finally, students are required to make a five-minute presentation pertaining to their Service Learning Project hours.

If there is a question as to what constitutes "service learning hours", please contact your guidance counselor or an administrator. The building principal will have final say as to what does and does not constitute as service learning hours. Verification forms are located in the high school office, the guidance office, within the Business Department, or at [www.elanco.org](http://www.elanco.org).

#### III. Mastery of the Academic Standards

All students must attain Proficient or Advanced scores on the following Keystone Exams: Algebra 1, Literature, and Biology.

## GUIDANCE DEPARTMENT

### Guidance Services:

The mission of the Eastern Lancaster County School District Counseling Program is to function as an integral part of the district's comprehensive program by assisting all students, regardless of individual differences, in acquiring the skills, knowledge and attitudes needed to grow into inspired, resilient, productive, fulfilled lifelong learners. The Eastern Lancaster County School District adheres to the philosophy that within the Guidance Department, the school counselor is an essential and integral part of the overall education process.

The comprehensive resiliency-building school counseling program is built on the assumption that certain educational, career, personal, and social objectives are attainable when school counseling for all students is provided. This implementation acknowledges that school counseling is no longer a service to be offered by one person, but a program coordinated with other educators, incorporating a comprehensive curriculum. Proactive and preventative in focus, the comprehensive school counseling program assists students in becoming responsible members of society. Growth and learning are developmental; therefore, school counseling must be developmental and sequential in nature.

### Middle School Guidance Department:

Ms. Lynn Sommer	Grade 7
Ms. Jill Bielawski	Grade 8
Ms. Deb Berry	Administrative Assistant for Middle School Guidance

### High School Guidance Department:

Ms. Krista Schick	Grade 9, 10 <sup>th</sup> Grade Special Education
Ms. Ellen Cantymagli	Grades 10, 11, 12 (A – L), Dual Enrollment
Ms. Barbara Kreider	Grades 10, 11, 12 (M – Z), Career & Technology Center
Ms. Samantha King	Administrative Assistant for High School Guidance

### Promotion Guidelines – High School:

Please see your school counselor for promotion guidelines. Students not meeting the minimum number of credits will be retained in their class.

## TESTING PROGRAMS FOR COLLEGE ADMISSIONS

Students of Garden Spot High School planning to attend college should take part in the various college admission testing programs that are offered throughout the year. Many assessments are offered directly on campus.

School Counselors will assist in learning more about the admissions testing programs listed below.

### **PSAT/NMSQT:**

The Preliminary Scholastic Assessment Test/National Merit Scholarship Qualifying Test, or the PSAT/NMSQT, is a test that is taken by all juniors and can be taken by sophomores who wish to register. The PSAT/NMSQT tests verbal, mathematical reasoning abilities and writing skills. Thus, it is **excellent preparation** for the SAT. Moreover, the PSAT provides students with feedback on skills that will be tested on the SAT.

### **Scholastic Assessment Test (SAT):**

The SAT is taken by both **Juniors and Seniors**. The SAT scores are required by most colleges. SATs are given at Garden Spot High School in **October and May**. Additional locations, dates, and registration information can be found at [www.collegeboard.com](http://www.collegeboard.com). **Applications should be sent or completed on line by the student at least SIX weeks before the testing date.**

### **SAT SUBJECT TESTS:**

The SAT Subject Tests are given by the College Board and are required by some colleges. They differ from aptitude tests in that they test you on what you know. SAT Subject Tests are offered on the same dates as the SAT I; however, both tests **cannot** be taken on the same date.

### **American College Testing (ACT) Program:**

The ACT is made up of a battery of tests, and a Student Profile section. Juniors and seniors have the opportunity to take the ACT Test Battery, which is given five times a year on Saturdays. Dates for this test are available in the Guidance Office. ACT tests are given at GSHS in **October and April**. To register for the ACT, visit [www.actstudent.org](http://www.actstudent.org).

### **Advanced Placement (AP) Tests:**

AP tests are given in May during the school day. A high score on the AP tests may be accepted by colleges for advanced credits. Specific test dates will be announced.

## NCAA ELIGIBILITY CENTER

Student-athletes who are considering participation in collegiate athletics should explore the NCAA (National Collegiate Athletic Association) requirements for eligibility. A high school diploma alone is not sufficient to permit a student to participate in college athletics. The NCAA has a set of minimum standards that students must meet to be eligible. Detailed information can be found at [www.eligibilitycenter.org](http://www.eligibilitycenter.org). The information included here is only the most basic information about requirements. Students interested in playing collegiate athletics are strongly encouraged to review the detailed requirements reported on the clearinghouse site to ensure they are making appropriate decisions about the course selections.

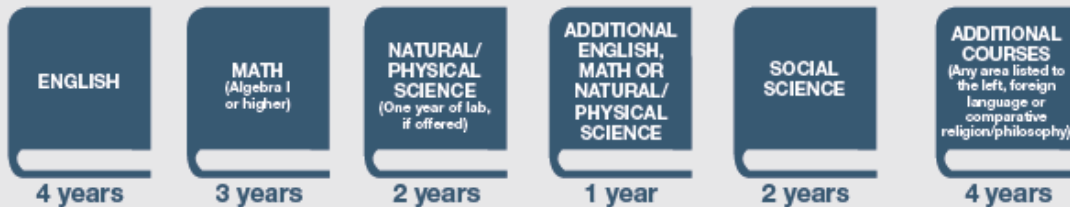
The following information is taken directly from *NCAA Freshman-Eligibility Standards Quick Reference Guide*:

### DIVISION I ACADEMIC REQUIREMENTS

College-bound student-athletes will need to meet the following academic requirements to practice, receive athletic scholarships, and/or compete during their first year.

#### Core-Course Requirement

Complete 16 core courses in the following areas:



#### Full Qualifier

- Complete 16 core courses.
  - Ten of the 16 core courses must be completed before the seventh semester (senior year) of high school.
  - Seven of the 10 core courses must be in English, math or science.
- Earn a core-course GPA of at least 2.300.
- Earn the ACT/SAT score matching your core-course GPA on the Division I sliding scale (see back page).
- Graduate high school.

#### Academic Redshirt

- Complete 16 core courses.
- Earn a core-course GPA of at least 2.000.
- Earn the ACT/SAT score matching your core-course GPA on the Division I sliding scale (see back page).
- Graduate high school.

#### Full Qualifier:

College-bound student-athletes may practice, compete and receive athletics scholarships during their first year of enrollment at an NCAA Division I school.

#### Academic Redshirt:

College-bound student-athletes may receive athletics scholarships during their first year of enrollment and may practice during their first regular academic term, but may NOT compete during their first year of enrollment.

#### Nonqualifier:

College-bound student-athletes cannot practice, receive athletics scholarships or compete during their first year of enrollment at an NCAA Division I school.

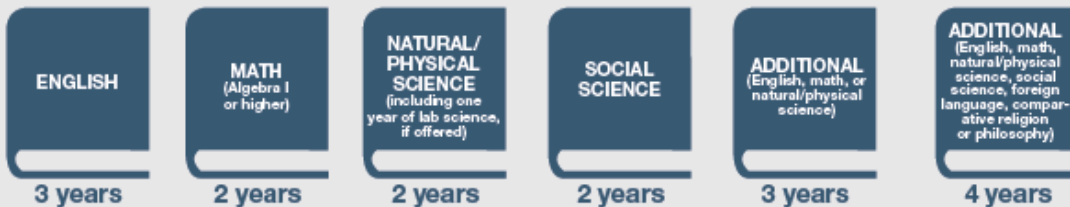


## 2018 DIVISION II NEW ACADEMIC REQUIREMENTS

College-bound student-athletes first enrolling at an NCAA Division II school on or after August 1, 2018, need to meet new academic rules to practice, compete and receive athletics scholarships during their first year.

### Core-Course Requirement

Complete 16 core courses in the following areas:



### Full Qualifier

- Complete 16 core courses.
- Earn a core-course GPA of at least 2.200.
- Earn the ACT/SAT score matching your core-course GPA on the Division II full qualifier sliding scale (see back page).
- Graduate high school.

### Partial Qualifier

- Complete 16 core courses.
- Earn a core-course GPA of at least 2.000.
- Earn the ACT/SAT score matching your core-course GPA on the Division II partial qualifier sliding scale (see back page).
- Graduate high school.

### Full Qualifier:

College-bound student-athletes may practice, compete and receive athletics scholarships during their first year of enrollment at an NCAA Division II school.

### Partial Qualifier:

College-bound student-athletes may receive athletics scholarships during their first year of enrollment and may practice during their first regular academic term, but may NOT compete during their first year of enrollment.

### Nonqualifier:

College-bound student-athletes may not practice, compete or receive athletics scholarships during their first year of enrollment at an NCAA Division II school.



Any student who is considering participating in collegiate athletics should only elect Academic or Honors level courses. If you have any questions regarding NCAA eligibility contact your school counselor.



**All courses that are approved by the NCAA Eligibility Center are noted with an NCAA logo preceding the course description.**

## COURSE SELECTION OVERVIEW

### The Selection Process:

1. **Carefully study the entire Course Selection Guide** in order to take full advantage of the variety and flexibility of offerings. Refer to your grade level's suggested guidelines for grade-specific guidance on requirements and recommended courses.
2. Identify the courses you wish to take in your core areas (English, mathematics, science, social studies, and world languages) and determine if you meet the prerequisites. Your current teacher can give you advice regarding what course(s) you may want to elect.
3. Identify other courses you may need to take in the upcoming year to satisfy specific graduation requirements.
4. **The minimum number of credits students may select is eight (8).** Students will not be permitted to take less than eight credits unless they intend to graduate early their senior year. **These guidelines are currently under administrative review.**
5. After choosing your core courses and other required courses, identify elective courses that interest you to complete your schedule. **You must also identify alternate choices. Having a "back-up" alternate selection for every elective course will help ensure that you have a complete schedule if courses become full or your primary choices conflict with one another.**
6. **Ask questions.** Your fellow students (particularly those older than you), your parents, your teachers and your counselor are all great sources of information.

### Course Offerings & Alternate Selections:

The listing of a specific course in this planning guide does not guarantee that it will be taught each school year. Administration determines whether or not a course will be offered based upon the total course enrollment, the type of course involved, and available staffing. Even if a course is offered, students are not guaranteed enrollment. Students may have conflicts in their schedule or the capacity of a course may be reached. Consequently, it is very important that students select alternate choices to maximize the chance that they will have a complete schedule to their liking. **Please note, your alternate choices should be different from your elective choices, and you may be enrolled in one of these courses if necessary.**

### Schedule Changes:

Students are strongly encouraged to carry at least eight credits each school year. Any changes to student schedules must maintain the minimum number of credits for on-time graduation (i.e. within four years). [Exception: Early Graduate candidates.]

### **Changes Prior to this School Year Ending:**

1. Students complete their initial selections via PowerSchool. After course selection is closed, all changes will need to be requested through the guidance office.
2. Students may request changes to their course selections up until the **end of the current school year. After that time, no changes will be made except for medical reasons or scheduling errors.**

Requests to change schedules over the summer, attempts to have certain teachers, or to have certain classes with specific classmates will not be entertained or honored. Exceptions to this rule will only be made under circumstances where a student previously had the teacher and was unsuccessful in the class (a 70% or below), or the student is scheduled to have the same teacher for a third year.

### **Changes once the new school year begins:**

3. Generally, once the new school year begins, changes to student schedules are extremely difficult. There are few exceptions:
  - a. Academic misplacement on the part of the school;
  - b. A decision to increase the level of a course (e.g. changing from World History to AP World History); or
  - c. A medical excuse that prohibits a child from completing a course.
4. **Any withdrawal from a course after the first mid-quarter (Semester 1) or third mid-quarter (Semester 2) will result in a "W" placed on the student's transcript. If the student is passing the course, a "WP" will be noted on the transcript. If the student is failing the course a "WF" will be noted on the transcript.**

## EARLY GRADUATION

Senior students who will attain the required 28 credits by the end of their seventh semester may apply for early graduation. The 28 credits include all required courses:

English → 4.00 credits  
Mathematics → 4.00 credits  
Science → 4.00 credits  
Social Studies → 4.00 credits  
Physical Education → 2.00 credits  
Health → 0.50 credits  
Arts & Humanities or Both → 2.00 credits

Please be aware that only one graduation ceremony occurs at the end of the school year. Early graduates can choose to participate if they so desire; however, participation is not required. Diplomas are awarded at the end of the school year during the graduation ceremony.

*Seniors interested in Early Graduation must return a completed application to the Guidance office by the deadline identified on the school calendar.*

## GRADING & WEIGHTING SYSTEMS

### Grading System – Garden Spot High School (9-12):

Report card and final grades are computed by transferring numerical grades into letter grades in the following manner:

A	=	93% - 100%	=	4.0 Quality Points
A-	=	90% - 92%	=	3.7 Quality Points
B+	=	87% - 89%	=	3.3 Quality Points
B	=	83% - 86%	=	3.0 Quality Points
B-	=	80% - 82%	=	2.7 Quality Points
C+	=	77% - 79%	=	2.3 Quality Points
C	=	73% - 76%	=	2.0 Quality Points
C-	=	70% - 72%	=	1.7 Quality Points
D+	=	67% - 69%	=	1.3 Quality Points
D	=	63% - 66%	=	1.0 Quality Points
D-	=	60% - 62%	=	0.7 Quality Points
F	=	< 60%	=	0.0 Quality Points

### Weighting System – Garden Spot High School (9-12):

If a student takes an Honors course the Quality Points, as outlined on Page 9 of this document, will be multiplied by a weight of 1.05. If a student takes an Advanced Placement (AP) or Dual-Enrollment (DE) course, the Quality Points, as outlined on Page 9 of this document, will be multiplied by a weight of 1.1. For example:

#### Advanced / Honors (1.05)

A	=	90% - 100%	=	4.200 Quality Points
A-	=	90% - 92%	=	3.885 Quality Points
B+	=	87% - 89%	=	3.465 Quality Points
B	=	83% - 86%	=	3.150 Quality Points
B-	=	80% - 82%	=	2.835 Quality Points
C+	=	77% - 79%	=	2.415 Quality Points
C	=	73% - 76%	=	2.100 Quality Points
C-	=	70% - 72%	=	1.785 Quality Points
D+	=	67% - 69%	=	1.365 Quality Points
D	=	63% - 66%	=	1.050 Quality Points
D-	=	60% - 62%	=	0.735 Quality Points
F	=	≤ 59%	=	0.000 Quality Points

#### AP, Dual Enrollment, C/HS (1.1)

A	=	93% - 100%	=	4.40 Quality Points
A-	=	90% - 92%	=	4.07 Quality Points
B+	=	87% - 89%	=	3.63 Quality Points
B	=	83% - 86%	=	3.30 Quality Points
B-	=	80% - 82%	=	2.97 Quality Points
C+	=	77% - 79%	=	2.53 Quality Points
C	=	73% - 76%	=	2.20 Quality Points
C-	=	70% - 72%	=	1.87 Quality Points
D+	=	67% - 69%	=	1.43 Quality Points
D	=	63% - 66%	=	1.10 Quality Points
D-	=	60% - 62%	=	0.77 Quality Points
F	=	≤ 59%	=	0.00 Quality Points

For questions or concerns regarding course weights, please contact your counselor.



## RECOMMENDED GUIDELINES – 9<sup>TH</sup> GRADE

1. **A freshman schedule must include eight credits.**

**Core Courses (4 credits):**

English – 1 credit  
Mathematics – 1 or 2 credit(s)  
Science – 1 credit  
Social Studies – 1 credit

**Additional Required Courses:**

Rotation – 1 credit  
PE and Seminar 9  
Electives – 1 to 3 credit(s)

2. **Core Content – English, Mathematics, Science, and Social Studies:**

Placement in core subjects is based on multiple data points/criteria such as: state assessment results, PVAAS projections, STAR assessments, Lexile level, and teacher recommendation. If you have questions about their recommendation you should talk with your teacher and guidance counselor.

3. **World Languages:**

Taking Spanish 1, 2 or German 1, 2 is recommended for college preparatory students. Students with an aptitude for world languages should plan four or five years of one world language rather than two years of two world languages. Students are **not** required to take a world language to meet graduation requirements.

4. **Electives and Alternates:**

Wherever possible, the pursuit of electives is encouraged. You should also identify alternate elective choices in case your first choices are not available. Carefully read through the entire Course Selection Guide to identify courses that may interest you.

