# GARDEN SPOT <br> <br> SECONDARY CAMPUS 

 <br> <br> SECONDARY CAMPUS}


## PROGRAM OF STUDIES

2022-2023

# EASTERN LANCASTER COUNTY SCHOOL DISTRICT 

Mission Statement<br>Empowering learners as global thinkers and producers. EASTERN LANCASTER COUNTY SCHOOL DISTRICT 669 EAST MAIN STREET<br>NEW HOLLAND, PA 17557<br>717-354-1500

Eastern Lancaster County (ELANCO) School District is an equal opportunity education institution and will not discriminate on the basis of race, color, national origin, gender, sexual orientation, or handicap in its activities, programs or employment practices as required by Title VI, Title IX, Section 504, and the Americans with Disabilities Act (ADA).

## FORWARD

This program of studies has been prepared for use by learners and parents/guardians in deciding which courses are best suited to the learners' goals, interests, aptitudes, and abilities. A flexible curriculum has been constructed which permits learners to select courses to meet their individual needs and career aspirations.

Learners' choices may determine their chances for success in future years; therefore, learners are encouraged to select courses with the greatest of care. This endeavor should be thoroughly discussed with parents/guardians. For more information concerning course selection, college admissions requirements, or employment demands, learners and parents/guardians should arrange a consultation with a school counselor.

This guide is approved by the ELANCO School District Board of School Directors; its contents are therefore approved district procedures.

## ACCREDITATION

Garden Spot High School (GSHS) is accredited by the Pennsylvania Department of Education (PDE).


# SECONDARY CAMPUS ADMINISTRATION 

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## Dear Garden Spot Secondary Campus Learners and Families:

The faculty, staff, and administration of the Garden Spot Secondary Campus are committed to ensuring each learner has access to the resources necessary to achieve his or her full potential. In addition, the Garden Spot Secondary Campus is committed to providing personalized learning experiences to foster a culture of inquiry, innovation, and discovery.

For the past few years, ELANCO has focused on how the district can better prepare learners to succeed after they leave the hallways of the secondary campus. This has resulted in minor changes in and out of the classroom, including Garden Spot High School's Portrait of a Graduate and more classrooms using technology to personalize learning. Personalized needs are addressed through a variety of opportunities that promote each learner's academic, social, and emotional development.

Exciting changes are planned for the Secondary Campus over the next few years. Through a guaranteed and viable curriculum, the integration of technology, the 7-9 Academy, and the 10-12 Pathways Program, learners will graduate ready to compete in the global economy.

We believe that personalized learning prepares learners for their future by providing them with voice and choice in their education because we understand that everyone learns at different rates and in different styles. To accommodate this change, GSHS is considering bell schedule changes in the coming years. We also understand that technology challenges the traditional teaching model embraced during the $20^{\text {th }}$ century. Through our learning options (Traditional, Pathways, self-paced, online, work-based, project-based, etc.), seminar courses, and many other offerings, we believe we are blazing a path for a new way of learning. We appreciate your continued support in this endeavor.

Respectfully,


Matthew J. Sanger, Ed.D. Principal


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## Mission Statement of Eastern Lancaster County School District:

Empowering learners as global thinkers and producers.

## 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 is 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 right 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 a variety of stakeholders including faculty, staff, students, parents, and community members. The entire staff of Garden Spot has been instrumental in developing the instructional program. This is a direct indication of their professional dedication and commitment to their students.

## GRADUATION INFORMATION

## ELANCO Graduation Requirements: PLEASE NOTE - GRADUATION REQUIREMENTS ARE CURRENTLY UNDER REVIEW

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

| Subject | $\underline{\text { Credits }}$ |
| :--- | :--- |
| 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 | $\underline{7.5}$ |

28.0 Total Credits


#### Abstract

*Students who have taken Keystone Algebra 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.


## Pennsylvania State Graduation Requirements: Act 158

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NEW)
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In accordance with Pennsylvania's Act 158 of 2018, beginning with the graduating Class of 2023, students must meet statewide graduation requirements in one of five ways.

## Pathway 1: Keystone Proficiency

Students achieving a minimum scaled score of 1500 or better in each of the three Keystone Exams (Algebra I, Biology, and Literature) demonstrate Keystone Proficiency and meet statewide requirements for high school graduation. Out-of-state transfers who have demonstrated proficiency in their prior states' exams for Keystone-associated content may be deemed by the LEA to have met Keystone Proficiency for that content.

Students who do not have a score in all three Keystone Exam areas (e.g., an EL student who did not participate in the Keystone Literature Exam, a student who did not participate in a Keystone Exam for religious reasons) do not qualify for either the Keystone Proficiency or Composite Pathways and must meet graduation requirements under the CTE Concentrator, Alternative Assessment, or Evidence-Based Pathways.

## Pathway 2: Keystone Composite

To qualify for the Keystone Composite Pathway, a student must have taken all three Keystone Exams and must have at least one Keystone Exam score of Proficient or Advanced and no Keystone Exam score of Below Basic.

As approved by the State Board of Education, students also must earn a satisfactory composite score of 4452 or better in aggregate for the three Keystone Exams (Algebra I, Biology, and Literature) in order to fulfill the Keystone Composite requirements and meet statewide requirements for high school graduation.

Performance on other states' exams for Keystone-associated content may not be considered when calculating the Keystone Composite score. Out-of-state transfers may participate in all three Keystone Exams to pursue the Keystone Proficiency or Keystone Composite requirements or they may pursue the CTE Concentrator, Alternative Assessment, or Evidence-Based Pathways.

Students who do not have a score in all three Keystone Exam areas (e.g., an EL student who did not participate in the Keystone Literature Exam, a student who did not participate in a Keystone Exam for religious reasons, a student who did not participate due to COVID-19) do not qualify for either the Keystone Proficiency or Composite Pathways and must meet graduation requirements under the CTE Concentrator, Alternative Assessment, or Evidence-Based Pathways.

## Pathway 3: Career \& Technical Education (CTE) Concentrator

In addition to meeting local grade-based requirements* for each Keystone Exam content area in which a student achieves less than Proficient, the student must also meet one of the following: Attainment of an Industry-Based Competency Certification related to the CTE concentrator's program of study. OR Demonstration of high likelihood of success on approved industry-based competency assessment as demonstrated by performance on benchmark assessments, course grades, and other factors consistent with the CTE concentrator's goals and career plan and as determined by a chief school administrator in consultation with an area vocational-technical school director or principal of a comprehensive high school. The determination shall be made no later than the end of the eleventh grade, or, if a student enrolled in a one-year program, the end of the first semester of twelfth grade. OR Demonstration of readiness for continued meaningful engagement in a CTE Concentrator Program of Study as demonstrated by performance on benchmark assessments, course grades, and other factors consistent with the CTE concentrator's goals and career plan and as determined by a chief school administrator in consultation with an area vocational-technical school director or principal of a comprehensive high school. The determination shall be made no later than the end of the eleventh grade, or, if a student enrolled in a one-year program, the end of the first semester of twelfth grade.
*Completion of local grade-based requirements in any science and technology and environment and ecology course shall satisfy the requirements for the academic content area associated with the Keystone Exam in Biology for CTE concentrators.

## Pathway 4: Alternative Assessment

In addition to meeting local grade-based requirements for each Keystone content in which a student achieves less than Proficient, the student must also meet one of the following alternate assessments earning the minimum required score:

- ACT - Composite score of 21; OR,
- ACT WorkKeys NCRC (National Career Readiness Certificate) - Gold Level; OR,
- ASVAB [Armed Forces Qualifying Test (AFQT)] - Composite score of 31; OR,
- PSAT/NMSQT - Total score of 970; OR,
- SAT - Total score of 1010 .

For example, a student who only demonstrated Proficiency or better in the Keystone Literature Exam would need to satisfy the following under this criterion:

1. Achieve local grade-based requirements in both the Algebra I and the Biology courses), and
2. Achieve the established score or higher on one of the above approved alternative assessments.

## Pathway 5: Evidence-Based

In addition to meeting local grade-based requirements for each Keystone Exam content in which a student achieved less than Proficient, the student must provide three pieces of evidence under this pathway regardless of the number of Keystone Exams in which the student achieved less than Proficient.

- Section 1: (At least 1 piece of evidence)
- ACT WorkKeys NCRC (National Career Readiness Certificate) - Silver Level; OR,
- SAT Subject Test - Score of 630; OR,
- AP Exam - Score of 3+; OR,
- Concurrent Enrollment Course / Post-Secondary Course - Successful completion; OR,
- Industry Recognized Credential; OR,
- Acceptance to an other-than-4-year Institution of Higher Education (IHE) with the ability to enroll in college-level coursework.
- Section 2: (No more than 2 pieces of evidence)
- Keystone Exam - Score of $1500+$;
- Service Learning Project - Successful completion;
- Internship/Externship/Cooperative Education Experience - Certificate of completion;
- NCAA Compliance: Core Courses - ELA, Math, Science, Social Studies / GPA - 2.0
- Full-Time Employment/Military Enlistment - Guaranteed 30 hours per week OR 130 per month


## SCHOOL COUNSELING DEPARTMENT

## School Counseling 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.

## Secondary Campus Guidance Department:

| Ms. Jill Bielawski | Grade 7 |
| :--- | :--- |
| Ms. Nancy Schwabe-Fry | Grade 8 |
| Ms. Krista John | Grade $9,10^{\text {th }}$ Grade Special Education |

Grades $10,11,12(\mathrm{M}-\mathrm{Z}), \mathrm{CTC}$

## Promotion Guidelines:

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. Applications should be sent or completed online 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 April. To register for the ACT, visit 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

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. 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, recelve athletic scholarships, and/or compete during their first year.

Core-Course Requirement
Complete 16 core courses in the following areas:

4 years


## 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 leest 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 recelve athletics scholarships during their first year of enrollment at an NCAA Division I school.

Academic Reclshirt:
College-bound student-athletes may recelve athletics scholarships during their first yeer 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, recelve athletics scholarships or compete during their first year of enrollment at an NCAA Division I 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 Program of Studies 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 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 and over the summer. After that time, no changes will be made except for medical reasons or scheduling errors.

Requests 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:

1. Once the new school year begins, students have until the first mid-quarter of each semester to request changes. There are few exceptions to this policy:
a. Academic misplacement on the part of the school;
b. A change in career pathway/choice; or,
c. A decision to increase the level of a course (e.g. changing from World History to AP World History).

## 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 must include all required courses:

English $\rightarrow 4.00$ credits
Mathematics $\rightarrow 4.00$ credits
Science $\rightarrow 4.00$ credits
Social Studies $\rightarrow 4.00$ credits
Physical Education $\rightarrow 2.00$ credits
Health $\rightarrow 0.50$ credits
Arts \& Humanities or Both $\rightarrow 2.00$ 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. Generally, diplomas are only 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 SYSTEM

## Grading System - Garden Spot Secondary Campus (7-12):

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

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

If a student takes an Advanced or Honors course the Quality Points, as outlined above, will be multiplied by a weight of 1.05. If a student takes an Advanced Placement (AP), Dual-Enrollment (DE), or College in the High School (CiHS) course, the Quality Points, as outlined above, will be multiplied by a weight of 1.1. For example:

Advanced / Honors (1.05)
$\mathrm{A}=90 \%-100 \%=4.200$ 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
$\mathrm{C}+=77 \%-79 \%=2.415$ Quality Points
$\mathrm{C}=73 \%-76 \%=2.100$ 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
$\mathrm{F}=\leq 59 \%=0.000$ Quality Points

AP. Dual Enrollment, CiHS (1.1)
$\mathrm{A}=93 \%-100 \%=4.40$ Quality Points
A- $=90 \%-92 \%=4.07$ Quality Points
B $+=87 \%-89 \%=3.63$ Quality Points
$\mathrm{B}=83 \%-86 \%=3.30$ Quality Points
B- $=80 \%-82 \%=2.97$ Quality Points
$\mathrm{C}+=77 \%-79 \%=2.53$ Quality Points
$\mathrm{C}=73 \%-76 \%=2.20$ Quality Points
C- $=70 \%-72 \%=1.87$ Quality Points
D $+=67 \%-69 \%=1.43$ Quality Points
$\mathrm{D}=63 \%-66 \%=1.10$ Quality Points
D- $=60 \%-62 \%=0.77$ Quality Points
$\mathrm{F}=\leq 59 \%=0.00$ Quality Point

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

## RECOMMENDED GUIDELINES: $9^{\text {TH }}$ GRADE

## 1. A freshman schedule must include eight (8) credits.

## Core Courses (4 credits):

English - 1 credit
Mathematics - 1 or $2 \operatorname{credit}(s)$
Science-1 credit
Social Studies - 1 credit

Additional Required Courses:
Rotation - 2 credits
H/PE and Seminar 9 / STEM 9
Electives - 1 to $2 \operatorname{credit}(\mathrm{~s})$

## 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, FastBridge 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. 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: $10^{7 \mathrm{TH}}$ GRADE

1. A sophomore schedule must include eight (8) credits.

Core Courses (4 credits):
English - 1 credit
Mathematics - 1 or $2 \operatorname{credit}(s)$
Science - 1 credit
Social Studies - 1 or 2 credit(s)

Additional Required Courses:

Rotation PE/Seminar-1 credit
PE / Seminar 10
Electives -1 to $3 \operatorname{credit}(s)$

## 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, FastBridge 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 1 st 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.

