

KENNARD-DALE HIGH SCHOOL

COURSE CATALOG

2023-2024



KENNARD-DALE HIGH SCHOOL

393 Main Street
Fawn Grove, Pennsylvania 17321
www.sesdweb.net
717-382-4871 (Phone)
717-382-4869 (Fax)

Dr. Heather C. Venné, Principal

Dr. Chad L. Brindle, Assistant Principal of Learning

Mr. Todd W. Mulder, Assistant Principal

It is the policy of the South Eastern School District not to discriminate based on race, creed, national origin, religious belief, political affiliation, handicap, or gender. This practice is in accord with Title VI of the Civil Rights Act of 1964, Title IX of the Educational Amendment of 1972, and Section 504 of the Rehabilitation Act of 1973.

During the next few weeks, you will be making decisions and choosing courses to prepare yourself for the future. The COURSE CATALOG is prepared to help you in the selection of courses. School counselors and teachers who know you well are ready and willing to assist you in this important endeavor. Please discuss your selections with your parents/guardians, teachers, and others whose opinions you value. Consider your interests, career plans, and your abilities. You are encouraged to plan a schedule that will be the springboard to continuous progress and success.

COURSE SELECTION PROCEDURE

1. Students must select courses as described in the COURSE CATALOG.
2. Elective courses in the COURSE CATALOG may be selected if prerequisite courses and grade level requirements are met and the student has parental/guardian and faculty approval.
3. Courses are selected on a semester or full-year basis as listed in this publication.
4. In all sequential disciplines, a student must satisfactorily complete (pass) the earlier course before beginning the next one. Individual course requirements are noted in the COURSE CATALOG.
5. Students failing a required course for graduation will repeat that same course. The only exception is a teacher's recommendation to take a lower-level course based on the student's work for that year. Either way, summer school is suggested so the student will stay on track towards their expected graduation date.
6. Every effort will be made to schedule a student for the courses requested. In the event of insufficient registration, staffing, or facility limitations, the administration reserves the right to cancel any course or limit enrollment. Preference will be given first to seniors and then to juniors, sophomores and freshmen.
7. Some courses may change with each year's publication of the COURSE CATALOG.

COURSE SELECTION SCHEDULE

The Course Catalog can be found on the Kennard-Dale High School Home page at kdhs.sesdweb.net. Instructions for Online Course Selection will be provided to each student. If internet access is not available at home, students are asked to contact their Counselor to schedule a time to meet with them.

SCHEDULE CHANGE PROCEDURE

Thursday, August 31, 2023, will be the last date a student can request changes in course selections for 2023-2024. This includes level changes and elective changes. After August 31st all schedules are FINAL.

Kennard-Dale High School's schedule change procedure is intended to encourage students and their families to carefully consider course selections PRIOR to requesting them. Thorough contemplation should be given to next year's courses BEFORE and DURING the course selection process.

If you would like to request a change for one of the reasons listed below, please contact the School Counseling Office immediately. All changes must be requested by Thursday, August 31, 2023. This cut-off date provides ample time for students and parents to review the assigned classes and submit requests for any changes. Scheduled courses will not be dropped or added without parent/guardian, teacher, school counselor, and administrative approval.

Students will only be permitted to request a change of courses for the following reasons:

- Missing course/period
- Courses out of sequence (ex. Drawing II before Drawing I)
- Lack of prerequisite
- Post-secondary requirements (Seniors ONLY)
- Dual Enrollment/Work Program/Internship/Externship
- Summer school course successfully completed (Counselor must receive a final grade report.)

In the event of extenuating circumstances, a Counselor must be notified immediately. If the Counselor determines that it is an extenuating circumstance, they will present the information to an Administrator for consideration. Late schedule changes require Administrative approval and are granted only at their discretion.

USER'S GUIDE

<u>TOPIC</u>	<u>PAGE</u>
Academically Gifted and Talented Students and Course Offerings	10
Advanced Placement Courses	6
Class Ranking and Grade Calculations	8
College In The Classroom	6
Course Directory	62-64
Cyber Opportunities for Students	6
Dual Enrollment	6
Elective Courses Credit Eligibility	8
Financial Aid	7
Grading System	7
Graduation Requirements	4
Guidance Services	3
Honor Roll	7
Keystone Exams	4
Learning Support	5
NCAA Requirements – Information for College-Bound Athletes	9-10
Opportunities for Post-Secondary Education	7
Pupil Personnel Services	3
SAT/ACT Testing	4
Summer School	5
Weighted Grade Point Factors	8
York County School of Technology	6
Work Program	6

GUIDANCE SERVICES

The Kennard-Dale High School Counseling Department serves each student in a variety of ways. The primary purpose is to provide counseling services so that each student can be helped with academic, career, and personal concerns; to guide students in course selection; to assist students in career and college placement, and to coordinate and maintain a record of student progress. Information is provided to students through large and small group meetings, morning announcements, and individual conferences.