5. **Career and Technology Center (CTC):**

The CTC programs are options for junior and senior students. The CTC provides students with practical training in a variety of careers that allow students to move into the workforce upon graduation. Additionally, most programs at the CTC include collegiate level course work that is transferred to colleges and universities if the student prefers that route over entering the workforce. Additional information about the CTC is available in this Course Selection Guide, on the course selection website, and at [www.lcctc.org](http://www.lcctc.org). Students planning to attend the CTC should consult with their counselor to ensure that they have chosen all the appropriate courses.

6. **4-Year Plan:**

Consider outlining all the courses you think you would like to take for the next four years. Some courses have prerequisites that you will need to complete before taking other courses. By putting together a four-year plan it becomes more likely that you will be able to take all the courses you would like to. This is also critical if you are considering attending the CTC or enrolling in AP courses.

## RECOMMENDED GUIDELINES – 10<sup>TH</sup> GRADE

### 1. A sophomore schedule must include eight credits.

#### **Core Courses (4 credits):**

English – 1 credit  
Mathematics – 1 or 2 credit(s)  
Science – 1 credit  
Social Studies – 1 or 2 credit(s)

#### **Additional Required Courses:**

Health – 0.50 credits / PE – 0.50 credits  
Rotation  
Seminar 10 / STEM 10  
Electives – 1 to 2 credit(s)

### 2. Core Content – English, Mathematics, Science, and Social Studies:

Placement in core subjects is based on data points/criteria such as: PSSA and Keystone results, PVAAS projections, STAR assessments, Lexile level, and teacher recommendation. If you have questions about their recommendation you should talk with your teacher and guidance counselor.

### 3. World Languages:

Continued study of a world language is recommended for college preparatory students. Students with an aptitude for world languages should plan four or five years of one world language rather than two years of two world languages. Students are **not** required to take a world language to meet graduation requirements. Sophomore students are permitted to elect the 1st year of a world language.

### 4. Electives and Alternates:

Wherever possible, the pursuit of electives is encouraged. You should also identify alternate elective choices in case your first choices are not available. Carefully read through the entire Course Selection Guide to identify courses that may interest you.

### 5. Advanced Placement (AP):

Students enrolling in AP courses during their sophomore, junior, or senior year should understand the rigor is at a collegiate level. *Students cannot drop an AP course once it has been started.*

### 6. Career and Technology Center (CTC):

Sophomore students planning to attend the CTC during their junior or senior year should consult with their counselor to ensure that they have chosen all the appropriate courses to meet entrance requirements. Students typically apply to the CTC during the winter of their sophomore year. Additional information about the CTC is available in this planning guide, on the course selection website, and at [www.lcctc.org](http://www.lcctc.org).

### 7. 4-Year Plan:

Consider writing out all the courses you think you would like to take over your remaining three years. Some courses have prerequisites that you will need to complete before taking other courses. By putting together a four-year plan it becomes more likely that you will be able to take all the courses you would like to. This is also critical if you are considering attending the CTC or plan to continue taking AP courses.

## RECOMMENDED GUIDELINES – 11<sup>TH</sup> GRADE

1. **A junior schedule must include eight credits.**

**Core Courses (4 credits):**

English – 1 credit  
Mathematics – 1 credit  
Science – 1 credit  
Social Studies – 1 credit

**Additional Required Courses:**

Electives – 4 credits  
Physical Education – Junior or Senior year

2. **English, Mathematics, Science, and Social Studies:**

You should consult with your current teacher to determine the appropriate selection in these areas. Some courses have prerequisite requirements you must meet during your sophomore year.

3. **World Languages:**

Continued study of a world language is recommended for college preparatory students. Students with an aptitude for world languages should plan four or five years of one world language rather than two years of two world languages. Students are **not** required to take a world language to meet graduation requirements.

4. **Electives and Alternates:**

Wherever possible, the pursuit of electives is encouraged. You should also identify alternate elective choices in case your first choices are not available. Carefully read through the entire Course Selection Guide to identify courses that may interest you.

5. **Career and Technology Center (CTC):**

Juniors who have already been accepted into a cluster program should select an English 11 course, a Math course, a Civics & Government (or AP US History) course, a Biology course, and also select Half-Day CTC Program. Students should also consult with their counselor to ensure that they have completed all requirements for graduation. Additional information about the CTC is available in this planning guide, on the course selection website, and at [www.lcctc.org](http://www.lcctc.org). *Students who are interested in a full-day CTC program for their senior year, but do not plan to attend a half-day program as a junior must take physical education their junior year.*

6. **4-Year Plan:**

Consider writing out all the courses you think you would like to take over your remaining two years. Some courses have prerequisites that you will need to complete before taking other courses. By putting together a four year plan it becomes more likely that you will be able to take all the courses you would like to by the time you graduate.

7. **Early Graduation/Early College Attendance Options:**

Students who earn more than the required number of credits during their first three high school years may be eligible to graduate from high school early. Juniors who are interested in this option should consult their guidance counselor during the second semester. *Students intending to graduate early must take physical education as a junior.*

## RECOMMENDED GUIDELINES – 12<sup>TH</sup> GRADE

### 1. A senior schedule must include eight credits. [Exception – Early Grads]

#### **Core Courses (3 credits):**

English – 1 credit  
Mathematics – 1 credit  
Science – 1 credit  
Social Studies – 1 credit

#### **Additional Required Courses:**

Electives – 4 credits  
Physical Education – Junior or Senior year

### 2. English, Mathematics, Science, and Social Studies:

Seniors students generally must select courses to complete their 4<sup>th</sup> core content credit. If students have already completed four credits in the respective core content areas they need not select any courses in those areas; however, students planning to attend college after graduation are encouraged to complete rigorous courses during their final year of high school.

### 3. World Languages:

Continued study of a world language is recommended for college preparatory students. Students with an aptitude for world languages should plan four or five years of one world language rather than two years of two world languages. Students are **not** required to take a world language to meet graduation requirements.

### 4. Electives and Alternates:

Wherever possible, the pursuit of electives is encouraged. You should also identify alternate elective choices in case your first choices are not available. Carefully read through the entire Course Selection Guide to identify courses that may interest you.

### 5. Career and Technology Center (CTC):

Seniors who have already been accepted into a full-day program should select Full-Day CTC Program. Students should also consult with their counselor to ensure that they have completed all requirements for graduation.

### 6. Senior Option:

Seniors have the ability to choose from one of the following options as an elective: Dual Enrollment, Internship, or Online Course Offering. Seniors are strongly encouraged to participate in one of the aforementioned opportunities, but they are not required to do so.


### 7. College Coursework:

Students interested in pursuing college coursework during their senior year should speak with their school counselor. There are opportunities for Dual Enrollment and/or College/High School Credit (C/HSC) courses may transfer to meet college requirements for incoming college freshmen. Transfer credit cannot be guaranteed, however.

## UNDERSTANDING COURSE DESCRIPTIONS

All courses are described in paragraph form on the following pages. Below is an example of how to interpret the additional information associated with a course description. This information is very helpful when deciding who may take the course and the credit value assigned to each course.

### Example:

	<b>AP Physics (# 0133)</b>	
	(a) (b)	
2.00 Credits		Full Year – Daily
(c)		(d) (e)
 Offered Grade: 11, 12		
(g) (f)		
(g) Prerequisite(s): Successful completion...		
(h)		

### Key:

- Course Title;
- Course Number;
- Credit earned for successfully completing the course;
- Length of course (e.g. Quarter, Semester, Full Year);
- Occurrences during a 10-day cycle;
- Usual student grade level;
- Course is NCAA approved;
- Prerequisite describes the requirements that must be satisfied before taking the course.

The listing of a specific course in this Course Selection Guide does not guarantee that it will be taught each school year. Administration determines whether or not a course will be offered based upon the total course enrollment, the type of course involved, and available staffing. Even if a course is offered, students are not guaranteed enrollment. Students may have conflicts in their schedule or the capacity of a course may be reached. Consequently, it is very important that students select alternate choices to maximize the chance that they will have a complete schedule.

Curriculum revision is an ongoing process with students, faculty and administrators making recommendations for curriculum additions periodically. Therefore the course offerings may be modified after this guide is published and before student schedules are generated. When possible, students will be notified of these changes so that selections can be modified. Ultimately, the ELANCO Board of School Directors makes the final determination on the curriculum offered at Garden Spot High School.

*Garden Spot High School is offering several new courses for the upcoming school year. These courses are identified by the following icon:*





## AGRICULTURE

Department Facilitator: Ms. Rachel Stern & Mr. William Swinsburg

Agriculture and Agri-business are the number one industries in Lancaster County, Pennsylvania, and the United States of America. The technological changes taking place throughout the field of Environmental Agri-Science have created a need for young women and men with varied experiences. Enrollment in the Environmental/Agri-Science program will help provide the professional/technical knowledge needed to meet emerging careers of the twenty-first century. FFA participation provides opportunities for leadership growth, career development skills and scholarship opportunities.

### **SAE – Independent Study (# 0150)**

1.00 Credit

Semester – Daily

Offered Grades: 9 – 12

Prerequisite: Instructor Approval

#### Course Description:

Available in grades 9, 10, 11, and 12 for one elective credit during the following semesters for the following grades: spring semester for grades 9 and 12 and fall semester for grades 10 and 11. Students must be an active member of the FFA. Students need to ask for approval from the FFA Advisors before signing up for this course. They must meet with the FFA Advisors 2 times a month to talk about their SAE program. Credit will only be awarded when students reach a minimum of 120 hours that is logged in the AET system. This is a pass/fail course. Grading will be based upon a score sheet which will be provided to the student at the beginning of the semester. Students scoring less than 60% on the rubric or failing to reach at least 120 hours in their project will not receive a credit.

### **Agriculture Science 1 (# 0250)**

1.00 Credit

Semester – Daily

Offered Grade: 9, 10, 11

Prerequisite(s): None

#### Course Description:

This course will be an introductory level course available to 9<sup>th</sup>, 10<sup>th</sup>, and 11<sup>th</sup> grade students. This course is designed to allow first year FFA members to develop their agricultural and FFA knowledge. This is accomplished through studying various agricultural topics including plant, animal, and environmental science as well as various FFA topics including FFA History and Career Development Events (CDEs). Students whom take this course will earn their Greenhand Degree. This course will feature hands-on activities, field trips and lab experiences as well as the opportunity to attend various FFA events at our chapter, county, regional and state level. A major part of this course will be participation in FFA activities including Career Development Events, having an active SAE project and working in a committee setting with classmates.

## **Agriculture Science 2 (# 0350)**

1.00 Credit

Semester – Daily

Offered Grade: 10, 11, 12

Prerequisite(s): Successful completion of the Agriculture Science 1 course. Must have an active Supervised Agricultural Experience (SAE) project.

### Course Description:

Developed from the previous FFA 10 class, this course will deepen the understanding of the material taught in Agriculture Science 1. This will be accomplished through studying specific animal and plant science topics more in depth. Topics such as Parliamentary Procedure, agronomy and food science will be covered. Students whom take this course will earn their Chapter Degree. This course will feature hands-on activities, field trips and lab experiences as well as the opportunity to attend various FFA events at our chapter, county, regional and state level. A major part of this course will be participation in FFA activities including Career Development Events, having an active SAE project and working in a committee setting with classmates on our chapter Foods Resource Bank project.

## **Leadership Development 1 (# 0450)**

1.00 Credit

Semester – Daily

Offered Grade: 11, 12

Prerequisite(s): Must have an active Supervised Agricultural Experience (SAE) project.

### Course Description:

Developed from the previous FFA 11 and 12 class, this course will focus on teaching and implementing proven, research-based leadership development skills. Personal Growth and Development focuses on developing you as a leader, motivator, and follower. Teams and organizations can only work effectively when the group, as a whole, works effectively. This course will guide it's participants through research-based group leadership techniques, concepts, and best practices. Leadership concepts taught in class will be put to practice through a membership with the Grassland FFA and National FFA Organization. A major part of this course will be participation in FFA activities and having an active SAE project. Students whom take this course will participate in various FFA events and functions.

## **Agricultural Research and Development (# 0800)**

1.00 Credit

Semester-Daily

Offered Grades: 11, 12

Prerequisite: Must have an active Supervised Agricultural Experience (SAE) project.

### Course Description:

This course is designed to culminate students' experiences throughout high school. Throughout this course are projects and problems based in practical applications and designed to develop and improve employability skills. You will work to solve complex, real-world problems through a focused research project of your choosing. You will improve upon investigative, experimental, communication and teamwork / leadership skills. As a result of this course, you will also develop skills in scientific communications about problems, research and solutions. At the end of the course you will submit your research project to the FFA Agriscience Fair which is held each year at the PA Farm Show.

### **Food Science (# 0825)**

1.00 Credit

Semester – Daily

Offered Grade: 11, 12 (GSHS Science Credit)

Prerequisite(s): Successful completion of Chemistry.

#### Course Description:

This introductory level course is designed to guide students through the unique field of study of Food Science. The course will teach students about concepts and situations found in the food science and safety industry through investigating areas of food science. These areas include but are not limited to food safety, food chemistry, food processing and product development and marketing. Students whom participate in this course will be able to participate in FFA Events and activities.

Fee(s): \$5.00 → Food materials

### **Plant Science (# 0901)**

1.00 Credit

Semester – Daily

Offered Grades: 11, 12 (GSHS Science Credit)

Prerequisite(s): Completed Agriculture Science 1.

#### Course Description:

Students taking this course will have the opportunity to blend science and artistic learning with hands-on activities using plants. Students will experience the horticulture industry from many aspects including: plant science, plant propagation, greenhouse management, landscape plants, integrated pest management and floral design. While taking this course students will have the opportunity to earn their Pennsylvania Private Pesticide Applicators License. Students will also have the opportunity to participate in the FFA Floriculture or Nursery and Landscape Career Development Event.

Fee(s): \$30 → Floriculture materials.

### **Animal Science (# 0921)**

1.00 Credit

Semester – Daily

Offered Grades: 10, 11, 12 (GSHS Science Credit)

Prerequisite(s): Completed Agriculture Science 1.

#### Course Description:

This course is designed to guide students through the unique field of study of Animal Science Industry. The course will teach students about a diverse population of animals, including large and small farm animals and small companion animals. This class will introduce the production and management side of Animal Science will still gaining technical knowledge and skills to prepare for careers in the field of animal science and livestock management. Students will explore topics such as nutrition, reproduction, health and management of livestock and poultry, animal welfare, and alternative uses for animals.

### **Ag Business Management (# 0930)**

1.00 Credit **[NOT OFFERED]**

Semester – Daily

Offered Grades: 11, 12

Prerequisite(s): Must have an active Supervised Agricultural Experience (SAE) project.

#### Course Description:

Have you ever wondered how a business works? While you may have seen the concepts, have you put them into a real-life setting? Agriculture, the nation's largest and most diverse industry, combines business with industry in a very local setting. Learn about topics as diverse as marketing, economics, commodity markets, government relations, and so much more! Students whom take this course will have the opportunity to participate in various FFA Career Development Events. This course is currently being reviewed by Delaware Valley College to provide students with 1 college credit.

### **Aquatics Forestry and Wildlife (# 0970)**

1.00 Credit

Semester-Daily

Offered Grades: 9, 10

Prerequisite: Completed Agriculture Science 1.

#### Course Description:

Aquatics, Forestry, and Wildlife (AFW) introduces a broad science background highlighting ecology and environmental sciences needed for careers in fisheries, wildlife, conservation biology, and other natural resource and environmental fields. Students will learn how to be responsible for the conservation, protection, regulation, and management of our nation's fish and wildlife resources. The course will also emphasize on understanding consumptive uses such as hunting and fishing and non-consumptive uses such as bird watching, non-game species enhancement, threatened and endangered species protection. Hands-on activities and regular field study will be an important aspect of the curriculum. FFA members will be encouraged to maintain a Pennsylvania Game Commission Habitat Improvement Project for extra credit in the class.

### **Veterinary Science (# 0980)**

1.00 Credit

Semester – Daily

Offered Grades: 11, 12 (GSHS Science Credit)

Prerequisite(s): Students must have successfully completed one credit of Biology and/or Chemistry.

#### Course Description:

Take your knowledge of the Animal Kingdom to the next level while learning about the fascinating field of Veterinary Science. This science-based course will discuss the main systems of an animal while combining the content with industry-based practices and clinical procedures. Students will engage in labs, dissections, and many other hands-on activities. Students whom take this course will have the opportunity to participate in the FFA Vet Science Career Development Event. This course is currently being reviewed by Delaware Valley College to provide students with 1 college credit.

## Environmental Science (# 1500)

1.00 Credits

Semester – Daily



Offered Grade: 11, 12

Prerequisite: None

### Course Description:

This elective course provides an overview of man's dependence upon and interaction with our natural resources. A historical and futuristic perspective of soil and water stewardship and land-use will provide insight to the new challenges facing our environment. Special emphasis will address the new technologies being utilized to meet these challenges and the resultant career opportunities.