## 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: $11{ }^{\text {TH }}$ GRADE 

1. A junior schedule must include eight (8) 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
OR one quarter each 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. 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: $\mathbf{1 2}^{\mathbf{T H}}$ GRADE

1. A senior schedule must include eight (8) credits. [Exception - Early Grads]

Core Courses ( $\mathbf{3}$ 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
OR one quarter each year.
2. English, Mathematics, Science, and Social Studies:

Seniors students generally must select courses to complete their $4^{\text {th }}$ 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 Options:

Seniors can participate in one of the following options as an elective: Dual Enrollment, Internship, Online Course, Co-Op program. Seniors are strongly encouraged to participate in one of the 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:

## AP Physics (\#0133) <br> 

| AP Physics <br> $a$ | $\# 0133$ <br> $b$ | Credits <br> $c$ | Length <br> $d$ | Frequency <br> $e$ | Offered <br> Grade <br> $f$ | Prerequisite <br> $g$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | 2.00 | Full Year | Daily | 11,12 | successful <br> completion |

## Key:

a. Course Title; b. Course Number; c. Credit earned for successfully completing the course; d. Length of course (e.g. Quarter, Semester, Full Year); e. Occurrences during a 10-day cycle; f. Usual student grade level; g. Course is NCAA approved; h. 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 Facilitators: Ms. Kayla Straub \& Mr. William Swinsburg

The agriculture department provides the opportunity for exploration, application, and development of career-ready skills and experiences in the areas of Food, Fiber, and Natural Resources. Enrollment in the agriculture program will help provide the professional and technical knowledge needed to meet the current and emerging careers of the twenty-first century. Being enrolled in an agriculture course provides an FFA membership for students to participate in year-round activities resulting in development of premier leadership, personal growth, and career success.

## Supervised Agriculture Experience - Independent Study (\# 0150)

### 1.00 Credit <br> Yearly

Offered Grades:
Prerequisite: Instructor Approval

## Course Description:

A Supervised Agricultural Experience (SAE) is a student-led, instructor-supervised, work-based learning experience that results in measurable outcomes within a predefined, agreed-upon set of Agriculture, Food and Natural Resources (AFNR) Technical Standards and Career Ready Practices aligned to your Career Plan of study. The course is designed for students interested in the agriculture industry and is formatted as an online course with face-to-face meetings, on-site visits, and tracking of your project and FFA involvement in the Agriculture Experience Tracker (AET). Students who complete this course will be able to participate in FFA events and activities.

Agriculture, Food \& Natural Resources (AFNR) (\# 0240)
1.00 Credit

Quarter - Daily
Offered Grades: 7-9 Academy Elective Prerequisite(s): None

## Course Description:

This CASE course introduces students to agricultural opportunities and the pathways of study in agriculture. Science, mathematics, reading, and writing components are woven in the context of agriculture and students will use the introductory skills and knowledge developed in this course. Throughout the course are activities to develop and improve employability skills of students through practical applications. Student experiences involve the study of communication, the science of agriculture, plants, animals, natural resources, and agricultural mechanics. Students will understand specific connections between their lessons and Supervised Agricultural Experience (SAE) and FFA components.

## Agriculture Science 1 (\# 0250)

### 1.00 Credit

Semester - Daily
Offered Grade: 7, 8, 9, 10
Prerequisite(s): Successful completion of Agriculture, Food, \& Natural Resources (AFNR)

## Course Description:

This introductory agriculture course explores food, fiber, and natural resources and introduces The National FFA Organization. This is accomplished through studying various local, regional, and national agricultural topics including plant, animal, and environmental science as well as various FFA and leadership topics. 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. Students who complete this course will be able to participate in FFA events and activities.

Agriculture Science 2 (\# 0350)

### 1.00 Credit

Semester - Daily
Offered Grade: $10,11,12$
Prerequisite(s): Successful completion of the Agriculture Science 1 course

## Course Description:

The course topics will include, but are not limited to, Parliamentary Procedure, Agronomy, Technology \& Precision Agriculture, Employment Skills, Agriculture Marketing \& Sales, Agri-science, and Public Speaking. 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. Students will complete an Agri-science project and earn their OSHA certification. Students who participate in this course will be able to participate in FFA events and activities.

## Leadership Development 1 (\# 0450)

### 1.00 Credit: NOT CURRENTLY OFFERED

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 its 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 who take this course will participate in various FFA events and functions.

Agricultural Research and Development (\# 0800)

## Offered Grades: NOT CURRENTLY OFFERED

Prerequisite: Must have an active Supervised Agricultural Experience (SAE) project. Successful completion of biology and chemistry.

## 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 Agri-science Fair which is held each year at the PA Farm Show. Students who participate in this course will be able to participate in FFA events and activities.

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 and vase field 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 will complete a semester-long research and development project and will have the opportunity to earn their ServeSafe Food Handlers certification. Students who complete this course will be able to participate in FFA events and activities.

Plant Science (\# 0901)

### 1.00 Credit

Semester - Daily
Offered Grades: 10, 11, 12 (GSHS Science Credit)
Prerequisite(s): Successful completion of Biology

## 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 plant science industry from many aspects including plant anatomy, plant propagation, greenhouse management, integrated pest management, hydroponics, and floral design. While taking this course students will have the opportunity to earn their Pennsylvania Private Pesticide Applicators License. Students who complete this course will be able to participate in FFA events and activities.

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

## Prerequisite(s): None

## 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.

## Small Animal Care and Management (\# 0922)

### 1.00 Credits

Offered Grade: $10,11,12$
Prerequisite: None
Course Description:
This course is for students who want to learn about the small and companion animal industry and related careers. Animals discussed include dogs, cats, rabbits, small rodents, amphibians, reptiles, fish, and birds. Students will also learn about topics such as small animal nutrition and digestion, diseases, animal care, safety, anatomy and physiology, and more! Students will be required to have a semester-long project that will act as $50 \%$ of their final grade, and students are expected to be involved in FFA related activities.

## Agriculture Business Foundations (ABF) (\# 0926)

1.00 Credit

Semester - Daily
Offered Grades: $10,11,12$
Prerequisite(s): Seminar 9 and Seminar 10

## Course Description:

This CASE course introduces students to business management practices using agriculture as the context. Mathematics, reading, and writing components are woven in the context of agriculture and students will use the introductory skills and knowledge developed in this course. Throughout the course are practical and engaging activities, projects, and problems to develop and improve business and employability skills. Additionally, students investigate and develop viable business plans in order to solve local problems. Student experiences involve the study of starting a business, financial documents, risk management, and writing a business plan. The knowledge and skills students develop can be used within multiple pathways of study. Students who complete this course will be able to participate in FFA events and activities.

Aquatics Forestry and Wildlife (\# 0970)
1.00 Credit

Semester - Daily
Offered Grades: 9, 10 (GSHS Science Credit)
Prerequisite: None

## 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 mains 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 who take this course will have the opportunity to participate in the FFA Vet Science Career Development Event.

Environmental Science (\# 1500)
1.00 Credits

Semester - Daily

## Offered Grade: 11, 12 (GSHS Science Credit)

Prerequisite: Aquatics, Forestry, and Wildlife

## Course Description:

This 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. Students who participate in this course will be able to participate in FFA events and activities.

## BUSINESS EDUCATION

Department Facilitators: Mr. Brad Harris

## 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. Students 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

Semester - Daily
Offered Grades: 11, 12
Prerequisites: None

## 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.

## Offered Grades: 9 - Required

Prerequisites: None

## Course Description:

The major focus of Seminar 9 is to begin career development activities, to prepare for entry-level employment and to learn digital communication proficiencies. Students will explore careers through personality surveys and research and learn how to search for and apply for entry-level jobs. In addition, students will develop computer application skills for success in post-secondary education, personal applications and in the workplace. The understanding of proper formatting and proofreading will be emphasized to convey a professional message within every project created.

Seminar 10 (\# 2035)
0.5 Credit

Semester - Every other day
Offered Grades: 10 - Required

## Prerequisites: None

## Course Description:

Seminar 10 continues to build on the career development activities learned in Seminar 9. Students learn how to create professional documents used when applying for jobs and begin to explore entrepreneurial and banking concepts through research and individual and collaborative projects. In addition, students will develop computer application skills for success in post-secondary education, personal applications and in the workplace. The understanding of proper formatting and proofreading will be emphasized to convey a professional message within every project created.

Personal Finance (\# 2140)

### 1.00 Credit

Semester - Daily

## Offered Grades: NOT CURRENTLY 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.

Consumer Economics: Life Hacks (\# 2145)

### 1.00 Credit

Semester - Daily
Offered Grades: 7-9 Academy Elective
Prerequisite(s): Students should have a desire to learn new skills for everyday living.

## Course Description:

This course is designed to increase skills and abilities for everyday living. Additionally, this course will give students new skills that could be applied to entrepreneurial aspirations in this freelance economy. Business Life Hacks will help students gain skills in sewing and mending, ironing, using tools for everyday tasks, basic cooking, budgeting, shopping on a budget, comparing prices of consumer goods and services, self-care, identity theft, and etiquette.

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 (\# 2225)

### 1.00 Credit

Semester - Daily
Offered Grades: $10-12$
Prerequisite(s): None

## Course Description:

Entrepreneurship is for students interested in business. This is a course for designers, problem solvers, writers, creators, and innovators. Students will develop an entrepreneurial mindset capable of problem solving and critical thinking. Through real-world projects, students will be exposed to different concepts such as design thinking and team building. Students will need to strive to develop their own personal strengths along with innovative spirits. Students will create their own Business Plan Project based on their career aspirations. The business plan will focus on the main functions of a business.

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 transferable to many Pennsylvania colleges and universities.

Fee(s): $\quad$ Text $\rightarrow$ Text cost regardless if student is taking for HACC credit or not.
Pathways2Success Cooperative Education - Class (\# 2453)
1.00 Credit Semester - Daily

## Offered Grades: 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; student 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 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

Course Sequence:

| English | $\mathbf{9}$ | $\mathbf{1 0}$ | $\mathbf{1 1}$ | $\mathbf{1 2}$ |
| ---: | :---: | :---: | :---: | :---: |
| Honors | K English 9H | K English 10H | English 11H <br> Advanced <br>  <br> Speech | English 12H <br> Elective |
| Academic | K English 9 | K English 10 | English 11 | English 12 |
|  |  | Klective |  |  |
| Career | K English 9 | K English 10 | English 11 | English 12 |

* = Keystone Exam

Keystone English 9 (\#s 3305, 3310)

### 1.00 Credit

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
```

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 emphasis 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 }->\mathrm{ English 11
```

English 12 (\#s 3065, 3050)