Counseling with students is the foremost objective of the School Counseling Department. The role of the School Counseling Department is to assist students in recognizing their talents and abilities, as well as their needs. Recommending courses of study for students in direct relationship to the unique abilities and career interests of each student is the primary goal of the Guidance Department. Students are encouraged to make individual appointments as needed.

Standardized testing includes achievement tests, PSAT, SAT, Keystone Exams, and the ASVAB (Armed Services Vocational Aptitude Battery). An analysis of the results of these tests is used as a tool in the career decision-making process.

Post-graduate planning is available to any student. Students are invited to review or re-evaluate their program of study and plans for after graduation. Students and parents are invited to meet with a counselor to discuss preparing for the world of work, trade or technical school, or college.

PUPIL PERSONNEL SERVICES

Pupil personnel services are available at Kennard-Dale High School to help our students live rich, full lives that are intellectually, emotionally, and socially sound. Pupil personnel services are developed and implemented by a team of highly competent professionals. The South Eastern School District provides classroom teachers, school counselors, nurses, psychologists, district social workers, administrators, and dental and medical personnel to assist students.

KEYSTONE EXAMS

Students are required to pass the Algebra I, Biology, and English Literature Pennsylvania Keystone Exams, or meet the Keystone Alternate Pathways to graduate. Additional Pennsylvania Keystone exams may be added by the State pending funding.

** Students who successfully pass the Algebra Keystone Exam and the Algebra I class in Middle School will receive one high school math credit for Algebra I.*

SAT/ACT TESTING

The **2023-2024 test dates and registration deadlines** can be found on the following websites or in the Guidance Department.

- SAT I and SAT Subject Tests at www.collegeboard.org
- ACT Assessment test www.actstudent.org

GRADUATION REQUIREMENTS

All students of Kennard-Dale High School will be granted a diploma upon completion of all credit requirements with the recommendations of the appropriate faculty and the approval of the District Superintendent and the Board of School Directors. To become eligible for graduation, a student must earn 26 credits.

- 4.0 credits in English (must include English 9, 10, 11, and 12)
- 3.0 credits in Social Studies (must include US Studies II, Civics and Economics, Cultural Geography)
- 4.0 credits in Mathematics (must include Algebra I and Geometry)
- 4.0 credits in Science (must include Integrated Science, Biology, and a Physical Science credit-either Chemistry or Physics)
- 1.0 credit in Fine Arts
- 1.5 credits in Physical Education
- 0.5 credit in Health Education
- 1.0 credit in Technology
- 7.0 credits in Electives

ACT 158 OF 2018

Act 158 of 2018 provides alternatives to Pennsylvania's statement requirement of attaining proficiency on the three end-of-course Keystone Exams (Algebra I, Biology, and Literature) for a student to achieve statewide graduation requirements.

Effective with the graduating class of 2023, students have the option to demonstrate postsecondary preparedness through one of four additional pathways that more fully illustrate college, career, and community readiness. Keystone Exams will continue as the statewide assessment Pennsylvania uses to comply with accountability requirements outlined in the federal Every Student Succeeds Act (ESSA). Although students will no longer be required to achieve proficiency on the Keystone Exams to meet statewide graduation requirements, **students must take the Keystone Exams for purposes of federal accountability**. Failure to do so will affect a Local Education Agency (LEA) and the school's participation rate.

Students who opt out of one or more Keystone Exams must still meet state and local graduation requirements through one of three pathways: CTE Concentrator, Alternative Assessment, or Evidence-Based.

This information is from the Pennsylvania Department of Education website.

ACT 158 – PATHWAYS TO GRADUATION

Act 158 of 2018 provides alternatives to Pennsylvania's requirement of attaining proficiency on the three end-of-course Keystone exams (Algebra I, Literature, and Biology) for a student to meet statewide graduation requirements. Effective with the Class of 2023, Act 158 establishes five pathways for students to demonstrate college, career, and community readiness.