## BUSINESS EDUCATION

Department Facilitators: Ms. Jill Hackman

### Accounting I (# 2000)

1.00 Credit

Semester – Daily

Offered Grades: 10 – 12

Prerequisites: None

### Course Description:

The course includes all the accounting procedures needed to run a small business. Student will learn the fundamentals of accounting with the aid of computers, workbooks, and the use of practice sets. Each student is taught to record the basic transactions of a small business and how those transactions affect the accounting system. Simulations using computers will reinforce concepts taught.

Both college bound and non-college bound students would find this course beneficial.

### Accounting II – Automated (# 2010)

1.00 Credit

Semester – Daily

Offered Grades: 11, 12

Prerequisites: Successful completion of Accounting I.

### Course Description:

This course is an extension of the knowledge acquired in Accounting I. Students are taught to record more advanced transactions. Students will study partnerships, corporations, departmentalization, control systems, and cost accounting. The format of the course is similar to that of Accounting I with extensive use of accounting software. Students will also operate the accounting records for the school store.

Again, both college bound and non-college bound students would find this course beneficial.

## Business Law & Finance (# 2095)

1.00 Credit  
Offered Grades: 11, 12  
Prerequisites: None

Semester – Daily

### Course Description:

Students will study true situations that show how business and personal law impacts business as well as the lives of young people and adults. Students will study their rights and duties as citizens. Principles of business law pertaining to torts, contracts, bailments, property sales, sources of law, and the judicial system are studied. Business Finance is recommended for all students, especially those interested in a business career. Units covered: The fundamentals of money management, investing, loans and credit cards, insurance and investments, tax strategies, budgeting, business costs, business profit and loss, sales and marketing, business data analysis, and international business.

## Seminar 9 (# 2025)

0.5 Credit  
Offered Grades: 9 – **Required**  
Prerequisites: None

Semester – Every other day

### Course Description:

The major focus of Seminar 9 is to prepare for entry level employment through career exploration and acquisition activities. Students will explore careers and post-secondary education options through a variety of modes that may include web-based searching and job tours. After exploring careers, students will learn how to acquire a job through the completion of professional documents that may include resumes, job applications, and professional letters. In addition, students will learn the basics of money management and the importance of saving money after obtaining a job. Finally, students will learn the basics of the free enterprise system through an entrepreneurship unit where students will write a business plan. The curriculum in Seminar 9 focuses on the Career, Education, & Work standards where students can collect artifacts towards the Future Ready graduation requirement.

## Seminar 10 (# 2035)

0.5 Credit  
Offered Grades: 10 – **Required**  
Prerequisites: None

Quarter – Every day

### Course Description:

Seminar 10 continues to build on the career development activities learned in Seminar 9. Students will develop a career plan and create/update a resume. In addition, students will learn some basics of personal financial management. Some class topics will include the importance of budgeting, the handling of credit and credit cards, saving and investing, and preparing for retirement. Students will gain insight as to how these skills apply directly to their life and the importance of learning them early.

## Personal Finance (# 2140)

1.00 Credit

Semester – Daily

Offered Grades: 11 **[NOT OFFERED]**

### Course Description:

In this course, students will learn advanced personal financial management skills. Some class topics will include an in-depth look at the importance of being financially sound and savvy, investing, preparation for retirement, budgeting, the handling of credit and credit cards. Students will also gain a basic understanding of insurance, taxes and tax forms. Students will gain insight as to how these skills apply directly to their life and the importance of learning them early.

## Computer Applications (# 2175)

1.00 Credit

Semester – Daily

Offered Grades: 10 – 12

Prerequisite(s): None

### Course Description:

The Microsoft Office program including the programs of Word, Excel, Access, and PowerPoint will be presented using step-by-step projects and simulations. These applications require word processing, spreadsheets, database, desktop publishing, and presentation skills. Google applications (sheets, docs, and slides) may be introduced. Computer exercises will be completed in each area, which will reinforce learning and provide hand-on-experience using the Windows platform on personal computers. Students will demonstrate knowledge of basic computer operations and concepts along with problem solving and decision-making skills.

## Entrepreneurship (# 2XXX)

1.00 Credit

Semester – Daily

Offered Grades: 10 – 12

Prerequisite(s): None

### Course Description:

In America, the free enterprise system has allowed many to achieve their dream of owning and operating a business. Entrepreneurship is a hands-on course that will teach students the skills needed to establish and manage a business. This course is threefold: **Part 1 – Business Plan:** Students will understand the major concepts of owning and operating their own businesses. This course will help students design, create, and launch a business idea. Students will learn how to write a business plan from start to finish. Students will coordinate with local businesses in building an online presence for their companies. **Part 2 – School Store:** Students will run and operate the school store during this course. They will choose inventory, develop a budget, coordinate sales and promotion, and develop an online presence for the student population and the local community to sell the GS Spirit Wear. **Part 3 – Personal Business:** Students will run an actual business in house (sell a product to teachers and staff) and learn from each step of that process – research, budgeting, product selection, design, inventory, and financing. Overall, students will understand the importance of owning their own small business as a foundation to the economy.

### Required Materials & Fee(s):

- Cynthia L. Greene. *Entrepreneurship Ideas in Action*. E-book, 2017. (\$35 USD)
- Supplementary readings are posted in cengage.com.
- Also included are other readings, practice quizzes, podcasts, case studies and links to external content helpful in studying entrepreneurship.

## Marketing (# 2395 or DE2395)

1.00 Credit (GSHS)

Semester – Daily

3.00 Credits (HACC – College/High School Credit)

Offered Grades: 11, 12

Prerequisites: Ability and desire to do college-level work. Students **MUST** be eligible to take the class regardless if they take it for HACC credit or not. They need to place eligible on the placement test or have an SAT Critical Reading score of 480 or above. **ALL** students must purchase a text regardless if they are taking the course for HACC credit or not.

### Course Description:

This is a college course offered at Garden Spot High School during regular school hours. Students are not required to sign up with HACC, however, **all curriculum, projects, and all other requirements are at the college level.** Emphasis is placed upon marketing strategies concerning product, place, promotion, and price.

Again, this course is offered through Harrisburg Area Community College (HACC). Students will need to complete an application. Students will receive 3 college credits after successfully completing the course. These fees are a fraction of the cost of normal tuition. These credits are transferrable to many Pennsylvania colleges and universities. This course is also offered through the HACC Virtual Consortium (online only).

Fee(s): \$150 → Tuition fee

Text → Text cost regardless if student is taking for HACC credit or not.

## Pathways2Success Cooperative Education – Class (# 2XXX)

1.00 Credit

Semester – Daily

Offered Grades: 11, 12

Prerequisite(s): Students must have an interview before being accepted into the program; student must be employed by a local business; student must obtain working papers; student must agree to have open communication between school district, parent and employer; students must have their own transportation within the community (parent agreement to transport, walking distance to employment setting, has valid PA Driver's License).

### Course Description:

The focus of co-op is to provide learners with an alternative education option to gain work experience through co-op employment. At the same time, advancing student training in high priority careers in a customized setting that is learner focused. Classroom instruction will focus on learning skills that local employers desire in their employees. Students will have work-based and academic based learning experiences that are based on each student's individual goals. Partnerships with local county employers and employment agencies will be utilized.

Students must successfully complete an interview before being accepted into the program. The individual student's credits will determine how many classes must be taken at GS before being permitted to leave for work during school hours.



## ENGLISH

Department Facilitator: Mr. Neil Weidman / Ms. Hillary Martin

Course Sequence:

English	9	10	11	12
<b>Honors</b>	Keystone English 9 Honors	Keystone English 10 Honors*	English 11 Honors Advanced Composition & Speech (ACS)	English 12 Honors Elective
<b>Academic</b>	Keystone English 9	Keystone English 10*	English 11	English 12 Elective
<b>Career</b>	Keystone English 9	Keystone English 10*	English 11	English 12 Elective

\* = Keystone Exam

### Keystone English 9 (#s 3305, 3310)

1.00 Credit

Semester – Daily

**Offered Grades: 9 (Required)**

Prerequisites: None



Course Description:

Students in ninth grade will engage in English study that develops and hones the crucial abilities of reading, writing, speaking, and listening. A major emphasis on writing routinely with specific purpose in a variety of modes—including narrative, expository, persuasive, and research—serves as the main thrust of this course. Students will also read, interpret, and write about literature, including short fiction and nonfiction, the novel, and drama. Critical reading, writing, and thinking strategies will equip students to build comprehension and to develop their analytical writing skills. Placement in the following courses is dependent upon a combination of individual student data, historical grades, and teacher recommendation.

3305 → Keystone English 9 Honors (Weighted Credit)

3310 → Keystone English 9

### Keystone English 10 (#s 3335, 3340)

1.00 Credit

Semester – Daily

**Offered Grades: 10 (Required)**

Prerequisites: Successful completion of Keystone English 9.



Course Description:

Students in tenth grade will engage in English study that continues to develop and hone the crucial abilities of reading, writing, speaking, and listening. A major emphasis on reading and writing about literature—in analysis and evaluation—will serve as the prominent focus of study. Many of the literary works students will explore come from the authors of England and America. Critical reading, writing, and thinking strategies will equip students to build comprehension and to develop their analytical writing skills. Placement in the following courses is dependent upon a combination of individual student data, historical grades, and teacher recommendation.

3335 → Keystone English 10 Honors (Weighted Credit)

3340 → Keystone English 10

## English 11 (#s 3040, 3048)

1.00 Credit

Semester – Daily

Offered Grades: 11



Prerequisites: Successful completion of Keystone English 9 and 10.

### Course Description:

Eleventh grade English includes units on literature, reading, writing, speaking and listening. Students will have opportunities to analyze literary selections and develop a deep understanding and appreciation of American literature. Critical reading, writing, and thinking strategies will help students build comprehension and develop their writing skills. Students will also develop effective verbal communication skills. In the Honors course, the major emphases of this course are major American literary forms, rhetoric, and composition, with complementary instruction in grammar and usage. Placement in the following courses is dependent upon a combination of individual student data, historical grades, and teacher recommendation.

3040 → English 11 Honors (Weighted Credit)

3048 → English 11

## English 12 (#s 3065, 3050)

1.00 Credit

Semester – Daily

Offered Grades: 12



Prerequisites: Successful completion of Keystone English 9, 10 and English 11 Honors.

### Course Description:

English 12 (# 3065) and English 12 Honors (# 3050) are designed to prepare students for career-level (English 12) or college-level (English 12 Honors) work. The major emphases in this course include tragedy and English literature. Essays, tests, projects, and longer analysis papers will be the modes of assessment.

3050 → English 12 Honors (Weighted Credit)

3065 → English 12

## Advanced Composition & Speech (# 3140)

1.00 Credit (Weighted)

Semester – Daily

Offered Grades: 11, 12



Prerequisites: Successful completion of Keystone English 9 and 10.

### Course Description:

This course aims to prepare students – ahead of time – for thinking, learning and performing academically at the college level. Students will rise to the challenges presented by acquiring the skills and conceptual knowledge necessary to think, to plan, to research, to write, and to speak at a level required in post-secondary education. Lessons learned in this course should serve the students' academic needs throughout the rest of the years of their schooling. Beginning with end in mind, students will be gaining the ability to clearly and articulately communicate in both the oral and written traditions.

## AP Literature (# 3200)

1.00 Credit (Weighted)

Semester – Daily

Offered Grades: 11, 12

Prerequisites: Successful completion of Keystone English 9 and 10 and teacher recommendation.

### Course Description:

An AP English Literature and Composition course engages students in the careful reading and critical analysis of imaginative literature. Through the close reading of selected texts, students deepen their understanding of the ways writers use language to provide both meaning and pleasure for their readers. As they read, students consider a work's structure, style and themes, as well as such smaller-scale elements as the use of figurative language, imagery, symbolism and tone. The course includes intensive study of representative works from various genres and periods, concentrating on works of recognized literary merit. Reading in an AP course is both wide and deep. This reading necessarily builds upon and complements the reading done in previous English courses so that by the time students complete their AP course, they will have read works from several genres and periods — from the 16th to the 21st century. More importantly, they will have gotten to know a few works well. In the course, they read deliberately and thoroughly, taking time to understand a work's complexity, to absorb its richness of meaning, and to analyze how that meaning is embodied in literary form. In addition to considering a work's literary artistry, students reflect on the social and historical values it reflects and embodies. Careful attention to both textual detail and historical context provides a foundation for interpretation, whatever critical perspectives are brought to bear on the literary works studied.

Fee(s): Exam → Students are responsible for ½ the cost of the AP Exam.

## Creative Writing (# 3240)

1.00 Credit

Semester – Daily

Offered Grades: 11, 12

Prerequisites: Successful completion of Keystone English 9 and 10.

### Course Description:

This elective is designed for students who have a sincere interest in learning the "how to" of writing short stories, plays, poetry, and personal essays. The course offers classical examples of numerous literary genres and uses a process approach to writing, involving motivational activities, writing rough drafts, revision and editing through peer counseling to produce a final product, with the potential for publication.

## Composition and Rhetoric (# DE3260)

1.00 Credit (GSHS)

Semester – Daily

3.00 Credits (Thaddeus Stevens College of Technology – Dual Enrollment)

Offered Grades: 11, 12 (FALL) **[NOT OFFERED]**

### Course Description:

Students who enroll in this course will improve the clarity, correctness, and organization of their written expressions, as well as develop critical reading and thinking skills that support the presentation of a cogent verbal argument. The class emphasizes the reciprocal and complementary relationship between writing, thinking, speaking, and listening. Formal compositions require student to formulate and articulate an informed position about a selected topic pertaining to their personal experiences, as well as social issues and programs. Additionally, the course provides students with a working knowledge of the elements of rhetoric, the conventions of Standard English, the stylistic choices that enhance the effectiveness of formal writing, and the persuasive tools of public presentation. This class will equip students for both college work

and future writing in professional settings. Students may take the course for three transferrable credits through Thaddeus Stevens College of Technology.

### **Keystone English (# 3340PBA)**

1.00 Credit

Semester – Daily

Offered Grades: 11, 12 **[NOT OFFERED]**

Prerequisites: None

#### Course Description:

Students who have not demonstrated proficiency on the Literature Keystone Exam after the required attempts are mandated by PDE to participate in a project-based assessment as an alternative path to meet the Keystone graduation proficiency requirement. This course is structured as an online assessment from PDE for individual completion of a series of tasks and learning experiences which culminate in a final project in the area of Literature. Each project is broken into manageable tasks. The teacher will provide eligible content materials and instruction time before each task. A task may have one or two activities within it. At the end of each task, there is a checkpoint. When a task is completed, the student submits the task to the teacher electronically. If the teacher deems the work satisfactory, the student may move forward on the project. If the work is unsatisfactory, the Teacher provides remediation so the student can redo the activity and resubmit. For seniors, projects must be submitted no later than January 15<sup>th</sup> of the senior year. This will allow for resubmission if the project is deemed unsatisfactory.

### **Contemporary Literature (# 3400)**

1.00 Credit

Semester – Daily

Offered Grades: 11, 12

Prerequisites: Successful completion of Keystone English 9 and Keystone English 10.

#### Course Description:

This course invites students to analyze literature published from 1950 to present day from a variety of perspectives, known as critical lenses. Works include *The Book Thief*, *The Giver* and companion books, *Interpreter of Maladies*, *Speak*, *Fools*, and student-chosen short stories, poems, and graphic novels. All writings will be less than two pages in length and will be paired with discussion. The final exam consists of an original digital story presented as a movie to the rest of the class. Students will continue to build upon critical thinking and literary analysis skills established in ninth and tenth grade.

### **Reading Workshop 9 (# 3420)**

0.25 Credit

Quarter – 5 days / cycle

Offered Grades: 9 **[NOT OFFERED]**

Prerequisites: None

#### Course Description:

This course features contemporary young adult fiction along with contemporary biographies to strengthen students' use and understanding of reading strategies in order to gain a deeper meaning from text. A strong focus will also be placed on the review of Keystone Exam concepts through the novels and project-based assessments.

## Reading Workshop 10 (# 3430 and 3430H)

0.25 Credit

Quarter – 5 days / cycle

Offered Grades: 10 **[NOT OFFERED]**

Prerequisites: None

### Course Description:

This course features contemporary young adult fiction along with contemporary biographies to strength students' use and understanding of reading strategies in order to gain a deeper meaning from text. A strong focus will also be placed on the review of Keystone Exam concepts through the novels and project-based assessments.

3430H → Advanced Reading Workshop (Weighted Course)

## Journalism (# 3450)

1.00 Credit

Semester – Daily

Offered Grades: 10, 11, 12

Prerequisites: Successful completion of Keystone English 9.