### 1.00 Credit

## 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 }->\mathrm{ English 12 Honors (Weighted Credit)
3065 }->\mathrm{ English 12
```

Advanced Composition \& Speech Honors (\# 3140H)

### 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): $\quad$ Exam $\rightarrow$ Students are responsible for $1 / 2$ 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) <br> Semester - Daily

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

Offered Grades: NOT CURRENTLY 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 students 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 transferable credits through Thaddeus Stevens College of Technology.

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.

## Offered Grades: NOT CURRENTLY 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: NOT CURRENTLY 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.

$$
\text { 3430H } \rightarrow \text { Advanced Reading Workshop (Weighted Course) }
$$

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: NOT CURRENTLY OFFERED

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 $\rightarrow 2$ Credits
ESL BEG2 Level 1 - Beginner S2 $\rightarrow 2$ Credits
ESL INT1 Level 2 - Intermediate $\mathbf{S} 1 \rightarrow 1$ Credit
ESL INT2 Level 2 - Intermediate S2 $\rightarrow 1$ Credit
ESL ADV1 Level 3 - Advanced S1 $\rightarrow 0.50$ Credit
ESL ADV2 Level 3 - Advanced S2 $\rightarrow$ 0.50 Credit

## HEALTH \& PHYSICAL EDUCATION

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

## Overview:

All students are required to take HPE9 which is a combination of health and physical education instruction. During this class, students will be introduced to physical activities from each of the upperclassmen physical education courses. Students will be required to take 3 of the upperclassmen physical education electives during their $10^{\text {th }}-12^{\text {th }}$ grade semesters. Each upper level PE class runs for 1 quarter. (Class of 2023 will need to take 4 electives. They took health ONLY in 2019-20.

* Note Class of 2021 is not required to take any HPE courses if they took an upperclassmen PE class at Garden Spot last year.


## 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. Students may be required to wear heart rate monitors (HRM) in most 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 $\$ 25.00$. In classes that require HRM's, 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 the $\$ 25.00$ replacement fee.
4. Courses, except for Sports Performance and Fitness and Weight Training, may be taken only once. Sports Performance and Fitness and Weight Training may be taken twice as the course content and training changes each quarter.

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.

Health \& Physical Education 9 (\# 6120)
1.00 Credit

Semester - Every Day
Offered Grades: 9 - REQUIRED
Prerequisites: None

## Course Description:

NOTE: This course is a combination of PE 10 and Health 10 from prior years. Students receive 1 full HPE credit ( 0.5 health and 0.5 physical education) for this course.

The health portion of the class is skills-based and 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 include but are not limited to Stress and Mental Health,

Fitness, Nutrition, Alcohol, Tobacco, and Other Drugs, Immune Response and Disease, Healthy Relationships, First Aid and CPR, as well as Consumer and Community Health.

The physical education portion of the class focuses on physical fitness through personal fitness assessment and individual goal setting. Students will actively engage in a multitude of activities while focusing on the 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.

## Team Sports (\# 6480)

### 0.50 Credit

Quarterly - Day
Offered Grades: 10-12

## Prerequisites: HPE 9

## Course Description:

Team Sports 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 football, softball, basketball, soccer, floor hockey, team handball, tchoukball and ultimate frisbee.

Net and Racquet Sports (\# 6485)

### 0.50 Credit

Quarterly - Daily

## Offered Grades: 10-12

## Prerequisites: HPE 9

## Course Description:

Net and Racquet Sports 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 healthand 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: Volleyball, Tennis, Badminton, Racquetball, Pickleball and Table Tennis.

Fitness \& Weight Training (\# 6391)
0.50 Credit

Quarterly - Daily
Offered Grades: 10-12
Prerequisites: None

## Course Description:

The fitness and weight training course focuses on a combination of weight training, cardiorespiratory 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.

Sports Performance (\#6460 \& \#6470)

### 1.00 Credit <br> Semester - Daily

Offered Grades: 10-12
Prerequisites: Participation in Garden Spot Athletics and a grade of B or higher in HPE 9.

## 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

Adventure Education (\# 6490)
0.50 Credit

Quarter - Daily
Grades Offered: 10-12
Prerequisites: HPE 9

## Course Description:

This course is geared towards students who enjoy adventure-based physical activities. Students will show competence in a variety of activities through application of knowledge, strategies, and tactics in each adventure-based activity. Student participation in required activities will help students maintain health enhancing levels of physical fitness. All activities will require students to exhibit responsible personal and social behavior that respects self and others. Students will learn the value of physical activity for health, enjoyment, challenge, self-expression and/or social interaction. Activities may include but are not limited to team building, fitness activities, biking, hiking, climbing, archery, fishing, kayaking, and camping. Some activities may not be offered every quarter depending on weather and/or availability. This course may include a field trip to experience certain adventure activities that are not available on campus.

## Creative Movement (\# 6495)

0.50 Credit

> Quarter - Daily

Grades Offered: 10-12
Prerequisites: HPE 9

## Course Description:

Creative Movement is designed to provide students with a positive experience in yoga, dance, fitness, bodyweight strength training, and stress management. Participation in this course will develop skills to make healthier lifestyle choices, increase sense of body awareness and its movements, build confidence, develop higher levels of fitness, practice stress reduction techniques, and learn basic elements of the creative process of the arts through dance and fitness movements. All activities will require students to exhibit responsible personal and social behavior that respects self and others. Students will learn the value of physical activity for health, enjoyment, challenge, self-expression and/or social interaction. Activities may include but are not limited to yoga, Pilates, line dancing, modern dance, ballroom dancing, hip hop, Zumba, TRX bands, resistance bands, plyometrics, kickboxing, HIIT, strength training, martial arts, progressive relaxation, mindfulness, meditation, mental imagery, 4-7-8 breathing, square breathing. This course may include a field trip to deepen learning and develop an appreciation of experiences learned in class.

## Unified PE (\#6XXX)

### 1.00 Credit

Offered Grades: 10-12

Prerequisites: Ninth grade PE

## Course Description:

Unified PE will focus on improving the PE experience for all learners involved. The course will utilize a blended format between the gym, track, and the fitness center and outside areas such as the tennis courts. The course will involve a buddy system where an AS/MDS/LS student will be paired with a general ed student. This class, like other physical education classes, will focus on physical fitness each week along with team sports skills. Students will engage in activities that will improve both health- and skill-related elements of fitness. The overall goal for the course it to provide maximum movement for all learners by having a buddy system. This inclusive course will increase leadership skills as well as engage all learners in a well-rounded fitness program.

# HUMANITIES 

Department Facilitator: Mr. Richard 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.

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 are provided in the Piano Lab. Students may only take this course once.

## 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/Orchestra) (\# 5020, \#5070)

### 1.5 Credits

Full Year - Daily
Offered Grades: 9, 10, 11, 12
Prerequisites: By approval for Band and orchestra, No audition required for Chorus

## Course Description:

A student may choose to be a part of band, chorus, orchestra, or multiple 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. The option for release at the end of the first semester does not exist.

$$
\begin{aligned}
& 5020 \rightarrow \text { Applied Music - Fall (1.0 Credit) } \\
& 5070 \rightarrow \text { Applied Music - Spring (0.5 Credit - iSpartan })
\end{aligned}
$$

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: Successful completion of Music Theory 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, rhythmic 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 $\rightarrow$ Students are responsible for $1 / 2$ 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

Semester - Daily

## Offered Grades: NOT CURRENTLY OFFERED

## 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: 9-12
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. The goal is to build upon skills and concepts learned in middle school art classes and prepare students for more advanced high school art classes and processes. This is a semester length course that can be taken either first or second semester.

Advanced Drawing \& Painting (\# 5311)
1.00 Credit

Semester - Daily
Offered Grades: 10-12
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. This is a semester length course that can be taken either first or second semester.

## Ceramics (\# 5413)

### 1.00 Credit

Semester - Daily
Offered Grades: 10-12
Prerequisites: Successful completion of 3D Art.

## Course Description:

Students expand their knowledge of ceramics with advanced exploration of materials and techniques used in the construction of hand built or wheel thrown pottery. This course is for students serious about improving their skills. The goal will be to build on the hand-building and wheel-throwing skills and fundamentals gained in the foundations courses and 3D Art (prerequisites) with a greater focus on development of personal artistic style and skills needed for art at the college level. This is a semester length course that can be taken either first or second semester.

## 3D Art (\# 5430)

### 1.00 Credit

Semester - Daily
Offered Grades: 10-12
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 to 3-dimensional hand building techniques and basics of working with clay. This is a semester length course that can be taken either first or second semester.

Advanced Portfolio Development 1 (\# 5605)
1.00 Credit (Weighted)

Semester - Daily
Offered Grades: 10-12
Prerequisites: 2D Design and Advanced Drawing \& Painting OR 3D Art and Ceramics.

## Course Description:

The purpose of this course is to provide talented and driven 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. Students will build their own plan for projects with the help of the teacher. Must meet prerequisites and have approval form signed by the teacher. This is a semester-long course that can be taken either first or second semester.
*A student may choose to focus more on 2D or 3D/Clay or a blend of both. With that said, they must have taken both (2D Design and Advanced Drawing and Painting) or both 3D courses (3D Art and Ceramics) to be eligible for the Advanced Portfolio Development course.

## Advanced Portfolio Development 2 (\# 5615)

1.00 Credit (Weighted)

Semester - Daily
Offered Grades: 11, 12

Prerequisites: 2D Design and Advanced Drawing and Painting OR 3D Art and Ceramics, Advanced Portfolio Development 1

Course Description:
The purpose of this course is to provide talented art students who may be considering attending art school an opportunity to continue to develop an exemplary portfolio; to provide classes dedicated to advanced skills and concepts in art. This is a semester-long class that can be taken either first or second semester.
*A student may choose to focus more on 2D or 3D/Clay or a blend of both. With that said, they must have taken both (2D Design and Advanced Drawing and Painting) or both 3D courses (3D Art and Ceramics) to be eligible for the Advanced Portfolio Development course.

Advanced Wheel Throwing (\# 5406)
1.00 Credit (Weighted)
Semester - Daily

Offered Grades: 10-12
Prerequisites: 3D Art and Ceramics
Course Description:
This course will introduce students to the business side of pottery. Students will learn how to maintain their own pottery business, market themselves, network with other business owners and potters to expand their own knowledge and gain new skills. This course is for students serious about improving their skills in wheel-throwing or hand-building with clay. The goal will be to learn how to start up your own business, market your business, and network with others in order to expand their revenue. This is a semester length course that can be taken either first or second semester.

## ACCESS SUCCESS \& INTERNSHIP

## Access Success (\# 2460 \& 2461)

### 1.00 Credit

Semester - Daily
Offered Grades: 11-12

## Prerequisites:

1. Candidates must be 5 th-year seniors or have 16 or fewer credits when starting their fourth year.
2. Candidates must speak with their school counselor and the Access Success teachers about the program and complete an application to determine eligibility.
3. Candidates must be willing to discuss and reflect upon interpersonal and intrapersonal experiences. This is an ongoing reflective process throughout the duration of the program.
4. Candidates must be ready to get and hold a job or participate in interest-based vocational activities that may lead to getting a job (either entry-level employment or moving towards career-based employment).
5. Candidates will graduate with 21 credits.

## Course Description:

Access Success is a differentiated program that allows learners to access intrapersonal and professional success. This program is for learners who have not experienced traditional academic success in the expected timeline.

## Exception:

Candidates who want to participate in our co-op program but cannot attend school in-person (school counselors and additional relevant stakeholders will determine in-person eligibility) may also be considered for the Access Success Program. These learners will graduate following the Garden Spot High School 28 credit requirement.

Internship (\# 2474)

### 1.00 Credit

Semester - Daily
Offered Grades: 12
Prerequisites:
6. Candidates must complete an application provided by the Internship Coordinator and Guidance Office and be given approval to participate.
7. Candidates must have senior academic status.
8. Student interns must provide their own transportation if their placement requires it.
9. Candidates must acquire an internship placement in which they can work for a specific number of minutes per week as determined by the school bell schedule
10. If the internship is paid, the intern must submit working papers. If students must drive to their internship, they must submit a copy of their driver's license.
11. A completed Internship Training Agreement and Plan must be submitted prior to the start of the semester in order to participate in the internship.
12. Students under the age of 18 must have their internship mentor submit the required volunteer clearances found on the ELANCO website.

## Course Description:

Internship grants seniors an opportunity to gain real-world experience to observe and explore employment scenarios that will develop career awareness and aid in focusing post-secondary goals. 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 be given through an online course on Canvas.

## MATHEMATICS

Department Facilitator: Ms. Katherine Swinehart
Course Sequence:

| Mathematics | $\mathbf{9}$ | $\mathbf{1 0}$ | $\mathbf{1 1}$ | $\mathbf{1 2}$ |
| ---: | :---: | :---: | :---: | :---: |
| Honors | K Geometry H | Pre-Calculus H | Elective | Elective |
| Academic | Keystone Algebra* | Keystone Geometry | Pre-Calculus / <br>  <br> Statistics / <br> Intermediate <br> Algebra | Elective |
| Career | Pre-Algebra | Keystone Algebra* | Keystone Geometry | N/A |

* $=$ Keystone Exam

Pre-Algebra (\# 7100)

### 1.00 Credit

Semester - Daily
Offered Grades: 7-9
Prerequisites: None

## Course Description:

Pre-Algebra is a freshman 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, \# 7050, \# 7055)
2.00 Credits

Full Year - Daily

## Offered Grades: 7-9

Prerequisites: None

## 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.

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7035 - Keystone Algebra (Full Year)
7050 - Keystone Algebra 1A
7055 - Keystone Algebra 1B
```

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

Algebra II (\# 7060 and 709\#)
1.00 Credit

Semester - Daily
Offered Grades: 10,11
Prerequisites: Successful Completion of Keystone Algebra

## 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 1 course both in depth and scope with additional topics included.