Pathway 1 – Keystone Proficiency Pathway: Scoring Proficient or Advanced on each of the Keystone exams – Algebra I, Literature, and Biology.

Pathway 2 – Keystone Composite Pathway: Scoring Proficient or Advanced on at least one Keystone exam and scoring at least Basic on the other two Keystone exams with a minimum composite score of 4452.

Pathway 3 – Career and Technical Education (CTE) Concentrator: Earning a passing grade in the courses associated with each of the Keystone exams on which a score of Proficient was not achieved AND attainment of an industry-based competency certification related to the CTE Concentrator's program of study or demonstration of a high likelihood of success on an approved industry-based competency assessment or readiness for continued meaningful engagement in the CTE Concentrator's program of study.

Pathway 4 – Alternate Assessment Pathway: Earning a passing grade in the courses associated with each of the Keystone exams on which a score of Proficient was not achieved AND one of the following:

- Attainment of an established score on an approved alternate assessment:
 - SAT score of 1010
 - PSAT score of 970
 - ACT score of 21
 - ASVAB – the minimum score needed to gain admittance to a branch of the armed services in the year the student graduates.
- Attainment of a 3 or higher on an Advanced Placement test in the content area associated with each Keystone exam in which a score of Proficient was not achieved
- Successful completion of a concurrent enrollment course (Dual Enrollment or College in the High School) in the area associated with each Keystone exam in which a score of Proficient was not achieved
- Successful completion of a pre-apprenticeship program
- Acceptance to an accredited 4-year nonprofit institution of higher education and evidence of the ability to enroll in college-level coursework

Pathway 5 – Evidence Based Pathway: Earning a passing grade in the courses associated with each of the Keystone exams on which a score of Proficient was not achieved AND demonstrating three pieces of evidence consistent with the student's goals and career plans, including one of the following:

- Attainment of a 3 or higher on an Advanced Placement test
- Acceptance to an accredited nonprofit institution of higher education other than a 4-year institution and evidence of the ability to enroll in college-level coursework
- Attainment of an industry-recognized credential
- Successful completion of a concurrent enrollment course

Two additional pieces of evidence, including:

- One or more of the options listed above
- Attainment of Proficient or Advanced on a Keystone exam
- A letter guaranteeing full-time employment (averaging at least 30 hours per week or 130 hours per month)
- A certificate of successful completion of an internship or cooperative education program
- Satisfactory compliance with the NCAA's core courses for college-bound student-athletes with a minimum grade point average (GPA) of 2.0

SUMMER SCHOOL

Information on courses and schedules will be available in the School Counseling Office by the end of the school year.

LEARNING SUPPORT

Special Education courses and support services are available to meet the needs of individuals who have been identified by a licensed psychologist as having a disability that interferes with the learning process. Learning support classes are designed to follow the regular education curriculum while incorporating the development of basic life skills. These courses are available to students who have an Individualized Educational Plan (IEP) indicating a need for specially designed instruction.

CYBER OPPORTUNITIES FOR STUDENTS

Kennard-Dale High School students continue to use online learning courses to provide a variety of learning opportunities including, but not limited to, credit recovery, enrichment, homebound instruction, and alternative education through the SEDS Online Academy.

YORK COUNTY SCHOOL OF TECHNOLOGY

Any student who resides within any of the fourteen participating school districts may apply to attend the York County School of Technology. The school has an open admissions policy in effect for Career Academies and vocational/technical programs in which there are sufficient openings available for all students who apply and meet the admissions criteria as outlined in this policy. The School admits qualified applicants without regard to an applicant's color, gender, national origin, race, religion, sexual orientation, or disability.

WORK PROGRAM

To be considered for this program, students need to begin the application process during the regular course selection scheduling time frame. Students need to inform their school counselor in February that they are interested in the Work Program. To be approved, students need to have their application and their supervisor's three clearances turned in to the Work Program Coordinator by May 31, 2023, before the start of the upcoming school year. Students are also required to complete the Career Readiness or Career Management course before or in conjunction with the Work Program. All materials for this program can be found at the end of this catalog on pages 65-74.

ADVANCED PLACEMENT COURSES

An Advanced Placement course leads to the College Entrance Examination Board (CEEB) Advanced Placement (AP) Exam. Students may enroll in Advanced Placement courses based on past academic performance and teacher recommendation.