### Course Description:

This course is designed to teach the skills and writing techniques used in print and broadcast journalism. The objectives are to develop the ability to distinguish between fact and opinion, to develop news judgment, and to communicate ideas clearly, concisely, and effectively through straight news, feature, sports, and editorial reporting and writing. Students are encouraged to publish.

## Reading Strategies 1 (# 9335)

1.00 Credit (Elective Only)

Semester – Daily

Offered Grades: 9, 10, 11

Prerequisites: IEP Team Recommendation only

### Course Description:

This course is designed for special education students who benefit from additional remediation and instruction in basic reading and writing instruction. Fluency, encoding and decoding, vocabulary, written expression, and comprehension are all addressed. The course is designed to address students' IEP goals. This course is offered as an elective and does not replace instruction in required English courses. Participation in this course should be discussed by the student's IEP team for appropriateness.

## ENGLISH LANGUAGE LEARNERS (ELL)

### English as a Second Language (ESL)

0.50 – 2.00 Credits

Semester – Daily

Offered Grades: 9, 10, 11, 12

Prerequisites: Students are identified by the Home Language Survey and individual ESL needs assessment. All qualifying English Language Learning Students are served by the program according to their individual needs.

(ESL would normally qualify for up to a maximum one (1) credit in English for the entire high school experience; exceptions can be made under special circumstances. Any credits earned beyond one (1)

English credit will be counted as elective credits as determined by the ESL instructor and the student's counselor.)

Program Description:

This program is intended for students whose native language is not English and whose skills in English are below the level of native English speaking classmates. Understanding, speaking, reading, and writing of English are offered as well as tutoring in other subject areas. Students will be assigned from one (1) period to three (3) periods a day, depending on their proficiency.

**ESL BEG1 Level 1 – Beginner S1 → 2 Credits**

**ESL BEG2 Level 1 – Beginner S2 → 2 Credits**

**ESL INT1 Level 2 – Intermediate S1 → 1 Credit**

**ESL INT2 Level 2 – Intermediate S2 → 1 Credit**

**ESL ADV1 Level 3 – Advanced S1 → 0.50 Credit**

**ESL ADV2 Level 3 – Advanced S2 → 0.50 Credit**

**GIFTED SERVICES**

Gifted Support

Credit - Varies

Per GIEP

Offered Grades: 9, 10, 11, 12

Prerequisites: Multidisciplinary Evaluation, GIEP, NOREP

**Advanced Leadership Seminar (# 8200)**

1.00 Credit (Weighted)

Semester – Daily

Offered Grades: 9, 10, 11, 12

Prerequisites: Multidisciplinary Evaluation, GIEP, NOREP

Course Description:

This course is designed as an honors level, on semester elective which will include the study of leadership skills as well as effective study, communication, technology, and rhetorical skills. Students will participate in learning methodologies that focus on whole class, small group, and individual work, including one group project and one individual project. The curriculum, based on the program *Building Leaders for Life* from the Washing Association of Secondary School Principals, focuses on five distinct areas: communications, group processes, managerial skills, self-awareness, and human relations. Learning units will include such topics as historical and modern leaders and role models, current and historical events, communications and rhetorical skills, Key Club (or other clubs within and/or outside the school community which allow for the student to take a leadership role), and research and writing skills.

**AP Seminar (# 8100AP)**

1.00 Credit (Weighted)

Semester – Daily

Offered Grades: 11, 12

Prerequisites: GIEP strongly encouraged

Course Description:

AP Seminar is a foundational course that engages students in cross-curricular conversations that explore the complexities of academic and real-world topics and issues by analyzing divergent perspectives. Using an inquiry framework, students practice reading and analyzing articles, research studies, and foundational literary and philosophical texts; listening to and viewing speeches, broadcasts, and personal accounts; and experiencing artistic works and performances. Student learn how to synthesize information from multiple sources, develop their own perspectives in research-based written essays, and design and deliver oral and visual presentations, both individually and as part of a team. Ultimately, the course aims to equip students with the power to analyze an evaluate information with accuracy and precision in order to craft and communicate evidence-based arguments. There are no prerequisites courses for the AP Seminar course.

### **Philosophy 101 – Honors (# 8150)**

1.00 Credit (Weighted)

Semester – Daily

Offered Grades: 9, 10, 11, 12

Prerequisites: Multidisciplinary Evaluation, GIEP, NOREP

#### Course Description:

Philosophy 101 is an introductory course into the history, development and schools of thought in the field as it developed over time. The course will encompass a series of significant figures from the Greeks to the present, and their development of concepts basic to the human experience. Primary sources will be used to investigate and analyze such topics as truth, justice, knowledge, perception, freedom and society, and social justice and nonviolence. Students will be able at the end of the course to conduct research, accessing, analyzing, and synthesizing information as they address a specific analytical question culminating in an academic paper accompanied by a presentation and exhibition of evidence. There is a GIEP prerequisites for this course. Canvas online format.

### **Exploring Cross-Cultural American Literature – Honors (# 8175)**

1.00 Credit (Weighted)

Semester – Daily

Offered Grades: 10, 11, 12

Prerequisites: Multidisciplinary Evaluation, GIEP, NOREP

#### Course Description:

This course will look at the impact and influence prose and poetry have had across cultural divides throughout American history. By looking at American history through the multiple lenses of human relationships; America as a sense of promise, discovery, and survival; facing life with laughter, fears, and tears; and the many facets of nature, this course will explore the ties between prose and poetry, the use of personal history or cultural background by authors, and how to create such prose and poetry. A basic understanding of the structure and vocabulary of prose and poetry is required although lessons on more advanced writing skills will be provided. Students at the end of the course will be able to analyze and synthesize information from various sources and use those skills to create original writings in both prose and poetry. There is a GIEP prerequisites for this course. Canvas online format. For grades 10, 11, and 12.

## HEALTH & PHYSICAL EDUCATION

Department Facilitators: Ms. Coleen Parmer & Ms. Julie Groft

### Overview:

Students in all Physical Education classes will have their fitness level assessed at the beginning, middle, and end of the semester. Students will be required to write a goal statement after their first fitness assessment, check their progress relative to their first goal statement after the second assessment, and check for attainment after the third assessment. The fitness assessments are strictly for the student in meeting his or her specific fitness goals.

### General Health & Physical Education (HPE) Guidelines:

1. Locks purchased from the school should be used to secure personal clothing and belongings in assigned bins/lockers. The lock fee is \$4.50. *Please note, Garden Spot High School is not responsible for lost or stolen personal items.*
2. Students are required to change into activity appropriate attire, which includes a full-sleeved t-shirt that displays school appropriate pictures and words. Shorts should be of appropriate length. School dress code applies. Students may choose to wear sweatpants and or sweatshirts in case of inclement weather.
3. Most activities are offered on a coeducational basis unless otherwise noted.
4. Students will be required to wear heart rate monitors in all classes as part of their assessment. Students may buy their own heart rate monitor strap if they choose to do so at a cost of \$25.00.
5. Each student will be given a heart rate monitor strap at the beginning of the course. They will keep it the entire semester. If they lose the strap, they are required to pay \$25.00 for it.
6. Competitive Lifetime Physical Activity (CLPA) and Fitness & Weight Training (FWT) may only be taken once.

**Health (# 6050)**

0.50 Credit

Semester – Every other day

Offered Grades: 10 – **REQUIRED**

Prerequisites: None

### Course Description:

Health is designed to provide the student with practical and useful information for both the present and the future. The emphasis is on information, which the student can apply to lead a healthy lifestyle. Topics covered throughout the course are: Stress and Mental Health, Fitness, Nutrition, Alcohol, Tobacco, and Other Drugs, Immune Response and Disease, Healthy Relationships, First Aid, and Consumer and Community Health.



## Health Topics: Anatomy & Physiology (# 6070)

1.00 Credit

Semester – Daily



Offered Grades: 11, 12

Prerequisites: B or higher in Health, Chemistry, or concurrently enrolled in Biology.

### Course Description:

Students interested in going into the medical field, biology, athletic training, physical education, health education or nursing field should consider taking this course. This course is intended to provide the student with an in depth look at the human body and the way it works. Topics covered include skeletal, muscular, nervous, and digestive systems, as well as medical vocabulary and anatomical terms. Students will participate in a dissection in this class.

Fee(s): \$20 → Lab

## Physical Education 9 (# 6XXX)

0.50 Credit

Semester – Every other Day

Offered Grades: 9 (Required rotation)

Prerequisites: None

### Course Description:

This course focuses on physical fitness through personal fitness assessment and individual goal setting. Students will actively engage in a multitude of activities while focusing on improvement of motor skills, application of game strategies and enhancement of group interaction. In addition, students will strive to improve both health- and skill- related elements of fitness through participation in these activities. Activities offered include but are not limited to archery, weight training, soccer, football, Ultimate Frisbee, basketball, badminton, volleyball, wall climbing, and biking.

## Physical Education 10 (# 6XXX)

0.50 Credit

Semester – Every other Day

Offered Grades: 10 (Required rotation)

Prerequisites: None

### Course Description:

This course focuses on physical fitness through personal fitness assessment and individual goal setting. Students will actively engage in a multitude of activities while focusing on improvement of motor skills, application of game strategies and enhancement of group interaction. In addition, students will strive to improve both health and skill related elements of fitness through participation in these activities. Activities offered include but are not limited to archery, weight training, tennis, football, softball, basketball, badminton, volleyball, wall climbing, and biking.

## Lifetime Physical Activity (# 6280)

1.00 Credit

Semester – Daily

Offered Grades: 11, 12

Prerequisites: None

### Course Description:

Lifetime Physical Activity (LPA) focuses on physical fitness through personal fitness assessment and individual goal setting. Students will actively engage in a multitude of activities while focusing on improvement of motor skills, application of game strategies and enhancement of group interaction. In addition, students will strive to improve both health- and skill-related elements of fitness through activity.

Students will have the opportunity to choose activities that support the achievement of their fitness goals and promote lifelong participation in activity. Activities offered include but are not limited to archery, weight training, tennis, football, softball, basketball, badminton, volleyball, wall climbing, and biking.

### **Competitive Lifetime Physical Activity (# 6290)**

1.00 Credit  
Offered Grades: 11, 12  
Prerequisites: None

Semester – Daily

#### Course Description:

Are you a competitor? Do you enjoy pushing yourself to the limit during physical activities? Then Competitive Lifetime Physical Activity is for you. This class allows you to compete in class with others who are ultra-competitive when it comes to the sport arena. Concepts covered and class assessments will be the same as LPA, however, the activities may be altered to meet the needs of ultra-competitors!

### **Fitness & Weight Training (# 6390)**

1.00 Credit  
Offered Grades: 11, 12  
Prerequisites: None

Semester – Daily

#### Course Description:

Fitness and weight training mainly focus on a combination of weight training, cardio respiratory activities and flexibility exercises to improve a student's overall fitness. This class, like other physical education classes focuses on physical fitness through personal fitness assessment followed by individual goal setting. Students will engage in activities that will improve both health- and skill- related elements of fitness. Students will review the elements of fitness and principles of exercise and put them into action through the use of a personal fitness plan that supports the achievement of their fitness goals. The primary goals of this course are to improve fitness while enabling the student to make educated decisions regarding fitness and weight training program design and application.

### **Sport Performance (#6460 & #6470)**

1.00 Credit  
Offered Grades: 11  
Prerequisites: Participation in Garden Spot Athletics. An "A" in PE 9 and PE 10, and a "B" or higher in Health.

Semester – Daily

#### Course Description:

Sport Performance will focus on improving a student athlete's performance within the sport(s) that they play at Garden Spot. The course will utilize a blended format between classroom, gym, track, and the fitness center. Individual Programs will be written and utilized to develop each student's potential within strength and performance. This class, like other physical education classes will focus on physical fitness through personal fitness assessment followed by individual goal setting. Students will engage in activities that will improve both health- and skill- related elements of fitness ultimately leading to better performance within their sport of choice. Students will apply the elements of fitness and principles of exercise to achieve their performance goals. Sport Nutrition and diet will also be a part of the course encouraging healthy eating. The Primary goal of this course is to support our student athlete population with a course that can facilitate enhanced performance in the realm of athletics.

- **Semester 1 Course Offering (#6460)** – Basketball, Baseball, Track & Field, Bowling, Rifle, Softball, Boys Tennis

- **Semester 2 Course Offering (#6470)** – Football, Field Hockey, Soccer, Volleyball, Girls Tennis, Golf, Cross Country

**HUMANITIES**

Department Facilitator: Mr. Adam Bunting & Mr. Rich Fitz

**Guitar Lab (# 5010)**

1.00 Credit Semester – Daily  
Offered Grades: 9, 10, 11, 12  
Prerequisites: None

Course Description:

This one credit guitar course will offer each student the opportunity to develop an intermediate proficiency on the guitar. The fundamentals of guitar technique are taught to every student and are mastered through regular practice. This course will be a combination of classical, folk and rock guitar styles of playing. Acoustic guitars will be provided. Students may only take this course once.

Fee(s): *Guitar Fee* → \$20

**Piano Lab (# 5015)**

1.00 Credit Semester – Daily  
Offered Grades: 9, 10, 11, 12  
Prerequisites: None

Course Description:

This one credit piano course will offer each student the opportunity to develop an intermediate proficiency on the piano. The fundamentals of piano technique are taught to every student and are mastered through regular practice. This course will be a combination of classical, folk and rock piano styles of playing. Digital Pianos will be provided. Students may only take this course once.

Fee(s): *Piano Lab Fee* → \$20  
*Piano Book Fee* → \$12.95

**American Music Theater (# 5060)**

1.00 Credit Semester – Daily  
Offered Grades: 9, 10, 11, 12  
Prerequisites: None

Course Description:

In this course the curtain rises on one of America's most popular forms of entertainment--the musical comedy. Study the fascinating history and evolution of this distinctive aspect of our culture. Discover and enjoy the stories and memorable music, composers, and performers that have made the American Musical great, as you learn how music, dance, and acting intertwine in this theatrical form.

### **Applied Music (Band/Chorus) (# 5020, #5030, #5040, #5070, #5XXX, #5XXX)**

0.00 – 1.0 Credit

Semester – Daily

Offered Grades: 9, 10, 11, 12

Prerequisites: By audition for Band, No audition required for Chorus

#### Course Description:

A student may choose to be a part of band, chorus, or both performing groups. Applied Music includes the study of and subsequent appreciation of music through performance. Learning the art of music performance through concentration on all the aspects - mental, physical, spiritual, scientific, artistic, self-disciplinary actions, historical, ensemble techniques - is the goal. Extensions of Applied Music are the section rehearsal, the private lesson, the small ensemble, and the county, district; regional, and all-state select groups.

Participation in all student assembly and public performances is a requirement for this course.

This course does not operate on a semester basis. The offerings in Applied Music are designed to cover the entire school year.

5020 → Applied Music – Fall (1.0 Credit)

5070 → Applied Music – Spring (0.5 Credit – iSpartan)

5XXX → Applied Music – Fall (0.0 Credit)

5XXX → Applied Music – Spring (0.0 Credit – iSpartan)

### **Music Theory (# 5170)**

1.00 Credit

Semester – Daily

Offered Grades: 10, 11, 12

Prerequisites: One credit in Applied Music or approval of instructor.

#### Course Description:

Music Theory is the study of the language of music or, in other words, the visual representation of musical sounds. The student will be introduced to the elements of music and will study scales, key signatures, meter, intervals, triads, choral progressions, cadences, ear training, harmonic analysis, bass lines, and composition of melodies. By studying the language of music, the student will better understand the music he or she performs and listens to. Students with an aptitude for composition will be encouraged to pursue this medium as well.

### **AP Music Theory (# 5200)**

1.00 Credit (Weighted)

Semester – Daily

Offered Grades: 10, 11, 12

Prerequisites: One credit in Applied Music or approval of instructor.

#### Course Description:

The Advanced Placement Music Theory Course is a one-semester course designed to be the equivalent of a college-level introductory course. Attention will be given to ear training, chord recognition, rhythmical and melodic dictation, music analysis, figured bass, composition and arranging. Students will also learn to recognize basic composers and their compositional traits. College credit and/or appropriate placement will be granted by participating colleges to students who score well in the standardized examination.

Fee(s): Exam → Students are responsible for ½ the cost of the AP Exam.

## Vocal Techniques (# 5550)

1.00 Credit

Semester – Daily

Offered Grades: 9, 10, 11, 12

Prerequisites: None

### Course Description:

Vocal Techniques is a music course designed to teach students how to use vocal technique to improve overall singing and become more confident in vocal performances. This course would benefit any high school student who enjoys singing by providing an opportunity to discover their natural vocal ability, gain knowledge of how the human voice works, understand and practice good vocal health, get group and individualized vocal instruction and develop vocal performance skills. Part of the class requirement would include the preparation and performance of a variety of songs in class, both in small groups and as solos.