7060 - Algebra 2 Academic
7090 - Algebra 2 Honors (Weighted) NOT CURRENTLY OFFERED

AP Statistics (\# 7150)

### 1.00 Credit (Weighted)

Semester - Daily
Offered Grades: 11, 12
Prerequisites: Successful completion of Keystone Geometry
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): $\quad$ Exam $\rightarrow$ Students are responsible for $1 / 2$ the cost of the AP Exam.

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: 10-12
Prerequisites: Successful completion of Pre-Calculus Honors

## 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 $\rightarrow$ Students are responsible for $1 / 2$ the cost of the AP Exam.

AP Calculus BC (\# 7172B)

### 1.00 Credit (Weighted)

Semester - Daily
Offered Grades: 11, 12
Prerequisites: Successful completion of 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 $\rightarrow$ Students are responsible for $1 / 2$ the cost of the AP Exam.

### 1.00 Credit

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

Offered Grades: 11, 12
Prerequisites: Successful completion of Keystone Algebra or Algebra II 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 transferable credits through Thaddeus Stevens College of Technology.

Fee(s): Thaddeus Stevens College of Technology $\rightarrow$ Students are responsible for the enrollment and courses 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, spatial 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)
```


### 1.00 Credit

Offered Grades: $10,11,12$
Prerequisites: Successful completion of Keystone Algebra (B- or higher) and Keystone Geometry - otherwise successful completion of Intermediate Algebra.

## 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: 7-12
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.

Intermediate Programming (\# 7605)

### 1.00 Credit

Offered Grades: 8-12
Prerequisites: Successful completion of Computer Programming (\# 7600).

## Course Description:

The Intermediate Programming curriculum is designed for students who have completed the Computer Programming - CS1 course. This course builds on the Computer Programming - CS1 foundation, covering some additional programming and computer science (CS) topics (such as sets and maps), and then applying and extending computational problem-solving skills in a variety of application areas. Units will apply computation to areas such as art, science, music, math, data analysis and visualization, simulations, game design, web applications, security, machine learning and artificial intelligence, and more. The sequencing and duration of the units will be flexible, allowing students to customize the course to best suit their interests.

Introduction to Game Design (\# 7610)

### 1.00 Credit

Semester - Daily
Offered Grades: 9-12
Prerequisites: Successful completion of Computer Programming - CS 1 (\# 7600).

## Course Description:

In this official course from Unity, students will learn to Create with Code as they program their own exciting projects from scratch in C\#. As they iterate with prototypes, tackle programming challenges, complete quizzes, and develop their own personal project, they will transform from an absolute beginner to a capable Unity developer. The course also introduces students to creating virtual reality in Unity. The course also utilizes a popular free plugin called VRTK to create a "Jump Start Your Car Battery" app prototype that focuses on getting started quickly into the world of VR/AR. By the end of the course they will also be ready to put your skills to the test on the Unity Certified User Programmer Exam. Most importantly, though, when students complete this course, they will have the confidence that they can Create with Code.

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 $\rightarrow$ Students are responsible for $1 / 2$ the cost of the AP Exam.

AP Computer Science Principles (\# 7615AP)
1.00 Credit

Semester - Daily

## Offered Grades: 9-12 NOT CURRENTLY OFFERED

Prerequisites: Successful completion of Computer Programming - CS 1 (\# 7600).

## Course Description:

AP Computer Science Principles is an introductory college-level computing course. Students cultivate their understanding of computer science through working with data, collaborating to solve problems, and developing computer programs as they explore concepts like creativity, abstraction, data and information, algorithms, programming, the internet, and the global impact of computing.

## 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 review students who request to retake KGSH class.

Spartanus (\# 9300FY)
2.0 Credit (1.0 credit Tech Ed, 1 credit Business)

Year- Daily
Offered Grades: $10,11,12$
Prerequisites: Successful completion ( $80 \%$ or higher) in Digital Photography and approval from instructor; permission to leave campus (PLEASE SEE NOTE BELOW)

Course Description:

Course Layout: Students will alternate days with Mrs. Ertzgard and Mr. Stoneback for the entire year. Half of the year ( 1 credit) will be derived from a photography II aspect (see below) and the other half of the year (1 credit) will be derived from a business aspect (see below). At the completion of the course, students will have earned 2 credits, 1 business \& 1 Tech Ed.

Tech Ed (photography) Aspect: 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, but not required, for this class.

Business Aspect: 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.

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 in the class with written permission from a parent or guardian.

## SCIENCE

Department Facilitator: Mrs. Kayla Straub \& Mr. William Swinsburg

## Course Sequence:

| Science | $\mathbf{9}$ | $\mathbf{1 0}$ | $\mathbf{1 1}$ | $\mathbf{1 2}$ |
| ---: | :---: | :---: | :---: | :---: |
| Honors | Physics 9 Honors | Biology Honors* | Chemistry Honors | Elective |
| Academic | Earth \& Space <br> Science | Academic Biology* | Academic Chemistry | Elective |
| Career | Earth \& Space <br> Science | Academic Biology* | Academic Chemistry | Elective |

[^0]- Recommended Electives: Honors $\rightarrow$ AP Biology; AP Chemistry; AP Physics; AP Environmental; Physics II; Biotechnology; Forensics; Organic Chemistry; Scientific Research \& Competition Honors.
- Recommended Electives: Academic $\rightarrow$ Biotechnology; Forensics; Form \& Function; Physics II; Organic Chemistry
- Recommended Electives: Career $\rightarrow$ Form \& Function; Food Science; Animal Science; Plant Science; Environmental Science; Vet Science

Biotechnology (\# 0850)

### 1.00 Credit

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. The emphasis is on medical technology and individualized medicine. Techniques will include, but are not limited to, genetic engineering, recombinant DNA technology, embryo transfer, gene therapy, genetic sequencing, Crispr technology 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
Prerequisite(s): Earth \& Space Science or Physics 9 Honors

## Course Description:

This introductory, inquiry-based biology course builds on the scientific foundations developed in the preceding core science courses in $9^{\text {th }}$ 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

# Advanced Biology (\# 1050) 

1.00 Credit (Weighted)

Semester - Daily

## Offered Grade: NOT CURRENTLY 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)
2.00 Credits (Weighted)
Year long - Daily

## Offered Grade: 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 a 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 $\rightarrow$ Students are responsible for $1 / 2$ the cost of the AP Exam

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): Earth \& Space Science or Physics 9 Honors; 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

Principles of Science (\# 1225)
1.00 Credit

Semester - Daily
Offered Grade: 9
Prerequisite(s): NOT CURRENTLY OFFERED

## 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 (\# 1250)

### 2.00 Credit (Weighted)

Full-Year - Daily

Offered Grade: 11,12
Prerequisite(s): B or higher in Chemistry, and Algebra II

## 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. Students must have a scientific calculator for this course.

Fee(s): $\quad$ Exam $\rightarrow$ Students are responsible for $1 / 2$ 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.

Earth \& Space Science (\# 1400)
1.00 Credit

Semester - Daily
Offered Grade: 9-10
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. Throughout this course, students will be investigating all parts of the Earth's system, which includes four main systems: the atmosphere, the geosphere, the hydrosphere, and the biosphere, as we travel from the center of the Earth to the farthest regions of space. Our Earth is a constantly changing system. Its appearance can be altered in a matter of seconds or over the course of millions of years. Therefore, the study of Earth \& Space Science involves much more than just the Earth itself.

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 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 $1 / 2$ 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 $\rightarrow$ Students are responsible for $1 / 2$ the cost of the AP Exam.

Scientific Research \& Competition - Honors (\# 1900H)

### 1.00 Credit (Weighted)

Semester - Daily
Offered Grade: 9-12
Prerequisite(s): Teacher Recommendation
Course Description:
Honors Science Research and Competition is a rigorous science elective focused on research methods and application of scientific reasoning to local competitions. Participation in the local Science Olympiad Invitational and the regional Science Olympiad competition at Millersville University is mandatory. Science Olympiad requires students to invest a significant amount of time preparing for their events (studying for highly competitive content tests on specific topics and/or building and testing hands-on projects). Students should expect to teach themselves and become a self-directed expert on their individual events. Due to the highly self-directed nature of these events, students must obtain a teacher recommendation (verifying the student's ability to work independently) to enroll in the class. This course runs in the fall semester, but grades will be held until the Science Olympiad competition in the spring.

The second major component of the course is a personalized research project. Students will review relevant scientific literature, design an original experiment, record data precisely and accurately, analyze data, and present their findings appropriately. This research project may qualify the student to compete in local science fairs depending on the area of research.

## SOCIAL STUDIES

Department Facilitator: Laura Schneider

## Course Sequence:

| Social Studies | $\mathbf{9}$ | $\mathbf{1 0}$ | $\mathbf{1 1}$ | $\mathbf{1 2}$ |
| ---: | :---: | :---: | :---: | :---: |
| Honors | K American History <br> 9 H | AP World History <br> World History 10H | AP US Government <br> \& Politics <br>  <br> Government H | Elective |
| Academic | K American History 9 | World History 10 |  <br> Government | Elective |
| Career | K American History 9 | World History 10 |  <br> 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.

$$
\begin{aligned}
& 4000 \text { - Keystone American History } 9 \\
& 4000 \mathrm{H} \text { - Keystone American History } 9 \text { Honors }
\end{aligned}
$$

AP US History (\# 4020)

### 1.00 Credit (Weighted)

Semester (Fall) - Daily

Offered Grades: 11, 12
Prerequisites: Instructor Approval
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): $\quad$ Exam $\rightarrow$ Students are responsible for $1 / 2$ the cost of the AP Exam.

Indigenous \& Native American Studies (\# 4030)
1.00 Credit

Semester - Daily
Offered Grades: $11-12$
Prerequisites: None

Course Description:

What were the first civilizations like in North America? How have indigenous populations resisted colonization? What role have Native Americans played in the shaping of the United States? How can we celebrate what we have in common while also honoring our differences? How do power and privilege shape the relationships people have with each other and with institutions?

The Indigenous and Native American Studies course will examine these questions as well as many others. The first part of this course takes a look at the first civilizations that existed in N. America, including their history, origin, religious and cultural practices. The rest of the course will focus on the challenges faced by Indigenous peoples in North America since European colonization, how these groups have responded to and resisted colonialism historically, and the ways in which Native American communities today are impacted by it. Students who take this course can also expect to discover more about the history of Native American communities in and around Lancaster County, where and how Indigenous Americans live across the United States today and what the fight for Indigenous rights looks like in the 21 st Century.

Economics (\# 4150)

### 1.00 Credit

Semester - Daily
Offered Grades: 11, 12
Prerequisites: None
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 how countries and individuals are impacted by economic decisions.

Offered Grades: $10,11,12$
Prerequisites: None

## 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 (\# 4260DE)

1.00 Credit (GSHS)

Semester - Daily
3.00 Credits (HACC - Dual Enrollment)

Offered Grades: 11, 12
Prerequisites: Ability and desire to do college-level work. Student must place eligible on HACC 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 HACC; 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 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 transferable to many Pennsylvania colleges and universities.

Fee(s): Tuition fee $\rightarrow \$ 150-$ Students are responsible for tuition fees.
Text $\rightarrow$ Students are responsible for 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 $\rightarrow$ Students are responsible for $1 / 2$ 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
affected 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

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 students 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

Semester - Daily
Offered Grades: 10
Prerequisites: None

## 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 $10^{\text {th }}$ grade students.

AP World History - Modern (\# 4450)
2.00 Credit (Weighted)

Full Year - Daily
Offered Grades: $10,11,12$
Prerequisites: None
Course Description:
In AP World History: Modern, students investigate significant global events, individuals, developments, and processes from 1200 to the present. Students develop and use the same skills, practices, and methods employed by historians to promote critical thinking. The course provides six themes that students explore throughout the course in order to make historical connections in different times and places. AP World History: Modern is designed to be the equivalent of an introductory college or university survey course of modern world history. There is no prerequisite for this course. Any motivated student who is committed to grow as a critical learner and thinker, and who has an interest in other cultures and how the current state of world affairs has materialized may take this Advanced Placement course.

AP World History can be taken as an alternative to Keystone World History 10 (\# 4500 or \# 4500H), which is required of all $10^{\text {th }}$ grade students.
Fee(s): $\quad$ Exam $\rightarrow$ Students are responsible for $1 / 2$ 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 $\# 4610 H)$, which is required of all $11^{\text {th }}$ grade students. It can also be taken during $12^{\text {th }}$ grade.

Fee(s): Exam $\rightarrow$ Students are responsible for $1 / 2$ the cost of the AP Exam.

Political Geography (\# 4620)
0.25 Credit

Quarter - 5 days / cycle
Offered Grades: NOT CURRENTLY 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.

AP Art History (\# 5700)

### 1.00 Credit (Weighted)

Semester - Daily
Offered Grades: 11, 12
Prerequisites: None
Course Description:
The AP Art History course 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. Architecture, 2-dimensional art, sculpture, and mixed media will be explored from prehistory to the present. Engaging in art history can be a mirror to see ourselves in different ways, while fostering a mindset that opens up the imagination through the exploration of art in its historic and cultural contexts. By investigating specific works of art characterized by diverse artistic traditions, students develop in-depth, holistic understanding of