Successful completion of an AP course will prepare students for the national CEEB Advanced Placement Test given in May 2023. All students who take an AP course have the option of taking the corresponding AP exam. Advanced Placement standing in college may be awarded based on scores earned by students on the AP test. AP courses are considered to be equivalent to first-year college courses.

COLLEGE IN THE CLASSROOM

A program designed to provide high school students the opportunity to take college classes offered during the regular school day at Kennard-Dale. Students will earn both high school and college credits upon successful completion of the course requirements established by the college. Additional information will be available in the School Counseling Office. Costs for courses will be at the student's expense. Please refer to each subject's Course Descriptions for specific classes offered and costs associated with each course. Placement testing may be required.

DUAL ENROLLMENT

Qualified high school juniors and seniors can take college credit courses and receive both high school and college credit simultaneously. College courses can be taken in the morning or afternoon depending on the student's high school schedule and the availability of the college courses that the student wishes to take. Some colleges allow students to take online, evening, or Saturday classes. The cost of the college course will be at the student's expense.

To qualify for the Dual Enrollment program, students must meet eligibility requirements set by the high school and the college the student is planning to attend. Minimally, students must have a 3.0 cumulative GPA and may need to pass a college-level placement test which would be given by the college the student wishes to attend. Students can take entry-level courses.

Students who do choose to participate in the program will receive **both** high school and college credits. Students can elect to take a course at the college level instead of taking it at the high school level to fulfill a graduation requirement. For example, instead of taking Psychology at Kennard-Dale, a student may take it at one of the

colleges and earn 1.0 high school credits AND 3.0 college credits. Please see your school counselor if you are interested in this opportunity.

EXAMPLES OF TYPICAL DUAL ENROLLMENT COURSES

- English Composition
- Concepts of Sculpture
- General Psychology
- American Government
- Western Civilization
- Introduction to Philosophy
- Analytical Reading/Writing
- Introduction to Anthropology
- College Algebra
- Elementary Russian
- Biology I
- Pre-Calculus/Calculus I
- General Physics
- General Chemistry
- Introduction to Software for Business
- Horticulture Science I
- Introduction to PowerPoint
- Agribusiness
- English Composition I

OPPORTUNITIES FOR POST-SECONDARY EDUCATION

Varied educational opportunities are available for high school graduates. Some of these include apprenticeships, armed forces, colleges, and technical schools. The Guidance Department provides students with information on various types of post-secondary education and institutions that offer these opportunities.

Academic preparation necessary for college entrance will vary depending on the career goals and aspirations of the student, just as the requirements of schools, colleges, and universities vary from program to program.

FINANCIAL AID

Financial Aid is the term that includes scholarships, grants, loans, and part-time jobs that may make it possible to continue with post-high school education. Students who are interested in Financial Aid information should secure the proper application forms from the institutions that interest them. State and Federal financial aid information is available from the Guidance Department or visit www.studentaid.ed.gov. A Financial Aid Night is offered at Kennard-Dale High School each year.

GRADING SYSTEM

<u>Letter Grade</u>	<u>Percent</u>	<u>Description/Explanation</u>
A+	97-100	<u>Excellent:</u> indicates outstanding work characterized by skillful organization and thorough understanding.
A	93-96	
A-	90-92	
B+	87-89	<u>Above Average:</u> indicates a better quality of work, characterized by careful preparation.
B	83-86	
B-	80-82	
C+	77-79	<u>Average:</u> indicates that the required work has been completed, but there is room for improvement through more careful preparation and presentation.
C	73-76	
C-	70-72	
D+	67-69	<u>Below Average:</u> the lowest passing mark for work which barely meets requirements.
D	63-66	
D-	60-62	
F	Below 60	<u>Failure:</u> indicates failing work.

WEIGHTED GRADE POINT FACTORS

For Courses of Various Values of Difficulty

Letter Grade	1.0 Unweighted	1.1 College Prep	1.2 Honors	1.3 AP/College
A+	4.3	4.73	5.16	5.59
A	4.0	4.4	4.8	5.2
A-	3.7	4.07	4.44	4.81
B+	3.3	3.63	3.96	4.29
B	3.0	3.3	3.6	3.9
B-	2.7	2.97	3.24	3.51
C+	2.3	2.53	2.76	2.99
C	2.0	2.2	2.4	2.6
C-	1.7	1.87	2.04	2.21
D+	1.3	1.43	1.56	1.69
D	1.0	1.1	1.2	1.3
D-	0.7	.77	.84	.91
F	0	0	0	0

Weighted values are listed with each course description.