## Bach to Rock – Music Appreciation (# 5560)

1.00 Credit **[NOT OFFERED]**

Semester – Daily

Offered Grades: 9, 10, 11, 12

Prerequisites: None

### Course Description:

Music Appreciation – Bach to Rock is a music history class designed to expose students to a multitude of styles, genres, composers, and historical periods of music. Through guided listening, class activities and class discussion, students will learn how music is written, how styles of music evolve over time, and how to effectively listen to music to gain a greater appreciation for its craftsmanship. The class will begin with the history of Early European music and move up through modern popular music with focus on Symphonic music, Jazz, Pop and Rock.

## 2D Design (# 5360)

1.00 Credit

Semester – Daily

Offered Grades: 9, 10, 11, 12

Prerequisites: None

### Course Description:

The course emphasizes basic skills in drawing, painting and mixed media. The semester includes additional processes with two-dimensional design materials. Students may elect to take the course for one semester.

Fee(s): \$25 → Art supplies

### **Advanced Drawing & Painting (# 5311)**

1.00 Credit

Semester – Daily

Offered Grades: 10, 11, 12

Prerequisites: Successful completion of 2D Design (# 5360)

Course Description:

This course will focus on advanced techniques and approaches in drawing and painting mediums. There will be approximately an even split between drawing and painting content. This course is for students serious about improving their drawing and painting skills. The goal will be to build on the drawing and painting skills and fundamentals gained in 2D Design (prerequisite) with a greater focus on development of personal artistic style and skills needed for art at the college level.

Fee(s): \$25 → Art supplies

### **Advanced Clay Studio (# 5405)**

1.00 Credit

Semester – Daily

Offered Grades: 10, 11, 12

Prerequisites: Successful completion of 3D Art.

Course Description:

Students expand their knowledge of Clay Studio with advanced exploration of materials and techniques used in the construction of hand built or wheel thrown pottery. This is a semester length course that can be taken either first or second semester.

Fee(s): \$25 → Art supplies

### **3D Design (# 5425)**

1.00 Credit

Semester – Daily

Offered Grades: 10, 11, 12

Prerequisites: None

Course Description:

The 3D course will introduce students to 3-dimensional design. Students will learn to visually express their ideas in 3-d with the use of various materials such as wood, plaster, metal, paper and plastic. They will also be introduced 3-dimensional hand building techniques in the clay studio. Students will spend 9 weeks in the clay studio and 9 weeks in the 3d studio.

Fee(s): \$25 → Art supplies

### **Advanced Portfolio Development 1 (# 5605)**

1.00 Credit (Weighted)

Semester – Daily

Offered Grades: 10, 11

Prerequisites: Admission by application only.

Course Description:

Not available as a single year selection, both grade 10 and 11 or 11 and grade 12 are necessary to prepare portfolio. Qualifications include:

1. Secure an application from your art teacher.
2. Submit five (5) pieces of work for critique.

3. Have interview with art teachers / department facilitator.
4. Student must maintain an "A" or "B" average in previous Art classes.
5. Students must maintain an "A" or "B" average to remain in Honors program.

Fee(s): \$25 → Art supplies

### **Advanced Portfolio Development 2 (# 5615)**

1.00 Credit (Weighted)

Semester – Daily

Offered Grades: 11, 12

Prerequisites: Advanced Portfolio Design 1

Course Description:

The purpose of these courses is to provide talented art students who may be considering attending art school an opportunity to develop an exemplary portfolio; to provide classes dedicated to advanced skills and concepts in art; and to earn possible Advanced Placement credit. Not available as a single year selection, both grade 10 and 11 or 11 and grade 12 are necessary to prepare portfolio.

Fee(s): \$25 → Art supplies

**INTERNSHIP**

### **Internship (# 2474)**

1.00 Credit

Semester – Daily

Offered Grades: 12

Prerequisites:

1. Candidates must complete application form – Provided by Intern Coordinator and Guidance Office.
2. Candidates must have senior academic status.
3. Student interns must provide their own transportation if their placement requires it.
4. Candidates must acquire an internship placement in which they can work for 80 minutes per school day or a total of 400 minutes per week.

Course Description:

Internship grants seniors an opportunity to observe and explore actual employment scenarios in order to develop career awareness and to aid them in focusing their post-secondary goals. This is not a work-training program, and students may not receive payment from their Internship placements. Students under the age of 18 and seeking to do an off-campus Internship with a local business must turn in proof of child abuse clearances from their site supervisor.

Students will be assessed by their mentor and by the Internship Coordinator on their professionalism, stepping out of their comfort zone and their performance on multiple reflective assessments. Mandatory classroom instruction will occur during iSpartan, one cycle day per week. Internship students are not permitted to leave campus early (open campus) on classroom instruction days.

## MATHEMATICS

Department Facilitator: Mr. Scott Miller

Course Sequence:

Mathematics	9	10	11	12
Honors	Algebra II Honors	Keystone Geometry Honors	Pre-Calculus Honors	Elective
Academic	Keystone Algebra*	Keystone Geometry	Pre-Calculus / Probability & Statistics / Integrated Math	Elective
Career	Pre-Algebra	Keystone Algebra*	Keystone Geometry	N/A

\* = Keystone Exam

### Pre-Algebra (#7100)

1.00 Credit

Offered Grades: 9

Prerequisites: None

Semester – Daily

Course Description:

Pre-Algebra is a freshmen level course that is designed to prepare students for a Keystone Algebra course. It is designed for students who are not projected to pass the Keystone Exam and need an additional semester of mathematics focusing on algebraic thinking. It is not intended for college track students. During this course students will learn the general principles of Algebra. This will include measurement, variables, solving equations, problem solving strategies, real numbers, and graphing.

### Keystone Algebra (# 7035)

2.00 Credits

Offered Grades: 9

Prerequisites: None

Full Year – Daily



Course Description:

This course is a study of the important concepts and skills of Algebra, including operations with simple algebraic expressions, positive and negative numbers, linear equations in one or two variables, graphic representation, polynomial expressions, rational expressions and quadratic equations. Reading and problem solving are emphasized throughout the course. Students will use scientific calculators and be able to decide when its use is appropriate.

*Upon completion of this course students will be required to complete the Algebra I Keystone Exam.*

### Algebra 2 (# 7060 and 7090)

1.00 Credit

Offered Grades: 10, 11

Prerequisites: Non-Proficient on Algebra 1 Keystone Exam

Semester – Daily



Course Description:

This course will focus on developing proficiency with mathematical algebraic skills, expanding understanding of mathematical and algebraic concepts, improving logical thinking, and communicating mathematical reasoning in written, verbal and visual form. This course expands the units studied in the



Keystone Algebra (high school) and Keystone Algebra 1 (middle school) courses both in depth and scope with additional topics included.

7060 – Algebra 2 Academic

7090 – Algebra 2 Honors (Weighted)

*A TI-83 Plus or TI-84 graphing calculator is recommended.*

### **AP Statistics (# 7150)**

1.00 Credit (Weighted)

Semester – Daily



Offered Grades: 11, 12

Prerequisites: Successful completion of Algebra 2 Honors, Academic Pre-Calculus, or Honors Pre-Calculus

#### Course Description:

The course will be a study in collecting and analyzing data. Students will explore the methods and technology used in statistics. The students will be preparing themselves for the AP exam by completing the topics in a college Statistics I course.

*Students must have a graphing calculator for this course. A TI-83 Plus or TI-84 is recommended.*

Fee(s): Exam → Students are responsible for ½ the cost of the AP Exam.

### **Academic Calculus (# 7160)**

1.00 Credit

Semester – Daily



Offered Grades: 11, 12

Prerequisites: Successful completion of Academic Pre-Calculus or Honors Pre-Calculus

#### Course Description:

Calculus begins with a concentrated review of functions and the Cartesian plane. The main topics in the course are limits and continuity, derivatives (slope of the tangent line and instantaneous velocity) and their applications, and integration (the inverse of derivatives) and their applications.

*Students must have a graphing calculator for this course. A TI-83 Plus or TI-84 is recommended.*

### **AP Calculus AB (# 7172A)**

2.00 Credits (Weighted)

Full Year – Daily



Offered Grades: 11, 12


Prerequisites: Successful completion of Pre-Calculus Honors and math instructor approval.

#### Course Description:

The AP Calculus AB course is designed to be the equivalent of the Calculus course taken during the first year of college. Students will gain an in-depth understanding of differential and integral calculus. Students who opt to take the AP examination should be aware of the fees involved (see below). Admission is granted by application only.

*Students must have a graphing calculator for this course. A TI-83 Plus or TI-84 is recommended.*

Fee(s): Exam → Students are responsible for ½ the cost of the AP Exam.

**AP Calculus BC (# 7172B) **



1.00 Credit (Weighted)

Semester – Daily

Offered Grades: 11, 12 **[PENDING NCAA APPROVAL]**

Prerequisites: Successful completion of AP Calculus (# 7172) or AP Calculus AB (#7172A)

Course Description:

The AP Calculus BC course is designed to be the equivalent of a first-semester college calculus course and the subsequent single-variable Calculus course. Students will expand their understanding of differential and integral Calculus, and series. Students who opt to take the AP examination should be aware of the fees involved (see below.)

*Students must have a graphing calculator for this course. A TI-83 Plus, TI-84, or TI-89 is recommended.*

*Fee(s): Exam → Students are responsible for ½ the cost of the AP Exam.*

**Intermediate Algebra (# 7XXX / # DE7XXX)**

1.00 Credit

Semester – Daily

3.00 Credits (Thaddeus Stevens College of Technology – Dual Enrollment)

Offered Grades: 11, 12

Prerequisites: Successful completion of Keystone Algebra or Algebra 2 and Keystone Geometry; Math GPA of 3.0

Course Description:

This course is designed to provide a more fundamental understanding of mathematical topics covered in previous classes (primarily Algebra I and II). The focus will be on developing the number sense and critical thinking skills necessary to allow for a richer comprehension and more skillful application of all concepts. Students may take the course for three transferrable credits through Thaddeus Stevens College of Technology.

*Fee(s): Thaddeus Stevens College of Technology → Students are responsible for the enrollment and course costs associated with the dual enrollment course.*

**Math 11 (# 7240)**

1.00 Credit

Semester – Daily

Offered Grades: 11, 12

Prerequisites: Successful completion of Keystone Geometry

Course Description:

This course is intended to prepare students for real life applications of mathematics. It builds on concepts explored in Algebra and Geometry to see how math is applied to finances, special reasoning, and problem solving. This is not a sufficient prerequisite if you intend to take Calculus.

## Keystone Geometry (# 7290, 7295, 7315)

1.00 Credit

Semester – Daily



Offered Grades: 10, 11

Prerequisites: Successful completion of Keystone Algebra.

### Course Description:

This course features a unified treatment of plane and solid geometry, the introduction of coordinate geometry, and a development of the relationship between Algebra and Geometry. The students will develop a vocabulary of geometry terms and apply geometry concepts and formulas to all types of polygons and other geometric figures.

7290 – Keystone Geometry

7295 – Keystone Geometry Honors (Weighted)

7315 – Keystone Geometry Co-Taught

## Pre-Calculus (# 7360, 7370)

1.00 Credit

Semester – Daily



Offered Grades: 10, 11, 12

Prerequisites: Successful completion of Keystone Algebra and Keystone Geometry

### Course Description:

Pre-Calculus uses Algebra and Geometry in a study of functions – polynomial, logarithmic, exponential and circular. The extensive treatment of the circular functions is a complete course in Analytic Trigonometry, which is needed for Calculus. Additional topics may include conics, statistics and probability.

7360 – Academic Pre-Calculus

7370 – Honors Pre-Calculus (Weighted)

*A TI-83 Plus or TI-84 graphing calculator is recommended.*

## Probability & Statistics (# 7390)

1.00 Credit

Semester – Daily



Offered Grades: 10, 11, 12

Prerequisites: Successful completion of Keystone Geometry

### Course Description:

This course is meant to be an introduction to the study of Probability and Statistics. Students will explore concepts such as probability, collecting and analyzing data, sampling techniques, and making observations and inferences about sets of data. Students will explore the methods and technology used in statistics.

## Computer Programming (# 7600)

1.00 Credit

Semester – Daily

Offered Grades: 10, 11, 12

Prerequisites: Successful completion of Keystone Algebra or Algebra 2 and Keystone Geometry

### Course Description:

This course will give students a broad understanding of computer programming, preparing them for college level computer science. It assumes no programming experience. Students will learn to write, compile and execute a program using Java Language fundamentals such as its keywords, data types, strings, variables, and arithmetic operators. The focus is on fundamental principles of problem solving and basic concepts of Java language. Students will learn how to use various control structures in Java

such as if/else, while, for, Boolean operator, and truth tables using tools expressing design such as a flowchart.

### AP Computer Science A (# 2180AP)



1.00 Credit (Weighted)

Semester – Daily

Offered Grades: 11, 12

Prerequisites: Successful completion of Computer Programming

#### Course Description:

The AP Computer Science A course is an introductory course in computer science. The major theme of the course is problem solving. Students will learn how to design, implement, and analyze program. They will use the Java programming language to develop solutions to problems.

Fee(s): Exam → Students are responsible for ½ the cost of the AP Exam.

### PUBLICATIONS / MEDIA

#### KGSH / TV Production (# 9251, 9252)

1.00 Credit

Semester – Daily

Offered Grades: 10, 11, 12

Prerequisites: Application Required

#### Course Description:

Students will learn television production through planning, preparing and broadcasting the KGSH morning show. All students will experience both technical production and on-air aspects of video broadcasting. Digital video editing projects will be completed in addition to producing the morning announcements. Students will gain experience-using software such as iMovie, Adobe Photoshop, Keynote, Adobe Premiere and Final Cut Pro. Students will complete activities using video broadcasting hardware such as computers, cameras, lighting and other production equipment.

Students may take this class more than one time for credit; however, additional responsibility is required for subsequent years. Because enrollment is limited, the instructor will interview all students that sign up for KGSH for admittance to the class.

#### Spartanus (# 9300)

1.00 Credit

Semester – Daily

Offered Grades: 10, 11, 12

Prerequisites: Application Required

#### Course Description:

This general elective course offers capable and energetic students the opportunity to produce the high school yearbook. The application and the refinement of skills learned in many academic areas will be employed in the areas of: design, layout, copy and headline writing, photography, word processing, fiscal responsibility, and record keeping. Students will experience first-hand the importance of planning, establishing and maintaining guidelines. Additional time beyond the normal class period may be necessary in order to meet early press deadlines, especially at the start of the year.

Students may take this class for more than one year; however, additional responsibility is required for subsequent years. Because enrollment is limited, students must apply before enrolling in the course. Students will be notified of their selection prior to course enrollment.

**SCIENCE**

Department Facilitator: Ms. Rachel Stern

Course Sequence:

Science	9	10	11	12
Honors	Physics 9 Honors	Chemistry Honors	Biology Honors	Elective
Academic	Principles of Science	Academic Biology*	Academic Chemistry	Elective
Career	Principles of Science	Academic Biology*	Academic Chemistry	Elective

\* = Keystone Exam

- Recommended Electives: Honors – AP Biology; AP Chemistry; AP Physics; AP Environmental; Physics II; Biotechnology; Forensics.
- Recommended Electives: Academic – Biotechnology; Forensics; Form & Function; Physics II.
- Recommended Electives: Career – Form & Function; Food Science; Animal Science; Plant Science; Environmental Science; Vet Science

**Biotechnology (# 0850)**

1.00 Credit

Semester – Daily

Offered Grade: 11, 12

Prerequisite(s): C or higher in Biology and Chemistry

Course Description:

Biotechnology is the study of how technology can assist in studying and manipulating living systems. Students with an interest in scientific research, medicine and genetics will enjoy this course. Topics will include agricultural, medical, forensic and environmental applications of biotechnology. Techniques will include, but are not limited to, genetic engineering, recombinant DNA technology, embryo transfer, gene therapy, genetic sequencing, and bioremediation. Students will learn through discussion, collaboration, hands-on labs and activities. In order to ensure success, a grade of C or better in both biology and chemistry are required.