the history of art from a global perspective. 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): $\quad$ Exam $\rightarrow$ Students are responsible for $1 / 2$ the cost of the AP Exam.

## SPECIAL SERVICES

Department Facilitator: Ms. Tonya Artus

Academic Support (\# 9110)

### 1.00 credit

Semester - Daily

Offered Grades: 9-12
Prerequisites: IEP Team recommendation only

## Course Description:

The Academic Support Course is designed to support students' success in their required academic courses. Students who need additional academic support in core subjects will be provided with subject-specific learning strategies and exposure to grade-level eligible content with adaptations, per each student's Individualized Education Program (IEP). During the class period students will engage in instruction to learn effective study skills and habits, note taking, organizational strategies, test taking strategies, and time management strategies. The learners will have the opportunity to apply these taught skills using their current course work. Learners will be given the opportunity to receive one-to-one support, small group instruction and/or computer-based instruction, focusing on specific learning behaviors to support successful participation in their general education courses.

## Foundations of Literacy (\#3011)

### 1.00 Credit

Semester - Daily
Offered Grades: 9-12
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 his/her IEP team. Students are provided instruction in reading decoding, reading comprehension, reading fluency and written expression based on identified needs per the IEP. In this class, each student will work towards his/her individualized IEP goals. Instruction will be in small groups, based on student need.
1.00 Credit

Semester - Daily
Offered Grades: 9-12
Prerequisites: None

## Course Description:

The Foundations of Mathematics course will provide students with specially designed instruction, targeting individual needs including: basic skills in math computation, math calculations, solving real world problems, measurement skills, and basic algebra skills. Students will receive small group instruction, and computer-based instruction focusing on specific skills as identified needs per the IEP. Students will also have exposure to grade-level eligible content, with modifications per his/her IEP.

Functional Academics (\#9371)
1.00 Credit / Per Block

Semester - Daily
Offered Grades: 9-12
Prerequisites: IEP Teacher recommendation only

## Course Description:

This course is designed to teach functional basic Reading, Writing, and Math skills based on identified needs per the IEP.

## Functional Communication (\#9732)

1.00 Credit / Per Block

Semester - Daily
Offered Grades: 9-12
Prerequisites: IEP Team recommendation only

## Course Description:

This course is designed to develop communication skills in a small group setting based on a student's needs as identified in his/her IEP.

Functional Daily Living Skills (\#9734)
1.00 Credit / Semester

Semester - Daily
Offered Grades: 9-12
Prerequisites: IEP Team recommendation only

## Course Description:

This course is designed to develop skills related to independent living. The primary emphasis of this course may include meal planning, purchasing and preparation, cleaning, laundry and other functional independent living skills.

Functional Vocational Skills (\#9735)
1.00 Credit / Semester

Semester - Daily
Offered Grades: 9-12
Prerequisites: IEP Team recommendation only

## Course Description:

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

Specialized Art (\# 9595)
Credit Varies Semester - Daily
Offered Grades: 9-12
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.

## Specialized Communications (\# 9749)

Credit Varies Semester - Daily
Offered Grades: 9-12
Prerequisites: IEP Team recommendation only
Course Description:This course is designed to promote an appreciation for library sciences. The primary emphasis of this course is on developing skills for leisure time activities and to promote life-long enjoyment of reading.

## Specialized Music (\#9590)

Credit Varies
Semester - Daily
Offered Grades: 9-12
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.

Credit Varies
Semester - Daily
Offered Grades: 9-12
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.

## TECHNICAL EDUCATION

Department Facilitator: Mr. Mark Kaufman
System Control \& Applied Technology (\# 2500)
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 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.

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.

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, and advertising design. Through this course students will be exposed to industry standard software including Adobe Illustrator, Adobe In-Design, Adobe Photoshop, Adobe Dreamweaver, as well as other software as needed.

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 VersaCAMMVinyl 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 multi page websites that contain animation and other multimedia data.

Students will have the opportunity to learn how graphic design applications apply to advanced manufacturing technologies, such as CNC router and laser cutters.

## 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 engineering, and the technology fields of study. The problem-solving model 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, technical drawing, and Computer Aided Drawing (CAD) utilizing Auto CAD software and the Autodesk Design Suite.

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 photographs along with, manipulating images using Adobe Photoshop and Adobe Lightroom This course will help students to develop technical skills as well as a creative eye. Students will also learn how to mount photographs, use their phones to take quality images, create a glass etched photo, and much more.

Note: 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. If students do not have a digital camera, but they want to take the class, they can borrow a camera from the class selection.

Digital Photography II (\# 2795)

### 1.00 Credit

Semester - Daily
Offered Grades: 10, 11, 12
Prerequisites: Successful completion (i.e. $>80 \%$ ) in Digital Photography and approval from instructor.

## Course Description:

The student will gain further understanding of a digital camera. Students will gain hands-on experience in the techniques of digital photography, along with computer manipulation with the use of Adobe Photoshop and Adobe Lightroom. Students will be building off prior concepts taught in Digital Photography I. Furthermore, they will be expanding their knowledge of concepts not taught in the first level Photography course. Students will go on multiple field trips to gain real-life experiences, create canvas wraps, custom mount panoramas, glass etched photos, gain experience flying drones, and much more. A DSLR camera is recommended, but not required, for this class.

## Woodworking (\# 2910)

1.00 Credit

Semester - Daily
Offered Grades: 10, 11, 12
Prerequisites: None

## 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 flat-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 $\rightarrow$ Students are responsible for the cost of any materials greater than $\$ 90$.

Wood Seminar (\# 2911)
1.00 Credit

Semester - Daily
Offered Grades: $10,11,12$
Prerequisites: Successful completion of Woodworking (\#2910) with a "B" or higher.
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): $\quad$ Materials $\rightarrow$ Students are responsible for the cost of any materials greater than $\$ 90$.

## STEM 9 (\# 9200)

0.50 Credit

Quarterly / Every Day

## Offered Grades: 9

Prerequisites: None

## 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.

## Offered Grades: NOT CURRENTLY OFFERED

Prerequisites: None

## Course Description:

The STEM 10 class will challenge students to draw on their previous experiences in STEM 9 and develop them further with more emphasis on engineering concepts. More advanced methods of design will be covered. Students will keep an engineering logbook to document their progress through the course. Vex robotics kits will be used to offer higher level skill development in solving problems using the included programming software, sensors, and building equipment. The end goal of the course is to provide opportunities to develop highly transferable skills in collaboration, communication, and critical thinking, which are relevant for any future coursework or career.

## Design Engineering (\# 2610)

### 1.00 Credit

Fall Semester - Daily
Offered Grades: $10,11,12$
Prerequisites: Instructor Approval Required
Instructor Approval Required

## Course Description:

Design Engineering is a course that focuses on applying the technological design process. Students will choose from various engineering design projects to work on or generate their own project. Projects may be group or individual. The students then design, build, test, and present a solution for the project. This is an ideal; course for students interested in the Technology Student Association (TSA), the Governor's STEM Challenge or the Land, Air, and Sea Challenge. Students are NOT required to compete in one of the extracurricular competitions to take the class.

## 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 listed 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<br>Computer Aided Design and Prototyping<br>Graphic Communications<br>Graphic Communications II<br>Digital Photography<br>Digital Photography II<br>Spartanus<br>Engineering - Mechanical

Computer Aided Design and PrototypingDesign 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 ProgrammingIntermediate Programming
Architecture, Interior Design, Landscaping
Computer Aided Design and Prototyping
Wood Technology
Journalism, Communications, BroadcastingGraphic Communications
Graphic Communications II
Digital Photography
Digital Photography II
Spartanus
KGSH/TV Production - Fall
KGSH/TV Production - Spring
Journalism
Photography
Digital Photography
Digital Photography II
Spartanus
Graphic Communications
Graphic Communications II
Aviation, Navigation and Space Related CareersDesign EngineeringEngineering and Problem SolvingSystem Control \& Applied Technology
Industrial Technician/MaintenanceEngineering 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
Spartanus

## 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 friends, family life, school life, favorite activities, shopping, and sports and hobbies. Classroom communications in German at the level of students' ability is required.

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 enlarge vocabulary begun in German I, including clothing, music, movies, free-time activities, asking for and giving directions, and teenage life in German speaking countries. The past and future tenses are 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 German, 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 learn to understand, speak, read, and write German at an intermediate level. Students describe events, give opinions, relate facts, ask questions, and write original compositions utilizing current German idioms, cognates, and vocabulary appropriate to the topics. Familiarity with German culture increases. Authentic German literature is introduced. Oral and written communication is in German.

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:

All basic grammar is completed. Students are given many and varied opportunities to gain confidence and to become more comfortable using German. Current events and various German literary selections are covered. The course is designed to enable students to survive as residents in a German speaking country.

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 improve their communication skills. Topics of studies include, but are not limited to, advanced grammar concepts, literature, and current events. Current relevant media enhances the material studied. Participation in both individual group presentations is 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 vacations, family, celebrations, television, holidays, health and fitness. 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.

All communication is in Spanish.

AP Spanish (\# 3960)

### 1.00 Credit (Weighted) <br> Semester - Daily

Offered Grades: 11, 12
Prerequisites: Successful completion of Spanish 4 with an $80 \%$ or higher and approval of instructor.

## Course Description:

Students continue to perfect their listening, speaking, reading and writing skills in preparation for the AP exam or collegiate study of the Spanish language. All advanced grammatical concepts will be reviewed, and students will receive in-depth AP exam practice. Some literature selections and authentic materials will be used to enhance communication skills and cultural understanding. All communication is in Spanish.

## This course offering is dependent upon enrollment.

Fee(s): Exam $\rightarrow$ Students are responsible for $1 / 2$ 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 $1 / 2$ 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), 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)

Offered Grades: 11, 12
Prerequisites: Application and acceptance to LCCTC.

## 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<br>Culinary Cluster<br>Health Care Cluster<br>Manufacturing Cluster<br>Transportation Cluster<br>Visual Communications Cluster

## ELANCONLINE

## ELANCOnline Virtual Academy



## Course Offerings \& Alternate Selections:

The listing of a specific course in this planning guide does not guarantee that it will be offered each school year. The Director of Curriculum \& Instruction 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.

The virtual course codes in the course titles (CEL, EL and GPEL) indicate the learning management system for that course. CEL - Canvas, EL - Apex Learning, GPEL - Gradpoint

# ENGLISH - ELANCONLINE 

## CEL English 9 \& CEL Honors English 9 (Weighted Credit)

1.00 Credit

Offered Grade: 9
Prerequisites: None

## Course Description:

Students in 9th 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.

## CEL English 10 \& CEL Honors English 10 (Weighted Credit)

1.00 Credit

Offered Grade: 10
Prerequisites: Successful Completion of English 9/Honors English 9

## Course Description:

Students in 10th 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.

Note...Upon completion of this course, students will be required to complete the English Literature Keystone Exam.

## CEL English 11 \& CEL Honors English 11 (Weighted Credit)

1.00 Credit

Offered Grades: 11
Prerequisites: Successful Completion of English 9 \& 10/Honors English 9 \& 10

## Course Description:

11th 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 are significant 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.

## Course Description:

English 12 includes units on literature, reading, writing, speaking and listening. The content of this course has been designed to directly assist students with specific needs in reading and writing. Reading development will be supplemented by vocabulary study. Reading assignments will be specific to the areas of skill development required by students. Writing projects, both formal and informal, will focus on the five areas of the PA Writing Rubric. Students will have opportunities to analyze literary selections and develop a deep understanding and appreciation of British Literature.

Honors English 12 is designed to prepare students for college-level 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.

## EL Creative Writing

### 1.00 Credit

Offered Grades: 11, 12
Prerequisites: Successful Completion of English 9 \& 10 or Equivalent Courses

## Course Description:

Creative Writing is an English elective course that focuses on the exploration of short fiction and poetry, culminating in a written portfolio that includes one revised short story and three to five polished poems. Students draft, revise, and polish fiction and poetry through writing exercises, developing familiarity with literary terms and facility with the writing process as they study elements of creative writing. Elements of fiction writing explored in this course include attention to specific detail, observation, character development, setting, plot, and point of view. In the poetry units, students learn about the use of sensory details and imagery, figurative language, and sound devices including rhyme, rhythm, and alliteration.