CLASS RANKING AND GRADE CALCULATIONS

Class rank is the position of any one student in a graduating class in relation to all other students in that class based on a weighted grade point average (GPA). Class rank may be one of the criteria the colleges use to determine acceptance. When applicants from different high schools are being considered for college admission it is highly desirable to have courses weighted to avoid misinterpretation as to the level of difficulty of a course.

Use the following procedure to compute a grade point average:

1. Convert the final grade earned in each course to the weighted grade equivalent using the chart above.
2. Multiply this value by the course credit to compute quality points.
3. Total the quality points and divide the sum by the total credits attempted.

Example: GPA calculations with final grades

<u>Course</u>	<u>Grade</u>	<u>Value</u>	<u>Attempted Credits</u>	<u>Quality Points</u>
English 11 CP	B	3.3	1.0	3.3
Geometry CP	A-	4.07	1.0	4.07
AP Physics I	B+	4.29	1.0	4.29
French II CP	B-	2.97	1.0	2.97
Cultural Geography Applied	C+	2.3	1.0	2.3
Physical Education/Health	A	4	0.5	2
		Sum:	5.5	18.93

$$18.93 \div 5.5 = 3.44 \text{ (GPA)}$$

ELECTIVE COURSES CREDIT ELIGIBILITY

Fine Arts: The following elective courses meet the Fine Arts credit requirement.

- Drama
- Art History
- Art I, II, III and IV
- Drawing I, II, and III
- Illustration
- Ink and Watercolor Media
- Digital Art
- Painting I and II
- Creative Advertising
- Digital Art
- Global Arts
- Musical Production Techniques
- Digital Music Production I, II, and III
- Music Theory
- AP Music Theory
- Choral Ensemble (Concert Choir)
- Choral/Instrumental Music
- Instrumental Music
- Voice Training
- Chorus
- American Popular Music

Technology: The following elective courses meet the Technology credit requirement.

- Media Production I and II
- Yearbook Robotics
- MS Word and Excel
- Python Programming
- Robotics I
- Web Design
- MS Powerpoint and Publisher
- Video Game Design
- Programming with JAVA
- Digital Music Production I, II, and III
- Musical Productions Techniques
- Digital Art
- Foundations of Technology
- 3D Animation
- Technical Education I
- Design Engineering/Problem Solving
- Architectural Drawing
- CADD I - Computer Aided Drafting and Design
- CADD II
- Metal Technology
- Wood Technology
- Manufacturing
- Furniture Repair/Refinishing
- Electronics
- Small Gas Engines
- Robotics

A grade point average of 3.9 or higher is required for the Distinguished Honor Roll.

A grade point average of 3.25 – 3.89 is required for the Honor Roll.

A grade of D, F, I, or W/F will automatically exclude a student from the Honor Roll.

NCAA REQUIREMENTS – INFORMATION FOR COLLEGE-BOUND ATHLETES

If you enroll in a Division I or Division II college and want to participate in athletics or receive an athletics scholarship during your first year, you will need to meet certain requirements as set by NCAA to be eligible. The requirements are:

NCAA Division I:

- Complete 16 NCAA core courses in high school as outlined in the table below.
- Complete 10 core courses, including 7 in English, math, or natural/physical science, before the start of your seventh semester. Once you begin your seventh semester, you may not repeat or replace any of those 10 courses for GPA improvement.
- Earn at least a 2.3 GPA in your core courses.
- Earn an SAT combined score or ACT sum score that matches your core-course GPA on the Division I sliding scale. The sliding scale is posted on the NCAA website: www.eligibilitycenter.org.
- Students who enroll full-time at a Division I school and have not met all the Division I academic requirements may not compete in their first year at college. However, if they qualify as an academic redshirt, they may practice during their first term in college and receive an athletics scholarship for the entire year. Go to the NCAA website for full details on qualifying as an academic redshirt.

NCAA Division II:

- Complete 16 high school core courses as outlined below.
- Earn at least a 2.2 GPA in your high school core courses.
- Earn the SAT or ACT score that matches your core-course GPA (minimum 2.2) on the Division II competition sliding scale posted on the NCAA website.