**Biology (# 1000, 1000H)**

1.00 Credit

Semester – Daily

Offered Grade: 10, 11 (**Required either year dependent upon academic placement**)

Prerequisite(s): Principles of Science or Chemistry

Course Description:

This introductory, inquiry-based biology course builds on the scientific foundations developed in the preceding core science courses in 9<sup>th</sup> and/or 10<sup>th</sup> grade. Students will gain an understanding of the biological sciences that enable them to develop an appreciation of all life forms which make up the world of living things. In-depth study of the basic unit of living things include the biochemistry of cell structure and function, exploration of the role of DNA in controlling cell function, reproduction, differentiation, heredity,

and evolution. Students will be exposed to advanced technologies such as digital microscopy, DNA testing as well as modeling of molecular reaction and also traditional laboratory techniques and procedures.

1000 – Academic Biology

1000H – Biology Honors

### Keystone Science (# 1000PBA)

1.00 Credit

Semester – Daily

Offered Grades: 11, 12

Prerequisites: None

#### Course Description:

Students who have not demonstrated proficiency on the Biology Keystone Exam after the required attempts are mandated by PDE to participate in a project-based assessment as an alternative path to meet the Keystone graduation proficiency requirement. This course is structured as an online assessment from PDE for individual completion of a series of tasks and learning experiences which culminate in a final project in the area of Biology. Each project is broken into manageable tasks. The teacher will provide eligible content materials and instruction time before each task. A task may have one or two activities within it. At the end of each task, there is a checkpoint. When a task is completed, the student submits the task to the teacher electronically. If the teacher deems the work satisfactory, the student may move forward on the project. If the work is unsatisfactory, the teacher provides remediation, so the student can redo the activity and resubmit. For seniors, projects must be submitted no later than January 15th of the senior year. This will allow for resubmission if the project is deemed unsatisfactory.

### Advanced Biology (# 1050)

1.00 Credit

Semester – Daily

Offered Grade: 11, 12 **[NOT OFFERED]**

Prerequisite(s): A grade of C or higher in Academic Biology. Successful completion of core science curriculum: Chemistry and Biology.

#### Course Description:

Advanced Biology is intended to provide the student with a more in-depth look at biological principles, which govern the functions of all organisms. This course is intended for both college-bound students who intend to further their study in a biology-related field, and non-college-bound students who have a genuine interest in the subject area. This class will explore topics from 11th grade biology in more depth (including cells, cellular division/energy/transport, DNA, evolution and genetics), and build upon those topics when learning about biotechnology, forensics, the kingdoms, and environmental science. Much of the course will be lab and project-based.

### AP Biology (# 1062)

1.00 Credits (Weighted)

Fall Semester – Daily

Offered Grade: 11, 12

Prerequisite(s): A grade of A or B in Academic Chemistry and Academic Biology.

#### Course Description:

The AP Biology course is designed to be the equivalent of a college introductory biology course usually taken by biology majors during their first year of study. Motivated students will learn in this challenging college-level course not only the scientific background required for a biology course but will also develop important study and time management skills necessary to become a confident and independent learner. This course is intended for those students who are willing to work independently to succeed in this fast paced course.

The two main goals of AP Biology are to help students develop a conceptual framework for modern biology and to help students gain an appreciation of science as a process. AP Biology is strongly recommended for any student intending to pursue biology major in college or a medical-related career (pre-med). Units are determined by the College Board and include molecules and cells, genetics, biotechnology, evolution, populations, human physiology, and ecology. There are several laboratories designed by the AP biology committee for this course. Additional laboratories may be conducted if appropriate.

Fee(s): Exam – Students are responsible for ½ the cost of the AP Exam.  
Lab Notebook – \$10

### Forensics (# 1080)

1.00 Credit

Semester – Daily

Offered Grades: 11, 12

Prerequisite(s): B or higher in Chemistry, Biology, or Anatomy & Physiology

#### Course Description:

Forensic science is a science elective course rich in exploration and lab investigation. This course applies multiple disciplines of scientific study including but not limited to biology, anatomy, chemistry, and physics with an emphasis in critical thinking and complex reasoning. With addition to the science disciplines, students will incorporate the use of technology, communication skills, and mathematics. Students enrolled in this course will study the interrelationships between all scientific areas, applying historical and current events within the community, country, and world in each class lesson and laboratory.

### Form and Function of Life (# 1150)

1.00 Credit

Semester – Daily

Offered Grades: 11, 12

Prerequisite(s): C or better in core science courses: Chemistry and Biology.

#### Course Description:

Want to learn more about the living things around you? See what bacteria make you sick? Where do you find bacteria? What about athlete's foot? How are plants and animals used to solve crimes? What about foreign invader species, what are they doing in your community? This course takes an in-depth look into the tree of life. Groups of focus include bacteria, fungi, plants, insects and other invertebrates, amphibians, reptiles, birds and mammals. The major groups of living organisms will be explored, including how they are identified and classified, how organisms are structured, how they work, and what they have to do with your life! The instructional methods will vary and include group-based activities and laboratory investigations including numerous dissections. Students will use modern comparative technologies to discover modern day relationships among living things.

### Chemistry (# 1200, 1200H)

1.00 Credit

Semester – Daily

Offered Grade: 10 or 11

Prerequisite(s): Physics 9 or Biology

#### Course Description:

This introductory, inquiry-based chemistry course is designed to provide students with a solid foundation of chemical principles that will allow students to gain a deeper understanding of the nature of science and their future studies of biology. Students will study the areas of atomic structure, chemical nomenclature, chemical reactions and stoichiometry, energy effects, density, molar conversions, and gas laws. This

course is based on the foundations developed in the Physics 9 course. Instruction is rigorous and based on frequent laboratory work and dialogue among students and teacher.

1200 – Academic Chemistry  
1200H – Chemistry Honors

### Principles of Science (# 1225)

1.00 Credit

Semester – Daily



Offered Grade: 9

Prerequisite(s): None

#### Course Description:

This first year science course will serve as a foundation for first year students to understand the nature of science and scientific thinking. Students will explore principles in physics, chemistry and biology that exist in the world that surrounds them. Topics will include the basics of measurement, matter, atomic interactions, energy, and ecology. These topics will be introduced to students through hands-on activities and scientific questioning, as well as data collection and analysis to develop scientific models that will deepen understanding of science concepts. This course will prepare students for the rigorous Science, Technology, Engineering, and Mathematics (STEM) curricula they will face in the future.

### AP Chemistry (# 1252)

1.00 Credit (Weighted)

Fall Semester – Daily



Offered Grade: 11, 12

Prerequisite(s): B or higher in Chemistry and Biology

#### Course Description:

The Advanced Placement Chemistry course is designed to be the equivalent of the General Chemistry course usually taken during the first year in college. Students will attain an in-depth understanding of foundations of chemistry and competency in dealing with chemical problem-solving. The study of AP Chemistry is strongly recommended to highly motivated students who plan on a future career in chemistry or medical-related fields (pre-med). Students planning on taking this course should exhibit the strong study and time management skills necessary to succeed in this fast paced course. The units covered in this course are determined by the College Board.

Fee(s): \$12 → *Chemical Equations Resource Book*

*Exam → Students are responsible for ½ the cost of the AP Exam*

### Organic Chemistry (# 1280)

1.00 Credit

Semester – Daily



Offered Grade: 11, 12

Prerequisite(s): > C in Biology and Chemistry

#### Course Description:

Organic Chemistry is designed for those students who are considering Careers in Science, Medicine, Health, and other health related fields. By the end of this course the student will be prepared for entry level Organic Chemistry. During this course, we will learn about the many complex carbon-based reactions and how to classify them. We will also experience many chemical reactions in the lab. If you love lab and want to know more about reactions this is the course for you.



## AP Environmental Science (# 1500AP)



1.00 Credit (Weighted)

Semester – Daily

Offered Grades: 11, 12

Prerequisite(s): Successful completion of Biology and Chemistry

### Course Description:

The AP Environmental Science course is designed to be the equivalent of a one-semester, introductory college course. This course will cover various environmental topics and include a lab component along with the studying of environmental issues from a sociological or political view versus a scientific view. This course will provide students with the knowledge necessary to understand the interrelationships of the natural world, identify environmental problems and evaluate their risks and solutions.

### Fee(s):

*AP Exam – Students are responsible for ½ the cost of the AP Exam.*

*\$15 – Laboratory Notebook*

## Physics 9 (# 1650, 1650H)



1.00 Credit

Semester – Daily

Offered Grade: 9

Prerequisite(s): None

### Course Description:

This physics course is the first science course for students at the high school level. Students will gain an introduction into the areas of physics such as mechanics, waves, sound, optics, electricity, and magnetism. Students will design experiments relating every-day experiences to physical and scientific principles and concepts and discover the laws of physics that govern our world. This first year science course will develop an important foundation for students' understanding of the nature of science and scientific thinking. Students will develop analytical and mathematical reasoning skills through Socratic dialogue, advanced, up-to-date technology integration and application of physics concepts during frequent laboratory investigations.

This first year physics course will develop the basis for an understanding of chemical and biological principles and processes and allow students to develop a deeper understanding of their scientific study in the future.

## Physics II (# 1710)



1.00 Credit

Semester – Daily

Offered Grade: 11 – 12

Prerequisite(s): Algebra II (Grade C or better)

### Course Description:

This course is intended for college-bound students wanting to major in any science or math related field such as engineering, computer science, or medicine OR wanting a second Physics credit on their transcript. The course content explores topics not discussed in Physics 9, which includes but is not limited to: waves, sound, optics, electricity, and magnetism. Additional topics may include discussion on lasers, alternative energy, solar energy, wind power, etc. Laboratory work is an important part of the course and includes the use of technology for data collection and analysis through interfacing devices as well as simulations.

## AP Physics (# 1802)

2.00 Credit (Weighted)

Full Year – Daily



Offered Grade: 11, 12

Prerequisite(S): Successful completion or concurrent enrollment in Calculus or AP Calculus

### Course Description:

The Advanced Placement Physics course is intended for students with an interest in a career in engineering, science, or the medical field (pre-med). This course can lead to the opportunity to pursue and receive credit for college-level work by successfully taking the Advanced Placement Exam in Physics at the end of the course. The AP Physics course covers topics in mechanics determined by the College Board in the areas of Kinematics, Dynamics, Energy, Momentum, Rotational Motion and Periodic Motion. Students in this course will develop analytical and mathematical reasoning skills through Socratic dialogue, advanced up-to-date technology integration and application of physics concepts during frequent laboratory investigations. Students planning on taking this course should exhibit the strong study and time management skills necessary to succeed in this fast-paced course.

*Fee(s): Exam → Students are responsible for ½ the cost of the AP Exam.*

## SOCIAL STUDIES

Department Facilitator: Laura Schneider

### Course Sequence:

Social Studies	9	10	11	12
Honors	American History 9 Honors	AP World History World History 10 Honors	Keystone Civics & Government Honors AP US Government & Politics	Elective
Academic	American History 9	World History 10	Keystone Civics & Government	Elective
Career	American History 9	World History 10	Keystone Civics & Government	Elective

## Keystone American History 9 (# 4000, 4000H)

1.00 Credit

Semester – Daily



Offered Grades: 9

Prerequisites: None

### Course Description:

This course is a survey of American History from 1920 to present. Examinations of how individuals, ideas, geography, technology, and economics have interacted to shape our country and culture are explored. All students will learn the core curriculum, which supports and addresses the academic standards in American History.

4000 – Keystone American History 9

4000H – Keystone American History 9 Honors

## AP US History (# 4020)



1.00 Credit (Weighted)  
Offered Grades: 11, 12  
Prerequisites: Instructor Approval

Semester (Fall) – Daily

### Course Description:

The Advanced Placement American History course is organized to provide students with the analytic skills and basic knowledge required to deal critically with the scope and content of this nation's past. This course will prepare the students for intermediate and advanced college courses by making demands upon them equivalent to those of a full year introductory course. Students will learn to assess historical materials – their relevance to a given problem, their validity, and their importance. Participating colleges will grant college credit and appropriate placement or one of these to students who score well in the standardized examination.

Fee(s): Exam → Students are responsible for ½ the cost of the AP Exam.

## Economics (# 4150)

1.00 Credit  
Offered Grades: 11, 12  
Prerequisites: None

Semester – Daily

### Course Description:

This course is designed to help students understand the major concepts and lessons of economics. Common Sense Economics will focus on how choices are influenced by changes in incentives, how the market economy works, and the concepts of competition and prosperity. In addition to these key economic topics, we will discuss the connection between the political process and economic issues. Common Sense Economics is a course for students who are interested in the basic principles of economics and the how countries and individuals are impacted by economic decisions.

## American Military History (# 4XXX)



1.00 Credit  
Offered Grades: 10, 11, 12  
Prerequisites: None

Semester – Daily

### Course Description:

This is a survey course of American engagement in military conflict. Beginning with the French and Indian War and continuing through modern conflicts, common threads have immersed the US into periods of military involvement. The course will examine contributing issues and foreign policy decisions that led to war, tactics/strategies have been used in battle, and the impact of conflicts on soldiers and citizens. Students will examine the role that technology, morality, politics, religion and economics play in shaping military engagements.

## Western Civilization (# 4260 & 4260DE)



1.00 Credit (GSHS)

Semester – Daily

3.00 Credits (University of Pittsburgh – Dual Enrollment)

Offered Grades: 11, 12

Prerequisites: Ability and desire to do college-level work. Student must place eligible on University of Pittsburgh placement test in order to take for college credit.

### Course Description:

This is a college course offered at Garden Spot High School during regular school hours. Students are not required to sign up with the University of Pittsburgh; however, **all curriculum, projects, and all other requirements are at the college level.** A dual enrollment course detailing the growth of civilization in Western and Eastern Europe after the Reformation to the present day; detailing the changes to the social, political and cultural history that has transformed modern society. Students will need to receive approval through the HAAC application process.

Again, this course is offered through the University of Pittsburgh. Students will need to complete an application. Students will receive 3 college credits after successfully completing the course. These fees are a fraction of the cost of normal tuition. These credits are transferable to many Pennsylvania colleges and universities.

Fee(s): Tuition fee → Students are responsible for tuition fees.

Text → Students are responsible for any text cost.

## AP Psychology (# 4350)



1.00 Credit (Weighted)

Semester – Daily

Offered Grades: 11 – 12

Prerequisites: None

### Course Description:

Taught on a college level, AP Psychology will introduce the systematic and scientific study of the behavior and mental processes of human beings and other animals. Included is a consideration of the psychological facts, principles, and phenomena associated with each of the major subfields within psychology: Perception and Consciousness, Thinking and Feeling, Development, Testing, Personality, and Abnormal/Social Psychology. Students also learn about the ethics and methods psychologists use in their science and practice. Students are encouraged to earn college credit and possible advancement by demonstrating their competence on the AP exams. The completion of a summer reading list and accompanying assignments may be required by the first day of school. Note: GSHS currently offers a combined Psychology/Sociology class.

Fee(s): Exam → Students are responsible for ½ the cost of the AP Exam.

## Psychology / Sociology (# 4370)



1.00 Credit

Semester – Daily

Offered Grades: 11 – 12

Prerequisites: None

### Course Description:

Why do I excel at art and not math? What is the best way for me to study for a test? What influences why we act the way we do? Why do American youth look for acceptance from their peers? What would happen to a person if wolves raised him or her? The combined psychology and sociology course is designed to answer these and many other questions. The psychology portion will introduce students to concepts of intelligence, learning, consciousness, perception and abnormal psychology. The sociology portion of class

will focus on a number of exciting issues facing society today, such as culture, social structure, families and social wrongs. The purpose of this class is to give students a broad base in these areas and stimulate an interest in students to continue an individualized study of a variety of human behaviors.

### **World Religions (# 4400)**

1.00 Credit

Semester – Daily



Offered Grades: 10, 11, 12

Prerequisites: None

#### Course Description:

As an introduction, questions of orientation will predominate: How might one approach the religious phenomenon today? What is religion and how is it manifested? How does religion relate to life? If Muslims, Jews, and Christians all share the same origins and value some of the same scriptures, what makes them so distinctive? How has religion effected government, worldviews, and conflicts? Such concerns have impressed upon many the need to look for common themes in religious traditions.

Having a solid understanding of the various spiritual beliefs and practices in our world facilitates interpretation of various viewpoints and worldviews. This course will focus primarily on the histories and beliefs found within the world's three major religions: Christianity, Islam, and Judaism. The Western world in particular, was an is dramatically affected by the belief and philosophies of what we understand as the Hebrew and Christian scriptures. Examination of this influence will be discussed as it relates to government, law, and cultural norms. Other belief systems such as Hinduism, Buddhism, Sikhism, and Shinto will also be explored. Our objective will be to investigate world religions with a view to their common manifestations (ritual, devotion, shamanism, ethics, etc.).