They also explore poetic forms ranging from found poems and slam poetry to traditional sonnets and villanelles. In addition to applying literary craft elements in guided creative writing exercises, students engage in critical reading activities designed to emphasize the writing craft of a diverse group of authors. Students study short stories by authors such as Bharati Mukherjee and Edgar Allan Poe, learning how to create believable characters and develop setting and plot. Likewise, students read poetry by canonical greats such as W. B. Yeats and Emily Dickinson as well as contemporary writers such as Pablo Neruda, Sherman Alexie, and Alice Notley. Studying the writing technique of a range of authors provides students with models and inspiration as they develop their own voices and refine their understanding of the literary craft.

## EL Media Literacy

1.00 Credit

Offered Grades: 11, 12
Prerequisites: Successful Completion of English 9 \& 10 or Equivalent Courses

## Course Description:

Media Literacy teaches students how to build the critical thinking, writing, and reading skills required in a media-rich and increasingly techno-centric world. In a world saturated with media messages, digital environments, and social networking, concepts of literacy must expand to include all forms of media. Today's students need to be able to read, comprehend, analyze, and respond to non-traditional media with the same skill level they engage with traditional print sources. A major topic in Media Literacy is non-traditional media reading skills, including how to approach, analyze, and respond to advertisements, blogs, websites, social media, news media, and wikis. Students
also engage in a variety of writing activities in non-traditional media genres, such as blogging and podcast scripting. Students consider their own positions as consumers of media and explore ways to use non-traditional media to become more active and thoughtful citizens. Students learn how to ask critical questions about the intended audience and underlying purpose of media messages, and study factors which can contribute to bias and affect credibility. This course is built to The National Association for Media Literacy Education's Core Principles of Media Literacy Education.

## EL AP English Language and Composition

1.00 Credit (Weighted)

Offered Grades: 11, 12
Prerequisites: Successful Completion of English 9 \& 10 or Equivalent Courses

## Course Description:

In AP English Language and Composition, students investigate rhetoric and its impact on culture through analysis of notable fiction and nonfiction texts, from pamphlets to speeches to personal essays. The equivalent of an introductory college-level survey class, this course prepares students for the AP exam and for further study in communications, creative writing, journalism, literature, and composition.

Students explore a variety of textual forms, styles, and genres. By examining all texts through a rhetorical lens, students become skilled readers and analytical thinkers. Focusing specifically on language, purpose, and audience gives them a broad view of the effect of text and its cultural role. Students write expository and narrative texts to hone the effectiveness of their own use of language, and they develop varied, informed arguments through research. Throughout the course, students are evaluated with assessments specifically designed to prepare them for the content, form, and depth of the AP Exam.

AP English Language and Composition is recommended for 11th and 12th grade students. This course fulfills 11th grade requirements. Consequently, we recommend that students take only one of the following courses: English 11, Texas English III, and AP English Language and Composition.

This course has been authorized by the College Board $®$ to use the AP designation.

## GPEL Mythology \& Folklore

1.00 Credit

Semester Course
Offered Grades: 11, 12
Prerequisites: Successful Completion of English 9 \& 10 or Equivalent Courses

## Course Description:

Mighty heroes. Angry gods and goddesses. Cunning animals. Mythology and folklore have been used since the first people gathered around the fire as a way to make sense of humankind and our world. This course focuses on the many myths and legends woven into cultures around the world. Starting with an overview of mythology and the many kinds of folklore, the student will journey with ancient heroes as they slay dragons and outwit the gods, follow fearless warrior women into battle, and watch as clever animals outwit those stronger than themselves. They will explore the universality and social significance of myths and folklore and see how they are still used to shape society today.

# MATHEMATICS - ELANCONLINE 

## EL Introductory Algebra

1.00 Credit

Offered Grades: 9
Prerequisites: None

## Course Description:

Introductory Algebra provides a curriculum focused on foundational concepts that prepare students for success in Algebra I. Through a "Discovery-Confirmation-Practice"-based exploration of basic concepts, students are challenged to work toward a mastery of computational skills, to deepen their understanding of key ideas and solution strategies, and to extend their knowledge through a variety of problem-solving applications. Course topics include integers; the language of algebra; solving equations with addition, subtraction, multiplication, and division; fractions and decimals; measurement; exponents; solving equations with roots and powers; multi-step equations; and linear equations. Within each Introductory Algebra lesson, students are supplied with a scaffolded note-taking guide, called a study sheet, as well as a post-study check-up activity that provides them the opportunity to hone their computational skills by working through a low-stakes, 10 -question problem set before starting formal assessment. Unit-level Introductory Algebra assessments include a computer-scored test and a scaffolded, teacher-scored test.

## CEL Keystone Algebra A

1.00 Credit

Offered Grades: 9, 10
Prerequisites: None

## 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, graphical 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. (Keystone Algebra 1 is also offered to students in 7th and 8th Grade who have shown his mathematical ability in 6th and 7th Grade. The online version of this course has a Part A and Part B. Students must complete Part A Semester 1 before taking Part B Semester 2.

## CEL Keystone Algebra B

1.00 Credit

Semester Course
Offered Grades: 9, 10
Prerequisites: None

## 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, graphical 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. (Keystone Algebra 1 is also offered to students in 7th and 8th Grade who have shown his mathematical ability in 6th and 7th Grade. The online version of this course has a Part A and Part B. Students must complete Part A Semester 1 before taking Part B Semester 2.

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

## EL Geometry

1.00 Credit

Semester Course
Offered Grades: 10, 11
Prerequisites: Successful Completion of Keystone Algebra or Algebra I

## Course Description:

Geometry builds upon students' command of geometric relationships and formulating mathematical arguments. Students learn through discovery and application, developing the skills they need to break down complex challenges and demonstrate their knowledge in new situations. Course topics include reasoning, proof, and the creation of sound mathematical arguments; points, lines, and angles; triangles and trigonometry; quadrilaterals and other polygons; circles; congruence, similarity, transformations, and constructions; coordinate geometry; three-dimensional solids; and applications of probability.

## EL Honors Geometry

### 1.00 Credit (Weighted)

## Semester Course

Offered Grades: $9,10 \& 11$
Prerequisites: Successful Completion of Keystone Algebra or Algebra I

## Course Description:

Honors Geometry is a comprehensive course that provides an in-depth exploration of geometric concepts. Through a "Discovery-Confirmation-Practice"-based exploration of these concepts, students are challenged to work toward a mastery of computational skills, to deepen their understanding of key ideas and solution strategies, and to extend their knowledge in a variety of problem-solving applications. Course topics include reasoning, proof, and the creation of a sound mathematical argument; points, lines, and angles; triangles; quadrilaterals and other polygons; circles; coordinate geometry; and three-dimensional solids. The course concludes with a look at special topics in geometry, such as constructions, symmetry, tessellations, fractals, and non-Euclidean geometry. Note...Students who take Honors Geometry receive weighted credit.

## EL Algebra I

### 1.00 Credit

Semester Course
Offered Grades: 9,10
Prerequisites: none
Course Description:
Algebra I builds students' command of linear, quadratic, and exponential relationships. Students learn through discovery and application, developing the skills they need to break down complex challenges and demonstrate their knowledge in new situations. Course topics include problem-solving with basic equations and formulas; an introduction to functions and problem solving; linear equations and systems of linear equations; exponents and exponential functions; sequences and functions; descriptive statistics; polynomials and factoring; quadratic equations and functions; and function transformations and inverses. This course supports students as they develop computational fluency, deepen conceptual understanding, and apply mathematical knowledge. Students discover new concepts through guided instruction and confirm their understanding in an interactive, feedback-rich environment.

Offered Grades: 9, 10
Prerequisites: Successful Completion of Keystone Algebra or Algebra I

## Course Description:

Algebra II introduces students to advanced functions, with a focus on developing a strong conceptual grasp of the expressions that define them. Students learn through discovery and application, developing the skills they need to break down complex challenges and demonstrate their knowledge in new situations. Course topics include quadratic equations; polynomial functions; rational expressions and equations; radical expressions and equations; exponential and logarithmic functions; trigonometric identities and functions; modeling with functions; probability and inferential statistics; probability distributions; and sample distributions and confidence intervals.

Note...A TI-83 Plus or TI-84 graphing calculator is recommended. Upon completion of this course, students will be required to complete the Algebra I Keystone Exam.

## EL Honors Algebra II

### 1.00 Credit (Weighted)

Semester Course
Offered Grades: 9/ 10
Prerequisites: Successful Completion of Keystone Algebra or Algebra I

## Course Description:

Honors Algebra II is a comprehensive course that builds on the concepts covered in Algebra I and prepares students for advanced-level courses. Through a "Discovery-Confirmation-Practice"-based exploration of intermediate algebra concepts, students are challenged to work toward a mastery of computational skills, to deepen their understanding of key ideas and solution strategies, and to extend their knowledge in a variety of problem-solving applications. Course topics include conic sections; functions, relations, and their graphs; quadratic functions; inverse functions; and advanced polynomial functions. Students also cover topics relating to rational, radical, exponential, and logarithmic functions; sequences and series; and data analysis and probability.

Note...A TI-83 Plus or TI-84 graphing calculator is recommended. Upon completion of this course, students will be required to complete the Algebra I Keystone Exam.

## EL Pre-Calculus

### 1.00 Credit

Semester Course
Offered Grades: $10,11,12$
Prerequisites: Successful Completion of Keystone Algebra and Geometry

## Course Description:

Precalculus is a course that combines reviews of algebra, geometry, and functions into a preparatory course for calculus. The course focuses on the mastery of critical skills and exposure to new skills necessary for success in subsequent math courses. The first semester includes linear, quadratic, exponential, logarithmic, radical, polynomial, and rational functions; systems of equations; and conic sections. The second semester covers trigonometric ratios and functions; inverse trigonometric functions; applications of trigonometry, including vectors and laws of cosine and sine; polar functions and notation; and arithmetic of complex numbers.

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

# EL Honors Pre-Calculus 

### 1.00 Credit (Weighted)

Prerequisites: Successful Completion of Keystone Algebra and Geometry/Honors Geometry

## Course Description:

Honors Pre-calculus is a comprehensive course that weaves together previous study of algebra, geometry, and functions into a preparatory course for calculus. The course focuses on the mastery of critical skills and exposure to new skills necessary for success in subsequent math courses. The first semester includes linear, quadratic, exponential, logarithmic, radical, polynomial, and rational functions; systems of equations; and conic sections. The second semester covers trigonometric ratios and functions; inverse trigonometric functions; applications of trigonometry, including vectors and laws of cosine and sine; polar functions and notation; and arithmetic of complex numbers.

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

## GPEL Statistics

### 1.00 Credit

Semester Course
Offered Grades: 11, 12
Prerequisites: Successful Completion of Geometry AB or Equivalent Course

## Course Description:

The statistics course contains 40 lessons. Descriptive statistics topics include frequency distributions, histograms, graphs, and measures of center and spread. Probability topics include addition rules, multiplication rules, conditional probabilities, counting rules, binomial distribution, and normal distribution. Inferential statistics topics include estimations for population measures, hypothesis testing, correlation, goodness-of-fit, and statistical process control.

## EL Probability \& Statistics

1.00 Credit

Semester Course
Offered Grades: $10,11,12$
Prerequisites: Successful Completion of Keystone Algebra A/B (or Algebra II) and Geometry

## Course Description:

Probability and statistics provides a curriculum focused on understanding key data analysis and probabilistic concepts, calculations, and relevance to real-world applications. Through a "Discovery-Confirmation-Practice"-based exploration of each concept, students are challenged to work toward a mastery of computational skills, deepen their understanding of key ideas and solution strategies, and extend their knowledge through a variety of problem-solving applications. Course topics include types of data; common methods used to collect data; and the various representations of data, including histograms, bar graphs, box plots, and scatterplots. Students learn to work with data by analyzing and employing methods of prediction, specifically involving samples and populations, distributions, summary statistics, regression analysis, transformations, simulations, and inference. Ideas involving probability - including sample space, empirical and theoretical probability, expected value, and independent and compound events - are covered as students explore the relationship between probability and data analysis. The basic connection between geometry and probability is also explored.

# EL Mathematics of Personal Finance 

1.00 Credit

Offered Grades: 11, 12
Prerequisites: Successful Completion of Keystone Algebra A/B (or Algebra II) and Geometry

## Course Description:

Mathematics of personal finance focuses on real-world financial literacy, personal finance, and business subjects. Students apply what they learned in Algebra I and Geometry to topics including personal income, taxes, checking and savings accounts, credit, loans and payments, car leasing and purchasing, home mortgages, stocks, insurance, and retirement planning. Students then extend their investigations using more advanced mathematics, such as systems of equations (when studying cost and profit issues) and exponential functions (when calculating interest problems).

## EL AP Statistics

### 1.00 Credit (Weighted)

## Semester Course

Offered Grades: 11, 12
Prerequisites: Successful Completion of Honors Algebra $2 \&$ Pre-calculus/Honors Pre-calculus