### **Contemporary Global Issues (# 4430)**

1.00 Credit

Semester – Daily



Offered Grades: 10, 11, 12

Prerequisites: None

#### Course Description:

Where does terrorism come from? Why are so many products in my home made in China? Why is genocide still happening today? Contemporary Global Issues will provide students with opportunities to interact with these questions and other worldwide issues through a variety of experiences. Our world is increasingly connected through communication, technology, trade, conflicts, and immigration. This course will help student examine the historical nature and current realities of issues that directly or indirectly affect our lives. The nature of the course will include the following formats:

1. Research, debates and discussions on current global issues such as Human Rights, Trade, Immigration, Terrorism, Illegal Drug Traffic and Poverty.
2. United Nation simulations that include differing points of view from participating countries.
3. Examination of media, government, and non-governmental groups and their influence in shaping issues and responses.
4. Formation of possible solutions or responses to complex issues.

## Keystone World History 10 (# 4500, 4500H)

1.00 Credit  
Offered Grades: 10  
Prerequisites: None

Semester – Daily



### Course Description:

The modern world is experiencing many tough problems and issues: terrorism, rogue states, genocide, religious and political conflict, and economic instability, but we are still tempered by a sense of hope for tomorrow. Did you ever wonder how our world got to this point? World History 10 examines history from the Renaissance to modern day and explores the various paths that brought us to today's world. This course will discuss significant world events with the hope of developing a deeper understanding of our current world.

*AP World History (# 4450) can be taken as an alternative to Keystone World History 10, which is required of all 10<sup>th</sup> grade students.*

## AP World History (# 4450)

2.00 Credit (Weighted)  
Offered Grades: 10, 11, 12  
Prerequisites: None

Full Year – Daily



### Course Description:

AP World History is designed to be the equivalent of a two-semester introductory college or university world history course. In AP World History students investigate significant events, individuals, developments, and processes in six historical periods from approximately 8000 B.C.E. to the present. Students develop and use the same skills, practices, and methods employed by historians: analyzing primary and secondary sources; developing historical arguments; making historical comparisons; and utilizing reasoning about contextualization, causation, and continuity and change over time. The course provides five themes that students explore throughout the course in order to make connections among historical developments in different times and places: interaction between humans and the environment; development and interaction of cultures; state building, expansion, and conflict; creation, expansion, and interaction of economic systems; and development and transformation of social structures.

*AP World History can be taken as an alternative to Keystone World History 10 (# 4500 or # 4500H), which is required of all 10<sup>th</sup> grade students.*

Fee(s): Exam → Students are responsible for ½ the cost of the AP Exam.

## AP Art History (# 5700)

1.00 Credit (Weighted)  
Offered Grades: 11, 12  
Prerequisites: None

Semester – Daily

### Course Description:

AP Art History welcomes students into the global art world as active participants, engaging with its forms and content as they analyze, discuss, create and write about art, artists, art making, and responses to and interpretations of art. The power of engaging in art history is that it can be a mirror to see ourselves in different ways, while fostering a mindset that opens up the imagination. The study of art invites students to discover the diversity in and connections among forms of artistic expression throughout history and from around the globe. Students learn about how people have responded to and communicated their experiences through art making by exploring art in its historic and cultural contexts. AP Art History is the equivalent to an introductory college art history course, focusing on the development of skills in visual,

contextual, and comparative analysis of historical works of art. There is no prerequisite for this course. Any motivated student that has an interest in art, history, and global culture may take this Advanced Placement course.

Fee(s): Exam → Students are responsible for ½ the cost of the AP Exam.

### Keystone Civics & Government (# 4610, 4610H)

1.00 Credit

Semester – Daily

Offered Grades: 11

Prerequisites: None

#### Course Description:

This course is a study of Government from the United States perspective. Examinations of the need and functions of government, roles of the branches of government, public policy, and civic participation will be conducted. All students will learn the core curriculum which supports and addresses the academic standards for Civics and Government and will be prepared to complete the keystone exam for this subject area.

4610 – Keystone Civics & Government

4610H – Keystone Civics & Government Honors

### AP US Government & Politics (# 4625)

1.00 Credit (Weighted)

Semester – Daily

Offered Grades: 11, 12

Prerequisites: World History 10 Honors or AP World History

#### Course Description:

The Advanced Placement Government Course is designed to give students an analytical perspective on government and politics in the United States. This course includes both the study of general concepts used to interpret U.S. government and politics and the analysis of specific concepts. It also requires some familiarity with the various institutions, groups, beliefs and ideas that constitute U.S. government and politics.

*AP US Government & Politics can be taken as an alternative to Keystone Civics & Government (# 4610 or # 4610H), which is required of all 11<sup>th</sup> grade students. It can also be taken during 12<sup>th</sup> grade.*

Fee(s): Exam → Students are responsible for ½ the cost of the AP Exam.

### Political Geography (# 4620)

0.25 Credit

Quarter – 5 days / cycle

Offered Grades: 10 **[Not Offered]**

Prerequisites: None

#### Course Description:

Technology has significantly changed transportation, trade, and the exchange of ideas between countries. These changes continue to challenge countries on various issues leading to cooperation and conflict. It is important for informed citizens to understand the role geography plays in a world where countries rely on one another for natural resources, trade/markets, and security. This class will focus on these and other current issues with the goal of becoming aware of the interconnectedness of nation-states around the world.

## SPECIAL SERVICES

Department Facilitator: Mr. John Robbins

### **Foundations of Literacy (#3011)**

1.00 Credit

Semester – Daily

Offered Grades: 9, 10, 11, 12

Prerequisites: None

Course Description:

Students with disabilities who require specially designed instruction in reading and/or written expression, may meet the criteria for this course as determined by their IEP team. Students are provided instruction in reading decoding, reading comprehension, reading fluency and written expression. In this class, each student will work towards their individualized IEP goals. Instruction will be in small groups, based on student need.

### **Foundations of Math (#7011)**

1.00 Credit

Semester – Daily

Offered Grades: 9, 10, 11, 12

Prerequisites: None

Course Description:

Students with disabilities who require specially designed instruction in reading and/or written expression, may meet the criteria for this course as determined by their IEP team. Students are provided instruction in reading decoding, reading comprehension, reading fluency and written expression. In this class, each student will work towards their individualized IEP goals. Instruction will be in small groups, based on student need.

### **Autistic Support**

Credit – Varies

Per IEP

Offered Grades: 9, 10, 11, 12

Prerequisites: Multidisciplinary Evaluation, IEP, and NOREP

Program Description:

Students in the Autistic Support (AS) program receive instruction based on the principles of Verbal Behavior. These students have instruction that emphasizes individual needs related to functional communication and functional academics as determined by the IEP team. Services may include job training, community based instruction, and collaboration with community agencies.

*All services are provided as mandated by IDEA '04, PA Chapter 14 and other applicable laws.*



## Emotional Support

Credit – Varies

Per IEP

Offered Grades: 9, 10, 11, 12

Prerequisites: Multidisciplinary Evaluation, IEP, and NOREP

### Program Description:

Students with disabilities who need specially designed instruction (SDI) may receive instruction in the emotional support (ES) environment as determined by their IEP team. Students are provided with instruction in Language Arts, Mathematics, Social Studies, Science, and Transition/Daily Living Skills as defined by their IEP. In addition, each student receives transition services designed to prepare him/her for life after high school graduation. These services may include job training, community based instruction, collaboration with community agencies and assistance in accessing higher education opportunities.

*All services are provided as mandated in IDEA 04, PA Chapter 14, and other applicable laws.*

### **L.A. Language Arts (# 9370, 9374, 9377)**

1.00 Credit / Semester

Semester – Daily

Offered Grades: 9, 10, 11, 12

Prerequisites: IEP Team Recommendation only

### Course Description:

This course is designed to teach Language Arts in a small group setting based on student's needs as identified in their IEP. The primary emphasis of this course is to develop Reading and Writing skills to prepare students for state assessments and also address basic skills.

9370 – Specialized Academics

9374 – Specialized Academics – S1 (Fall)

9377 – Specialized Academics – S2 (Spring)

### **Specialized Transition (# 9884)**

1.00 Credit / Semester

Semester – Daily

Offered Grades: 9, 10, 11, 12

Prerequisites: IEP Team Recommendation only

### Course Description:

This course is designed to develop social skills in the school community and work place, develop a career portfolio (which may include graduation project), and to enhance skills needed to meet individual outcomes for post-secondary training, employment, and independent living skills.

## Learning Support

Credit – Varies

Per IEP

Offered Grades: 9, 10, 11, 12

Prerequisites: Multidisciplinary Evaluation, IEP, NOREP

### Program Description:

Students with disabilities who need specially designed instruction may receive specially designed instruction as determined by their IEP team. In addition, each student receives transition services designed to prepare him/her for life after high school graduation. These services may include job training, community based instruction, collaboration with community agencies and assistance in accessing higher education opportunities.

All services are provided as mandated in IDEA '04, PA Chapter 14, and other applicable laws.

### **Life Skills Support**

Credit – Varies

Per IEP

Offered Grades: 9, 10, 11, 12

Prerequisites: Multidisciplinary Evaluation, IEP, NOREP

#### **Program Description:**

Students with disabilities who need specially designed instruction may receive instruction in the Life Skills Support (LSS) environment as determined by their IEP team. Students are provided instruction in functional Reading and Written Expression, functional Math, Science, Vocational Skills and Daily Living Skills. In addition, each student receives transition services designed to prepare him/her for life after high school graduation. These services may include job training, community based instruction, and collaboration with community agencies.

All services are provided as mandated by IDEA '04, PA Chapter 14 and other applicable laws.

### **LSS Functional Academics (# 9106)**

1.00 Credit / Semester

Semester – Daily

Offered Grades: 9, 10, 11, 12

Prerequisites: Teacher recommendation only

#### **Course Description:**

This course is designed to teach functional basic Reading, Writing, and Math.

### **LSS Daily Living Skills (# 9117)**

1.00 Credit / Semester

Full Year – Daily

Offered Grades: 9, 10, 11, 12

Prerequisites: Teacher recommendation only

#### **Course Description:**

This course is designed to develop skills in independent or supported living. The primary emphasis of this course is on meal planning, budgeting purchasing and preparation, cleaning, laundry social skills and other functional independent living skills.

### **LSS Vocational (# 9127)**

1.00 Credit / Semester

Full Year – Daily

Offered Grades: 9, 10, 11, 12

Prerequisites: Teacher recommendation only

#### **Course Description:**

This course is designed to teach vocational skills. The primary emphasis is on developing independent work habits to increase employability.

### **LAM Physical Education (# 9748)**

0.25 Credit / Semester

Semester – 5 Days / Cycle

Offered Grades: 9, 10, 11, 12

Prerequisites: IEP Team recommendation only

#### Course Description:

This course is designed to promote health and fitness habits through physical activity. The primary emphasis of this course is on developing skills for leisure time activities and to promote life-long healthy habits.

### **LAM Music (# 9747)**

0.25 Credit / Semester

Semester – 5 Days / Cycle

Offered Grades: 9, 10, 11, 12

Prerequisites: IEP Team recommendation only

#### Course Description:

This course is designed to promote an appreciation for music. The primary emphasis of this course is on developing skills for leisure time activities and to promote life-long enjoyment of the arts.

### **LAM Art (# 9742)**

0.25 Credit / Semester

Semester – 5 Days / Cycle

Offered Grades: 9, 10, 11, 12

Prerequisites: IEP Team recommendation only

#### Course Description:

This course is designed to promote an appreciation for art. The primary emphasis of this course is on developing skills for leisure time activities and to promote life-long enjoyment of the arts.

### **LAM Communications (# 9749)**

0.25 Credit / Semester

Semester – 5 Days / Cycle

Offered Grades: 9, 10, 11, 12

Prerequisites: IEP Team recommendation only

#### Course Description:

This course is designed to develop communication and life skills including those needed in the community for employment and for leisure.

### **Multiple Disabilities Support**

Credit - Varies

Per IEP

Offered Grades: 9, 10, 11, 12

Prerequisites: Multidisciplinary Evaluation, IEP, NOREP

#### Program Description:

Students with multiple disabilities will receive instruction in the Multiple Disabilities Support (MDS) classroom as determined by their IEP team. Students are provided with therapies and nursing services as needed, as well as instruction to focus on their individualized goals.

*All services are provided as mandated by IDEA '04, PA Chapter 14 and other applicable laws.*

### **Work-Based Learning**

Credit - Varies

Per IEP

Offered Grades: 11, 12

Prerequisites: Multidisciplinary Evaluation, IEP, NOREP

#### Program Description:

Students with disabilities who need specially designed instruction may receive instruction in the Work-Based Learning (WBL) environment and in the community as determined by their IEP team. Students are provided instruction in functional academics, vocational skills, and daily living skills. In this program, each student will work towards their own individual post-secondary education, employment, and independent living goals designed to prepare him/her for life after high school graduation. This program has a strong emphasis on job training services, community based instruction, and collaboration with community agencies.

*All services are provided as mandated by IDEA '04, PA Chapter 14 and other applicable laws.*

### **Specialized Academics – WBL Fall (# 9385)**

1.00 Credit

Semester – Daily

Offered Grades: 11, 12

Prerequisites: Multidisciplinary Evaluation, IEP, NOREP

### **Specialized Academics – WBL Spring (# 9386)**

1.00 Credit

Semester – Daily

Offered Grades: 11, 12

Prerequisites: Multidisciplinary Evaluation, IEP, NOREP

### **WBL – Fall (# 9500)**

1.00 Credits

Semester – Daily

Offered Grades: 11, 12

Prerequisites: Multidisciplinary Evaluation, IEP, NOREP

**WBL – Spring (# 9505)**

1.00 Credits

Semester – Daily

Offered Grades: 11, 12

Prerequisites: Multidisciplinary Evaluation, IEP, NOREP

**TECHNOLOGY EDUCATION**

Department Facilitator: Mr. Mark Kaufman

**System Control & Applied Technology (# 2500)**

1.00 Credit

Semester – Daily

Offered Grades: 10, 11, 12

Prerequisites: None

Course Description:

This course will provide students with the opportunities to develop hands-on, problem-solving skills through the use of several current technologies. The course will begin with a brief introduction to developing an understanding of basic electrical and electronic concepts. It will then move on to the utilization of complex electronic technology. The class will include the following units: Radio-controlled devices – Robotics Global Positioning Systems (GPS).

The activities in this class will utilize the practical application of math and science concepts. Some of the activities will be acquired from the TSA (Technology Student Association) competitive events guide. During the final culminating activity for this class students will work as part of a team to demonstrate knowledge of mechanical and energy systems by designing, fabricating, and controlling a radio-controlled vehicle that collects and distributes a load during a five-minute demonstration. Evaluation will be based on performance, vehicle craftsmanship, and documentation of design efforts.

Fee(s): *Materials* → Students are required to pay for all materials used in class.

**Engineering & Problem Solving (# 2600)**

1.00 Credit

Semester – Daily

Offered Grades: 10, 11, 12

Prerequisites: None

Course Description:

This course is designed to expose students to various Engineering and Problem Solving activities. This is a hands-on, activity-based course in which students will be engaged in applying the practices of various engineering fields. Students will be working together to develop solutions for engineering design competitions. Some of the activities will be acquired from the TSA (Technology Student Association) competitive events guide. The final culminating activity for this class will be the design and fabrication of a human-powered vehicle that the students will race on a one-mile course.

Fee(s): *Materials* → Students are responsible for the cost of materials used within class.

### **Graphic Communications (# 2680)**

1.00 Credit

Semester – Daily

Offered Grades: 9, 10, 11, 12

Prerequisites: None

Course Description:

In this course students will gain experience using the computer, tools, machines, materials and processes in the Graphic Communications Laboratory. Students will gain an understanding of the aesthetics of design as it relates to graphic and electronic production. Some of the areas covered in this course are desktop publishing, website design, digital video editing, screen-printing, advertising design, and offset lithography. Through this course students will be exposed to industry standard software including Adobe Illustrator, Adobe In-Design, Adobe Photoshop, Adobe Muse, as well as other software as needed.

Fee(s): *Printing Media* → \$25

### **Graphic Communications 2 (# 2690)**

1.00 Credit

Semester – Daily

Offered Grades: 10, 11, 12

Prerequisites: Successful completion of Graphic Communications.

Course Description:

Builds on the graphic communications course and takes students into more advanced digital techniques. Students will learn advanced skills in design and desktop publishing with specific focus on commercial graphics.

Promotional designs will be designed and exported using our new Roland VersaCMM

Vinyl cutter/printer. From decals, to banners, to t-shirt designs using this professional quality piece of hardware that utilizes their previous design skills learned from this class as well as the basic graphic communications class and Adobe Illustrator and Photoshop mastery.

Advanced website design using Adobe Dreamweaver. Students will create dynamic multipage websites that contain animation and other multimedia data.

Video game design using Game Maker program. Students will learn the video game engines of Gamemaker program be able to design their own unique, 100% functioning video game. This also aligns with the Technology Students Association's competition category of Video Game Design.

Fee(s): *Printing Media* → \$25

### **Computer Aided Design & Prototyping (# 2720)**

1.00 Credit

Semester – Daily

Offered Grades: 9, 10, 11, 12

Prerequisites: None

Course Description:

This course is designed for students interested in an engineering or architectural field. The problem-solving process will be used to design, draw, and build solutions to stated problems. Students will work both

individually as well as in small teams to analyze design challenges and develop solutions. This course will include experiences in technical sketching, computer aided drafting and design (CADD) software, 3D printing, engineering drawing, and architectural drawing.

### **Digital Photography (# 2785)**

1.00 Credit

Semester – Daily

Offered Grades: 9, 10, 11, 12

Prerequisites: None

#### Course Description:

This course will provide students with the opportunities to develop hands-on, problem-solving, skills in the area of digital photography. This course will explore the various types of digital cameras and their features. By utilizing various hands-on activities the students will learn how to compose quality photography, manipulate images using a computer and “Photoshop” software, create a digital portfolio, and explore various means of printing and final product. This course will help students to develop technical skills as well as a creative eye.

*Students should have access to a digital camera to do assignments outside of class. The camera should be able to shoot in manual, shutter priority, and aperture priority modes.*

Fee(s): *Materials → Students are required to pay for all materials used in class (\$30 minimum).*

### **Digital Photography II (# 2810)**

1.00 Credit

Semester – Daily

Offered Grades: 11, 12

Prerequisites: Successful completion (i.e. >80%) in Digital Photography and approval from instructor; Open Campus.

**Class size (cap limit):** 16 students max

#### Course Description:

Students will gain further understanding of a digital camera. Students will gain hands on experience in the techniques of digital photography, computer manipulation with the use of Adobe Photoshop and will produce prints of their own composition. Students will explore various image editing software outside of Adobe Photoshop. This course will be expanding off concepts not taught in the first level Photography course. A DSLR camera is recommended for this class.

NOTE: Students must have open campus privileges and /or a means of transportation to leave school premises during class time. Students may also ride with other students with written permission from a parent or guardian.

Fee(s): *Students are required to pay for all materials used in class (\$30 minimum).*

### Woodworking (# 2910)

1.00 Credit  
Offered Grades: 9, 10, 11, 12  
Prerequisites: None

Semester – Daily

Course Description:

This is an introductory course that is designed to develop fundamental Woodworking skills. Students will meet this objective by completing an heirloom quality nightstand that has raised-panel doors and a dovetailed drawer. The following areas of woodworking will be covered: measurement, safety, hand tool use, power machine operation, glued panel fabrication, face-frame construction, raised-panel door assembly, drawer construction, assembly, and finishing techniques.

Fee(s): *Materials* → Students are required to pay for all materials used in class (\$90 minimum).

### Wood Seminar (# 2911)

1.00 Credit  
Offered Grades: 10, 11, 12  
Prerequisites: Successful completion of Woodworking (# 2910) with a “B” or higher.

Semester – Daily

Course Description:

This is a second level course that is designed to expand on the skills that were acquired in the introductory Woodworking class. Students will be required to research, design and plan their individual furniture project. This will include scale drawings and sequence sheets. The project shall include the following: panel fabrication, face-frame construction, drawer construction, raised-panel door assembly and finishing techniques. During this class students have also built skin-on-frame kayaks.

Fee(s): *Materials* → Students are required to pay for all materials used in class.

### STEM 9 (# 9200)

0.25 Credit  
Offered Grades: 9 **[NOT OFFERED]**  
Prerequisites: None

Quarter – 5 Days / Cycle

Course Description:

The STEM 9 course will focus on the application of engineering, science, math, and technology skills to solve complex, open-ended problems in a real-world context. Students will focus on the process of defining and solving a problem both individually as well as in small teams. Real-world problems will be posed and students will have the opportunity to formulate a solution, design their product using 3-D software such as Sketchup Pro, and finally test their ideas and make revisions to their designs. Students will possibly use Lego Mindstorm kits to test their ideas and in doing this learn about programming, calculating forces/mechanical advantages, and apply math concepts.



## STEM 10 (# 9225)

0.5 Credit

Quarter-daily

Offered Grades: 10 **REQUIRED**

Prerequisites: None

### Course Description:

The STEM 10 course will focus on the application of engineering, science, math, and technology skills to solve complex, open-ended problems in a real-world context. Students will focus on the process of defining and solving a problem both individually as well as in small teams. Real-world problems will be posed and students will have the opportunity to formulate a solution, design their product, test their ideas and revise their designs. Students will gain experiences in advance technologies including 3D printing and robotics.

## Design Engineering (# 2610)

1.00 Credit

Semester – Daily

Offered Grades: 10, 11, 12

Prerequisites: None

### Course Description:

Design Engineering is a capstone course that focuses on applying the technological design process. Students will work in teams of 4-5 to define a specific engineering problem and design, build, and test a solution to the problem. Students will be required to partner with a local business to refine their design. Each group will receive a \$500 budget for the entire project. At the end of the project, each group will be required to present their design to a panel of 3-4 judges. The winning team may go on to compete in the Governor's STEM Challenge and compete for a \$2,000 scholarship.

## Technology Education Course Selection and Career Guide

In addition to taking required courses for graduation, students planning to pursue a career in various technical fields should take as many of the courses, list below that career. Guidance counselors or members of the Applied Technology department should be consulted about additional occupations or careers not listed.

### Recommended Courses for College or Career Readiness:

#### **Commercial Art and Related Fields**

- Computer Aided Design and Prototyping
- Graphic Communications
- Graphic Communications II
- Digital Photography

#### **Engineering – Mechanical**

- Computer Aided Design and Prototyping
- Design Engineering
- Engineering and Problem Solving
- System Control & Applied Technology
- Wood Technology

#### **Electrical/Computer Engineering, Electronics Technician**

- Design Engineering
- Engineering and Problem Solving
- System Control & Applied Technology

Computer Programming

**Architecture, Interior Design, Landscaping**

Computer Aided Design and Prototyping  
Wood Technology

**Journalism, Communications, Broadcasting**

Graphic Communications  
Graphic Communications II  
Digital Photography  
KGSH/TV Production – Fall  
KGSH/TV Production – Spring  
Journalism

**Photography**

Digital Photography  
Digital Photography II  
Graphic Communications  
Graphic Communications II

**Aviation, Navigation and Space Related Careers**

Design Engineering  
Engineering and Problem Solving  
System Control & Applied Technology

**Industrial Technician/Maintenance**

Engineering and Problem Solving,  
System Control & Applied Technology

**Drafting & Technical Illustrator**

Design Engineering  
Computer Aided Design and Prototyping

**Business Bound Students**

Graphic Communications  
Graphic Communications II  
Digital Photography  
Digital Photography II

**Recommended Courses for senior-bound Career & Technology Center Students:**

**Diesel/Auto Mechanics, Small Engine/Recreational Vehicle Repair**

System Control & Applied Technology  
Engineering and Problem Solving  
Design Engineering

**Electronics, Electrical Occupations, Industrial Automation, Appliance Repair**

System Control & Applied Technology  
Engineering Problem Solving  
Design Engineering

**Carpentry, Maintenance, Millwork, Cabinetry, Painting/Decorating, Masonry**

Wood Technology  
Wood Seminar

**Light Metal Fabrication, Machine Shop, Welding, Environmental Systems**

Wood Technology  
Wood Seminar  
Engineering and Problem Solving

**Graphic Arts / Commercial Art**

Graphic Communications  
Graphic Communications II  
Digital Photography  
Digital Photography II

**Drafting/Engineering Applications**

Computer Aided Design and Prototyping

**WORLD LANGUAGES**

Department Facilitator: Mr. Matt Hawkins

**German 1 (# 3810)**

1.00 Credit

Semester – Daily

Offered Grades: 9, 10, 11, 12

Prerequisites: None

Course Description:

Students learn to understand, speak, read, and write German on a beginning level. Vocabulary is practical for everyday use. Topics covered include personal information, greetings, describing family members, home life, school, food, sports and hobbies. Classroom communications in German at the level of students' ability is required. Geographical and cultural knowledge of Germany, Austria, and Switzerland is also introduced.

**German 2 (# 3820)**

1.00 Credit

Semester – Daily

Offered Grades: 9, 10, 11, 12

Prerequisites: Successful completion of German 1 with a 70% or higher.

Course Description:

Students practice and expand on practical vocabulary. Topics covered include chores, music, movies, asking for and giving directions, the weather, birthdays, and teenage life in German speaking countries. The past tense is introduced. German is used in instruction and is required for students at their level of ability. In addition, students' knowledge of the history, geography and culture of Germany, Austria, and Switzerland is increased.

### German 3 (# 3830)

1.00 Credit

Semester – Daily



Offered Grades: 10, 11, 12

Prerequisites: Successful completion of German 2 with a 70% or higher.

Course Description:

Students understand, speak, read, and write German at an intermediate level. Students practice and expand their vocabulary. Several new grammatical concepts are covered. Students describe events, give opinions, relate facts, ask questions, write original compositions, and present information in German. Understanding of German culture is also increased. Classroom communication in German within the competency range of the student is required.

### German 4 (# 3840)

1.00 Credit

Semester – Daily



Offered Grades: 11, 12

Prerequisites: Successful completion of German 3 with an 80% or higher.

Course Description:

Students practice and expand on foundational vocabulary and grammatical concepts. Advanced grammatical structures are introduced. Students are given many and varied opportunities to gain confidence and to become more comfortable speaking, reading, writing, and understanding German. Current topics, events, and various German literary selections are utilized. Current relevant media and authentic materials enhance the learning experience. Oral presentations in German are required.

*All communication is in German.*

### German 5 (# 3850)

1.00 Credit

Semester – Daily



Offered Grades: 11, 12

Prerequisites: Successful completion of German 4 with an 80% or higher.

Course Description:

Students continue to practice and expand their communication and comprehension skills. Students practice and expand on foundational vocabulary and advanced grammatical concepts. Current topics, events, and various German literary selections are utilized. Current relevant media and authentic materials enhance the learning experience. Oral presentations in German are required.

*All communication is expected to be in German. This course offering is dependent upon enrollment.*

### Spanish 1 (# 3910)

1.00 Credit

Semester – Daily



Offered Grades: 9, 10, 11, 12

Prerequisites: None

Course Description:

Students learn to understand, speak, read, and write Spanish on a beginning level. Vocabulary is practical for everyday use. Topics covered include personal information, greetings, describing friends & family,

school, favorite activities, and sports & hobbies. Participation in individual and group presentations is required. Classroom communication in Spanish within the competency range of the student is required.

### Spanish 2 (# 3920)

1.00 Credit

Semester – Daily



Offered Grades: 9, 10, 11, 12

Prerequisites: Successful completion of Spanish 1 with a 70% or higher.

#### Course Description:

Students enlarge vocabulary learned in Spanish I, including foods, travel, shopping, etc. Past and future tenses are introduced. Participation in individual and group presentations is required. Classroom communication within the competency range of the student is required.

### Spanish 3 (# 3930)

1.00 Credit

Semester – Daily



Offered Grades: 10, 11, 12

Prerequisites: Successful completion of Spanish 2 with a 70% or higher.

#### Course Description:

Students learn to understand, speak, read, and write Spanish at an intermediate level. Grammar moves to more complex forms. Topics include Latin-American legends/myths, grocery shopping and bargaining, talking about future plans, kitchen utensils/appliances, writing recipes. Participation in individual and group presentations is required. Classroom communication in Spanish within the competency range of the student is required.

### Spanish 4 (# 3940)

1.00 Credit

Semester – Daily



Offered Grades: 11, 12

Prerequisites: Successful completion of Spanish 3 with an 80% or higher.

#### Course Description:

Students continue to improve their listening, speaking, reading and writing skills in preparation for AP Spanish or collegiate study of the Spanish language. All basic and most advanced grammar will be covered in this course. Some literature selections and authentic materials will be used to enhance communication skills and cultural understanding. Topics include: Our identities and Families, Current news, Latino Culture and Entertainment, Challenges Facing the Latinos, Latin-American Art and Literature.

*All communication is in Spanish.*

### AP Spanish (# 3960)

1.00 Credit (Weighted)

Semester – Daily



Offered Grades: 11, 12

Prerequisites: Successful completion of Spanish 4 with an 80% or higher and approval of instructor.

#### Course Description:

This course emphasizes communication by applying interpersonal, interpretive and presentational skills in real-life situations. This includes vocabulary usage, language control, communication strategies, and

cultural awareness. The course is structured around 6 themes: Beauty and Aesthetics, Contemporary life, Families and Communities, Global Challenges, Personal and Public Identities, and Science and Technology.

*This course offering is dependent upon enrollment.*

Fee(s): Exam → Students are responsible for ½ the cost of the AP Exam.

## LANCASTER COUNTY CAREER & TECHNOLOGY CENTER (LCCTC)

### Program Description:

Over forty unique programs of study are available to students through the Lancaster County Career and Technology Centers (LCCTC). Through these programs students can receive specific training in a field of interest and earn required certifications necessary to work in the field. Additionally, many of the programs include dual enrollment courses where students can earn college credit while completing their Mathematics and English courses at the CTC.

Garden Spot High School students participate in ½ day programs as a junior and full day programs as a senior. If you are interested in learning more about the Career and Technology Center programs, see the supplemental Pathways materials on the Course Selection Guide of the website ([www.lcctc.org](http://www.lcctc.org)), or make an appointment with your counselor.

The application process for the CTC typically occurs in December of students' sophomore and junior years. If any rising junior or senior is interested in attending the CTC but has not yet applied, they should contact their counselor immediately to see about any remaining openings. Rising freshman and sophomores should make note of the application timeframe and begin talking with their counselor to ensure they are on track for admission.

### **Full-Day LCCTC (# 8000)**

8.00 Credits

Full Year – Daily

Offered Grades: 12

Prerequisites: Application and acceptance to LCCTC.

### Course Description:

Students who have already applied to the Full-Day programs should select # 8000 during the course selection process while also selecting the CTC PE Contract Course. The high school will enter the student's specific program numbers in the fall when students begin attending. The CTC offers the following full-day programs for our students:

#### **Advanced Manufacturing Center**

Electro-Mechanical Engineering Technology  
Sheet Metal Technology  
Welding Technology

#### **Agri-Science Center**

Large Animal Science  
Veterinary Assistant

#### **Consumer Services Center**

Cosmetology  
Early Childhood Education

#### **Construction Technologies Center**

Architectural CAD – Design

Cabinet Making & Millwork  
Commercial Construction/Management  
Electrical Construction Technology  
HVAC/R  
Masonry  
Painting, Ceramic Tile & Vinyl  
Plumbing  
Residential Carpentry

**Culinary Arts Center**

Baking & Pastry Arts  
Culinary Arts/Chef  
Event Planning & Tourism Services  
Management

**Health Care Center**

Clinical Care Assistant (Hospital)  
Dental Assistant  
Medical Administrative Assistant  
Medical Assistant  
Nursing Assistant/Home Health Aide  
Sports Medicine

**Information Technology Center**

Computer Systems Technology

**Protective Services Academy (at the Lancaster County Public Safety Training Center)**

Programs within the Academy:  
Emergency Medical Services  
Fire Protection  
Law Enforcement, Corrections & Security  
Protective Services

**Transportation Technologies Center**

Automotive Mechanics  
Automotive Technology  
Collision Repair  
Diesel Equipment Technology  
Operation & Maintenance  
RV & Outdoor Power Equipment

**Visual Communications Center**

Commercial Art  
Digital Design/Print Media  
Photography & Digital Imaging

**Half-Day LCCTC (# 8008, 8009)**

4.00 Credits

Offered Grades: 11, 12

Prerequisites: Application and acceptance to LCCTC.

Full Year – Daily

Course Description:

Students who have already applied to the Half-Day programs should select # 8008 (AM) or # 8009 (PM) during the course selection process while also selecting an English, Mathematics, Science, and Social Studies. The high school will enter the student's specific program numbers in the fall when students begin attending. The CTC offers the following half-day programs for our students:

Construction Cluster  
Culinary Cluster  
Health Care Cluster

Manufacturing Cluster  
Transportation Cluster  
Visual Communications Cluster

## Alma Mater

*Hail to our school of blue and gray  
to thee we give our praise.  
Our honor and our loyalty,  
for all our joyous days;  
the friendships that we've made anew,  
Shall never be forgot  
Hail to our Alma Mater  
Hail to Garden Spot!*

*Hail to Garden Spot!*

**Garden Spot High School**  
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