## Course Description:

AP Statistics gives students hands-on experience collecting, analyzing, graphing, and interpreting real-world data. They will learn to effectively design and analyze research studies by reviewing and evaluating real research examples taken from daily life. The next time they hear the results of a poll or study, they will know whether the results are valid. As the art of drawing conclusions from imperfect data and the science of real-world uncertainties, statistics plays an important role in many fields. The equivalent of an introductory college-level course, AP Statistics prepares students for the AP exam and for further study in science, sociology, medicine, engineering, political science, geography, and business.

Note...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 $1 / 2$ the cost of the AP Exam.

## SCIENCE- ELANCONLINE

## EL Earth Science

1.00 Credit

Semester Course
Offered Grades: 9
Prerequisites: None

## Course Description:

Earth Science offers a focused curriculum that explores Earth's composition, structure, processes, and history; its atmosphere, freshwater, and oceans; and its environment in space.

Course topics include an exploration of the major cycles that affect every aspect of life, including weather, climate, air movement, tectonics, volcanic eruptions, rocks, minerals, geologic history, Earth's environment, sustainability, and energy resources.

## EL Chemistry

1.00 Credit

Offered Grade: 10
Prerequisites: None

## Course Description:

Chemistry offers a curriculum that emphasizes students' understanding of fundamental chemistry concepts while helping them acquire tools to be conversant in a society highly influenced by science and technology. The course provides students with opportunities to learn and practice critical scientific skills within the context of relevant scientific questions. Topics include the nature of science, the importance of chemistry to society, atomic structure, bonding in matter, chemical reactions, redox reactions, electrochemistry, phases of matter, equilibrium and kinetics, acids and bases, thermodynamics, quantum mechanics, nuclear reactions, organic chemistry, and alternative energy. Scientific inquiry skills are embedded in the direct instruction, wherein students learn to ask scientific questions, form and test hypotheses, and use logic and evidence to draw conclusions about concepts. Lab activities reinforce critical thinking, writing, and communication skills and help students develop a deeper understanding of the nature of science. Throughout this course, students are given an opportunity to understand how chemistry concepts are applied in technology and engineering.

## EL Honors Chemistry

Semester Course

### 1.00 Credit (Weighted)

Semester Course
Offered Grade: 10
Prerequisites: None

## Course Description:

Honors Chemistry offers a curriculum that emphasizes students' understanding of fundamental chemistry concepts while helping them acquire tools to be conversant in a society highly influenced by science and technology. The course provides students with opportunities to learn and practice critical scientific skills within the context of relevant scientific questions. Topics include the nature of science, the importance of chemistry to society, atomic structure, bonding in matter, chemical reactions, redox reactions, electrochemistry, phases of matter, equilibrium and kinetics, acids and bases, thermodynamics, quantum mechanics, nuclear reactions, organic chemistry, and alternative energy. Scientific inquiry skills are embedded in the direct instruction, wherein students learn to ask scientific questions, form and test hypotheses, and use logic and evidence to draw conclusions about the concepts. Lab activities reinforce critical thinking, writing, and communication skills and help students develop a deeper understanding of the nature of science. Throughout this course, students are given an opportunity to understand how chemistry concepts are applied in technology and engineering. Exploration activities challenge students to deconstruct scientific claims, analyze scientific articles, and suggest follow-up experiments or topics for further research.

## CEL Biology

1.00 Credit

Semester Course
Offered Grade: 11
Prerequisites: Chemistry

## Course Description:

This introductory, inquiry-based biology course builds on the scientific foundations developed in the preceding core science courses in 9th and/or 10th Grade. Students will gain an understanding of the biological sciences that enable them to develop an appreciation of all life forms that 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.

## EL Honors Biology

1.00 Credit (Weighted)

Semester Course
Offered Grade: 11
Prerequisites: Chemistry
Course Description:
This introductory, inquiry-based biology course builds on the scientific foundations developed in the preceding core science courses in 9th and/or 10th Grade. Students will gain an understanding of the biological sciences that enable them to develop an appreciation of all life forms that 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.

## EL Environmental Science

### 1.00 Credit

Offered Grades: 11, 12
Semester Course
Prerequisites: None

## Course Description:

Environmental Science explores the biological, physical, and sociological principles related to the environment in which organisms live on Earth, the biosphere. Course topics include natural systems on Earth, biogeochemical cycles, the nature of matter and energy, the flow of matter and energy through living systems, populations, communities, ecosystems, ecological pyramids, renewable and nonrenewable natural resources, land use, biodiversity, pollution, conservation, sustainability, and human impacts on the environment. The course provides students with opportunities to learn and practice scientific skills within the context of relevant scientific questions. Case studies of current environmental challenges introduce each content lesson and acquaint students with real-life environmental issues, debates, and solutions. Throughout this course, students are given an opportunity to understand how biology, earth science, and physical science are applied to the study of the environment and how technology and engineering are contributing solutions for studying and creating a sustainable biosphere.

## GPEL Astronomy

1.00 Credit

Semester Course
Offered Grades: 11, 12
Prerequisites: None

## Course Description:

Why do stars twinkle? Is it possible to fall into a black hole? Will the sun ever stop shining? Since the first glimpse of the night sky, humans have been fascinated with the stars, planets, and universe that surrounds us. This course will introduce students to the study of astronomy, including its history and development, basic scientific laws of motion and gravity, the concepts of modern astronomy, and the methods used by astronomers to learn more about the universe. Additional topics include the solar system, the Milky Way and other galaxies, and the sun and stars.

Using online tools, students will examine the life cycle of stars, the properties of planets, and the exploration of space.

## GPEL Biotechnology

### 1.00 Credit

Semester Course
Offered Grades: 11, 12
Prerequisites: None

## Course Description:

Can we bring back extinct species? Will the cures for cancer, malaria, and other diseases come from the combination of natural materials and new technologies? How is science changing the foods we eat? Welcome to the world of biotechnology! In this course, you will explore the history of biotechnology, including early attempts at food preservation, the development of antibiotics, and changes to food crops around the world. You will also learn more about some of the challenges of biotechnology, such as the growth of antibiotic resistant bacteria and questions about the safety of commercially produced genetically modified organisms (GMOs). Finally, you will research new biotechnologies and how they are changing the world we live in.

GPEL Environmental Science

### 1.00 Credit

## Course Description:

The Environmental Science course presents relationships between organisms and how these relationships relate to the functioning of ecosystems. Students learn the key concepts and processes of nutrient cycling, biomes, pollution, energy resources, and habitat destruction. The course also covers ways to promote biodiversity and create a sustainable future.

## SOCIAL STUDIES - ELANCONLINE

EL U.S. History - Since the Civil War \& EL Honors U.S. History - Since the Civil War (Weighted Credit) 1.00 Credit<br>Semester Course<br>Offered Grades: 9<br>Prerequisites: None

Course Description:
This course traces the nation's history from the end of the Civil War to the present. It describes the emergence of the United States as an industrial nation, highlighting social policy as well as its role in modern world affairs.

Students evaluate the attempts to bind the nation together during Reconstruction while also exploring the growth of an industrial economy. Moving into the 20 th and 21 st centuries, students probe the economic and diplomatic interactions between the United States and other world players while investigating how the world wars, the Cold War, and the "information revolution" affected the lives of ordinary Americans. Woven through this chronological sequence is a strong focus on the changing conditions of women, African Americans, and other minority groups.

# EL Economics 

0.50 Credit

Offered Grades: 11, 12
Prerequisites: None

## Course Description:

Economics offers a tightly focused and scaffolded curriculum that provides an introduction to key economic principles. The course covers fundamental properties of economics, including an examination of markets from both historical and current perspectives; the basics of supply and demand; the theories of early economic philosophers such as Adam Smith and David Ricardo; theories of value; the concept of money and how it evolved; the role of banks, investment houses, and the Federal Reserve; Keynesian economics; the productivity, wages, investment, and growth involved in capitalism; unemployment, inflations, and the national debt; and a survey of the global economy.

## EL World History \& EL Honors World History (Weighted Credit)

1:00 Credit
Offered Grades: 10
Prerequisites: None

## Course Description:

In World History, students learn to see the world today as a product of a process that began thousands of years ago when humans became a speaking, travelling, and trading species. Through historical analysis grounded in primary sources, case studies, and research, students investigate the continuity and change of human culture, governments, economic systems, and social structures. Students build and practice historical thinking skills, learning to connect specific people, places, events and ideas to the larger trends of world history. In critical reading activities, feedback-rich instruction, and application-oriented assignments, students develop their capacity to reason chronologically, interpret and synthesize sources, identify connections between ideas, and develop well-supported historical arguments. Students write throughout the course, responding to primary sources and historical narratives through journal entries, essays and visual presentations of social studies content. In discussion activities, students respond to the position of others while staking and defending their own claim. The course's rigorous instruction is supported with relevant materials and active learning opportunities to ensure students at all levels can master the key historical thinking skills.

GPEL Government
1.00 Credit

Offered Grades: 11
Prerequisites: None
Course Description:
This course covers the foundations of American government,political behavior, and the three branches of the federal government.

## EL Multicultural Studies

## Course Description:

Multicultural Studies is a one-semester elective history and sociology course that examines the United States as a multicultural nation. The course emphasizes the perspectives of minority groups while allowing students from all backgrounds to better understand and appreciate how race, culture and ethnicity, and identity contribute to their experiences. Major topics in the course include identity, immigration, assimilation and distinctiveness, power and oppression, struggles for rights, regionalism, culture and the media, and the formation of new cultures. In online Discussions and Polls, students reflect critically on their own experiences as well as those of others. Interactive multimedia activities include personal and historical accounts to which students can respond using methods of inquiry from history, sociology, and psychology. Written assignments and Journals provide opportunities for students to practice and develop skills for thinking and communicating about race, culture, ethnicity, and identity.

## EL Psychology

### 1.00 Credit

Semester Course
Offered Grades: 11, 12
Prerequisites: None

## Course Description:

Psychology provides a solid overview of the field's major domains: methods, biopsychology, cognitive and developmental psychology, and variations in individual and group behavior. By focusing on significant scientific research and on the questions that are most important to psychologists, students see psychology as an evolving social science. Each topic clusters around challenge questions, such as "What is happiness?" Students answer these questions before, during, and after they interact with direct instruction.

## EL Sociology

1.00 Credit

Semester Course
Offered Grades: 11, 12
Prerequisites: None
Course Description:
Sociology examines why people think and behave as they do in relationships, groups, institutions, and societies. Major course topics include individual and group identity, social structures and institutions, social change, social stratification, social dynamics in recent and current events, the effects of social change on individuals, and the research methods used by social scientists.

## EL U.S. Government and Politics

0.50 Credit
$1 / 2$ Semester Course
Offered Grades: 11, 12
Prerequisites: None

## Course Description:

In U.S. Government and Politics, students examine the history, principles, and function of the political system established by the U.S. Constitution. Starting with a basic introduction to the role of government in society and the
philosophies at the heart of American democracy, this course provides students with the knowledge needed to be informed and empowered participants in the U.S. political system.

Through critical reading activities, feedback-rich instruction, and application-oriented assignments, students develop their capacity to conduct research, analyze sources, make arguments, and take informed action. In written assignments, students address critical questions about U.S. politics and the role of individual Americans in the politics and political organizations. In discussion activities, students respond to political opinions, take a position, and defend their own claims. Formative and summative assessments provide students - and teachers - with ample opportunities to check in, review, and evaluate students' progress in the course.

## GPEL Anthropology

### 1.00 Credit

Semester Course
Offered Grades: 11, 12
Prerequisites: None

## Course Description:

The aim of anthropology is to use a broad approach to gain an understanding of our past, present, future and address the problems humans face in biological, social and cultural life. This course will explore the evolution, similarity and diversity of humankind through time. It will look at how we have evolved from a biologically and culturally weak species to one that has the ability to cause catastrophic change. Exciting online video journeys to different areas of the world will also be presented in the course.

## GPEL Business Law

1.00 Credit

Semester Course
Offered Grades: 11, 12
Prerequisites: None

## Course Description:

The course provides a survey of the principle areas of business law. It will explore the relationship between business and the law with respect to the following topics: torts, crimes, intellectual property, contracts, negotiable instruments, agency, employment, and forms of business organization. The relationship between business and law with respect to ethics and social responsibility, government regulation, personal property, real property, and international trade.

## GPEL Criminology

1.00 Credit

Semester Course
Offered Grades: 11, 12
Prerequisites: None

## Course Description:

In today's society, crime and deviant behavior are often one of the top concerns of society members. From the nightly news to personal experiences with victimization, crime seems to be all around us. In this course, we will explore the field of criminology or the study of crime. In doing so, we will look at possible explanations for crime from psychological, biological, and sociological standpoints, explore the various types of crime and their consequences for society, and investigate how crime and criminals are handled by the criminal justice system. Why do some individuals commit crimes but others don't? What aspects in our culture and society promote crime and deviance? Why do individuals receive different punishments for the same crime? What factors shape the criminal case process, from arrest to punishments?

## GPEL Economics

1.00 Credit

## Semester Course

Offered Grades: 11, 12
Prerequisites: None

## Course Description:

The Economics course contains 61 lessons and begins with an introduction of economics, including a review of the American free enterprise system. Students will then learn about markets, business and labor, and banking and finance in the microeconomics section. Next, they will learn about measuring economic performance, the government's role in the economy, and international trade and development in the macroeconomics section.

## GPEL Human Geography

1.00 Credit

Semester Course
Offered Grades: 11, 12
Prerequisites: None

## Course Description:

How do language, religion, and landscape affect the physical environment? How do geography, weather, and location affect customs and lifestyle? Students will explore the diverse ways in which people affect the world around them and how they are affected by their surroundings. Students will discover how ideas spread and cultures form, and learn how beliefs and architecture are part of a larger culture complex. In addition to introducing students to the field of Human Geography, this course will teach students how to analyze humans and their environments.

## GPEL Law \& Order

### 1.00 Credit

Semester Course
Offered Grades: 11, 12
Prerequisites: None

## Course Description:

Every purchase, lease, contract, marriage, divorce, arrest, crime or traffic violation places the citizen face-to-face with the law. Law \& Order is designed to provide students with an understanding of their legal rights and responsibilities.

## GPEL World Religions

1.00 Credit

## Semester Course

Offered Grades: 11, 12
Prerequisites: None

## Course Description:

Throughout the ages, religions from around the world have shaped the political, social, and cultural aspects of societies. This course focuses on the major religions that have played a role in human history, including Buddhism, Christianity, Confucianism, Hinduism, Islam, Judaism, Shintoism, and Taoism. Students will trace the major developments in these religions and explore their relationships with social institutions and culture. The course will also discuss some of the similarities and differences among the major religions and examine the connections and influences they have.

# WORLD LANGUAGES - ELANCONLINE 

## CEL Spanish I

1.00 Credit

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

## CEL Spanish II

### 1.00 Credit

Semester Course
Offered Grades: 9, 10, 11, 12
Prerequisites: Successful completion of Spanish I 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.

## EL French I

1.00 Credit

Offered Grades: 9, 10, 11, 12

## Prerequisites: None

## Course Description:

French I teaches students to greet people, describe family and friends, talk about hobbies, and communicate about other topics, such as sports, travel, and medicine. Each lesson presents vocabulary, grammar, and culture in context, followed by explanations and exercises. Vocabulary includes terms to describe school subjects, parts of the body, and people, as well as idiomatic phrases. Instruction in language structure and grammar includes the verb system, adjective agreement, formal and informal address, reflexive verbs, and past tense. Students also gain an understanding of the cultures of French-speaking countries and regions within and outside Europe, as well as insight into Francophone culture and people.

Note...EL French I is an APEX Learning High School (ALVS) course and is taught by an APEX teacher.

## EL French II

1.00 Credit

Semester Course
Offered Grades: 9, 10, 11, 12
Prerequisites: Successful completion of French I with a $70 \%$ or higher.

## Course Description:

French II teaches students to communicate more confidently about themselves, as well as about topics beyond their own lives - both in formal and informal address. Each lesson presents vocabulary, grammar, and culture in context,
followed by explanations and exercises. Vocabulary includes terms in cooking, geography, and architecture. Instruction in language structure and grammar includes present- and past-tense verb forms and uses, negation, and direct and indirect objects. Students deepen their knowledge of French-speaking regions and cultures by learning about history, literature, culture, and contemporary issues.

Note...EL French II is an APEX Learning Virtual School (ALVS) course and is taught by an APEX teacher.

## EL Latin I

1.00 Credit

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

## Course Description:

Since mastering a classical language presents different challenges from learning a spoken world language, students learn Latin through ancient, time-honored, classical language approaches, which include repetition, parsing, written composition, and listening exercises. These techniques, combined with a modern multimedia approach to learning grammar, syntax, and vocabulary, provide students with a strong foundation for learning Latin. Each unit consists of a new vocabulary theme and grammar concept, reading comprehension activities, writing activities, multimedia culture, history, and mythology presentations, and interactive activities and practices, which reinforce vocabulary and grammar. There is a strong emphasis on engaging with authentic classical Latin through weekly encounters with ancient passages from such prestigious authors as Virgil, Ovid, and Lucretius. The curriculum concurs with the Cambridge School of Latin; therefore, students will learn ancient high classical styles of pronunciation and grammar in lieu of generally less sophisticated medieval styles, making it possible for students to comprehend the most Latin from the widest range of time periods. Students should expect to be actively engaged in their own language learning, become familiar with common vocabulary terms and phrases, comprehend a wide range of grammar patterns, understand and analyze the cultural and historical contexts of the ancient sources they study, and take frequent assessments where their language progression can be monitored.

Note...EL Latin I is an APEX Learning Virtual School (ALVS) course and is taught by an APEX teacher.

## EL Latin II

1.00 Credit

Grades: $9,10,11,12$
Prerequisites: Successful completion of Latin I with a 70\% or higher.

## Course Description:

Students continue with their study of Latin through ancient, time-honored, classical language approaches, which include repetition, parsing, written composition, and listening exercises. These techniques, combined with a modern multimedia approach to learning grammar, syntax, and vocabulary, prepare students for a deeper study of Latin. Each unit consists of a new vocabulary theme and grammar concept, reading comprehension activities, writing activities, multimedia culture, history, and mythology presentations, and interactive activities and practices, which reinforce vocabulary and grammar. The emphasis is on reading Latin through engaging with myths from the ancient world, which are presented in Latin. The curriculum concurs with the Cambridge School of Latin; therefore, students will learn ancient high classical styles of pronunciation and grammar in lieu of generally less sophisticated medieval styles, making it possible for students to comprehend the most Latin from the widest range of time periods. Students should expect to be actively engaged in their own language learning, understand and use common vocabulary terms and phrases, comprehend a wide range of grammar patterns, understand and analyze the cultural and historical contexts of the ancient sources they study, and take frequent assessments where their language progression can be monitored.

Note...EL Latin II is an APEX Learning Virtual School (ALVS) course and is taught by an APEX teacher.

# HEALTH \& PHYSICAL EDUCATION ELANCONLINE 

## EL Physical Education

1.00 Credit

Semester Course
Offered Grades: 9-12
Prerequisites: None

## Course Description:

Physical Education combines the best of online instruction with actual student participation in weekly cardiovascular, aerobic, and muscle toning activities. The course promotes a keen understanding of the value of physical fitness and aims to motivate students to participate in physical activities throughout their lives. Specific areas of study include: cardiovascular exercise and care, safe exercising, building muscle strength and endurance, injury prevention, fitness skills and FITT benchmarks, goal setting, nutrition and diet (vitamins and minerals, food labels, evaluation product claims, etc.), and stress management. Note...EL Physical Education has a Polar A360 fitness watch component.

## EL Health

### 0.50 Credit

0.5 Semester Course

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

## Course Description:

Skills for Health is a valuable, skills-based health education course designed for general education in Grades 9 through 12. Health helps students develop knowledge, attitudes, and essential skills in a variety of health-related subjects, including mental and emotional health, social health, nutrition, physical fitness, substance use and abuse, disease prevention and treatment, and injury prevention and safety. Through use of accessible information, realistic interactivities, and project-based learning, students apply the skills they need to stay healthy. These skills include identifying and accessing valid health information, practicing self-management, identifying internal and external influences, communicating effectively, making healthy decisions, setting goals, and advocating. Students who complete Health build the skills they need to protect, enhance, and promote their own health and the health of others.

## CEL Lifetime Physical Activity

1.00 Credit

Semester Course
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.

# BUSINESS EDUCATION - ELANCONLINE 

## CEL Seminar 9

### 0.50 Credit <br> Offered Grades: 9 <br> Prerequisites: None <br> Course Description:

The major focus of Seminar 9 is to begin career development activities, to prepare for entry level employment and to learn digital communication proficiencies. Students will explore careers through personality surveys and research and learn how to search for and apply for entry level jobs. In addition, students will develop computer application skills for success in post-secondary education, personal applications and in the workplace. The understanding of proper formatting and proofreading will be emphasized to convey a professional message within every project created.

## CEL Seminar 10

0.50 Credit
0.5 Semester Course

Offered Grades: 10
Prerequisites: None

## Course Description:

Seminar 10 continues to build on the career development activities learned in Seminar 9. Students learn how to create professional documents used when applying for jobs and begin to explore entrepreneurial and banking concepts through research and individual and collaborative projects. In addition, students will develop computer application skills for success in post-secondary education, personal applications and in the workplace. The understanding of proper formatting and proofreading will be emphasized to convey a professional message within every project created.

## EL Business Applications

1.00 Credit

Offered Grades: 9, 10, 11, 12
Prerequisites: None
Course Description:
Business Applications prepares students to succeed in the workplace. Students begin by establishing an awareness of the roles essential to an organization's success and then work to develop an understanding of professional communications and leadership skills. In doing so, students gain proficiency with word processing, email, and presentation management software. This course allows students to explore careers in business while learning skills applicable to any professional setting. Through a series of hands-on activities, students will create, analyze, and critique reports, letters, project plans, presentations, and other professional communications. Regular engagement in active learning ensures students can continually refine the skills necessary to prepare them for work. In addition, students will evaluate the qualifications required for specific careers so they can identify opportunities that are of interest to them. Business Applications is an introductory level career and technical education course applicable to programs of study in business, management, and administration; information technology; and other career clusters.

## EL Financial Literacy

1.00 Credit

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

## Course Description:

Financial literacy helps students recognize and develop vital skills that connect life and career goals with personalized strategies and milestone-based action plans. Students explore concepts and work toward a mastery of personal finance skills, deepening their understanding of key ideas and extending their knowledge through a variety of problem-solving applications. Course topics include career planning; income, taxation, and budgeting; savings accounts, checking accounts, and electronic banking; interest, investments, and stocks; cash, debit, credit, and credit scores; insurance; and consumer advice on how to buy, rent, or lease a car or house.

## EL Principles of Business, Marketing, and Finance

1.00 Credit

Semester Course
Offered Grades: 9, 10, 11, 12
Prerequisites: Introduction to Business and Marketing or Equivalent Course

## Course Description:

Principles of Business, Marketing, and Finance provides the knowledge and skills students need for careers in business and marketing. Students begin exploring roles and functions that business and marketing play in a global society, develop an understanding of the marketplace, as well as understanding product placement and promotion. Students analyze the impact of government, legal systems, and organized labor on business; develop an understanding of business communications and management; and explore legal, ethical, and financial issues in business and marketing. Furthermore, students delve into basic economic concepts including personal finance, economic systems, cost-profit relationships, and economic indicators and trends. Using hands-on activities, students reinforce, apply and transfer academic knowledge and skills to a variety of interesting and relevant real-world inspired scenarios. This course focuses on developing knowledge and skills around marketing, pricing, distribution and management, while also focusing on economics and interpersonal skills. This course also addresses exploring career options in business and marketing as well as securing and keeping a job. Principles of Business, Marketing, and Finance is a full-year career and technical course for programs of study in business administration and management.

## GPEL International Business

### 1.00 Credit

Semester Course
Offered Grades: 9, 10, 11, 12
Prerequisites: None

## Course Description:

From geography to culture, global business is an exciting topic in the business community today. This course is designed to help students develop the appreciation, knowledge, skills, and abilities needed to live and work in a global marketplace. It takes a global view on business, investigating why and how companies go international and are more interconnected. The course further provides students a conceptual tool by which to understand how economic, social, cultural, political, and legal factors influence both domestic and cross-border business. Business structures, global entrepreneurship, business management, marketing, and the challenges of managing international organizations will all be explored in this course. Students will cultivate a mindfulness of how history, geography, language, cultural studies, research skills, and continuing education are important in both business activities and the 21st Century.

## 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
669 East Main Street
New Holland, PA 17557
www.elanco.org


[^0]:    * $=$ Keystone Exam