****Division II students who enroll full-time and have not met all the academic requirements may not compete in their first year at college. However, if they meet the requirements to be a partial qualifier, they may practice and receive an athletics scholarship for the entire year. Go to the NCAA website for full details.**

NCAA Division III:

While Division III schools do not offer athletic scholarships, 75% of Division III student-athletes receive some form of merit or need-based financial aid. If you are planning to attend a Division III school, you do not need to register with the NCAA Eligibility Center. Division III schools set their own admissions and eligibility standards. You can visit NCAA.org/d3 for more information.

Test Score Reminder: You may take the SAT or ACT as many times as you want before you enroll in college, but remember to list the NCAA Eligibility Center (code 9999) as a score recipient whenever you take a test. NCAA can only accept *official* test scores from SAT or ACT; scores listed on your high school transcript cannot be used.

Division I: 16 Core-Course Rule	Division II: 16 Core-Course Rule
<u>16 Core Courses:</u> 4 years of English 3 years of math (Algebra I or higher) 2 years of natural/physical science (1 year of lab) 1 year of additional English, math, or natural/physical science 2 years of social science 4 years of additional courses (from any area above, foreign language, or non-doctrinal religion/philosophy)	<u>16 Core Courses:</u> 3 years of English 2 years of math (Algebra I or higher) 2 years of natural/physical science (1 year of lab) 3 years of additional English, math, or natural/physical science 2 years of social science 4 years of additional courses (from any area above, foreign language, or non-doctrinal religion/philosophy)

PLEASE REFER TO THE NCAA WEBSITE TO CHECK WHICH KENNARD-DALE HIGH SCHOOL CORE COURSES ARE APPROVED BY NCAA.

ACADEMICALLY GIFTED AND TALENTED STUDENTS

The following courses are recommended for academically gifted and talented students. While it would be impossible for a student to take all of the courses listed, students are encouraged to request enrollment in courses of enrichment and courses which would best prepare them for post-secondary education and career plans. Please see the School Counselor or the Gifted Support Teacher for advice.

ACADEMICALLY GIFTED AND TALENTED COURSE OFFERINGS

<u>Course Number and Title</u>	<u>Recommended Grade</u>
<u>English</u>	
001 English 9 - Honors	9
008 English 10 - Honors	10
016 AP English 11 – Language and Composition	11
023 AP English 12 - Literature and Composition	12
038 English Composition I – HACC	12
750 Argument	11-12
<u>Social Studies</u>	
053 US Studies II - Honors	9
054 Civics and Economics - Honors	10
059 Cultural Geography - Honors	11
077 AP United States History	11-12
079 AP European History	11-12
751 Introduction to Psychology	11-12
<u>Mathematics</u>	
112 Algebra II - Honors	10-12
116 Geometry - Honors	9-12
122 Trigonometry/Pre-Calculus - Honors	11-12
128 AP Calculus (AB)	11-12
129 AP Calculus (BC)	11-12
754 Basic Applied Statistics	11-12
<u>Science</u>	

154	Integrated Science - Honors	9
156	Biology I - Honors	10-12
762	General Bio I	11-12
171	Chemistry I - Honors	10-12
175	AP Physics 1	10-12
324	Anatomy and Physiology - Honors	11-12
757	General Chemistry I	11-12
169	AP Physics 2	11-12
<u>Business</u>		
760	Python Programming	9-12
759	Programming with JAVA	10-12
254	Robotics I	9-12
255	Robotics II	10-12
<u>World Language</u>		
286	French V Honors	12
288	German V Honors	12
289	Spanish V Honors	12
758	French V Pitt	12
<u>Music</u>		
565	AP Music Theory	11-12

GENERAL COURSE OFFERINGS

Course Number	Course Title	Recommended Grade	Number of Semesters Per Year	Unit of Credits Per Year	Weighted Value Per Course
030	Gifted Seminar	9-12	1	0.5	P/F
037	Reading Intervention	9-12	1	0.5	1.0

GENERAL COURSE DESCRIPTIONS

030 GIFTED SEMINAR

0.5 Credit

Semester

Grades 9-12

Pass/Fail

Prerequisite: Current PA GIEP

Gifted Seminar is open to all students identified as gifted and who currently have a Pennsylvania GIEP. The purpose of the seminar is to provide these students the opportunity to identify, develop, and expand their interests and strengths. It also offers them time for interaction and collaboration with like-minded peers. The course may include discussion groups, independent study, enrichment opportunities, college/career exploration, and additional options. Students will be encouraged to develop a portfolio of accomplishments to be used with college applications and scholarships.

037 READING INTERVENTION

0.5 Credit

Semester

Grades 9-12

Weighted Value 1.0

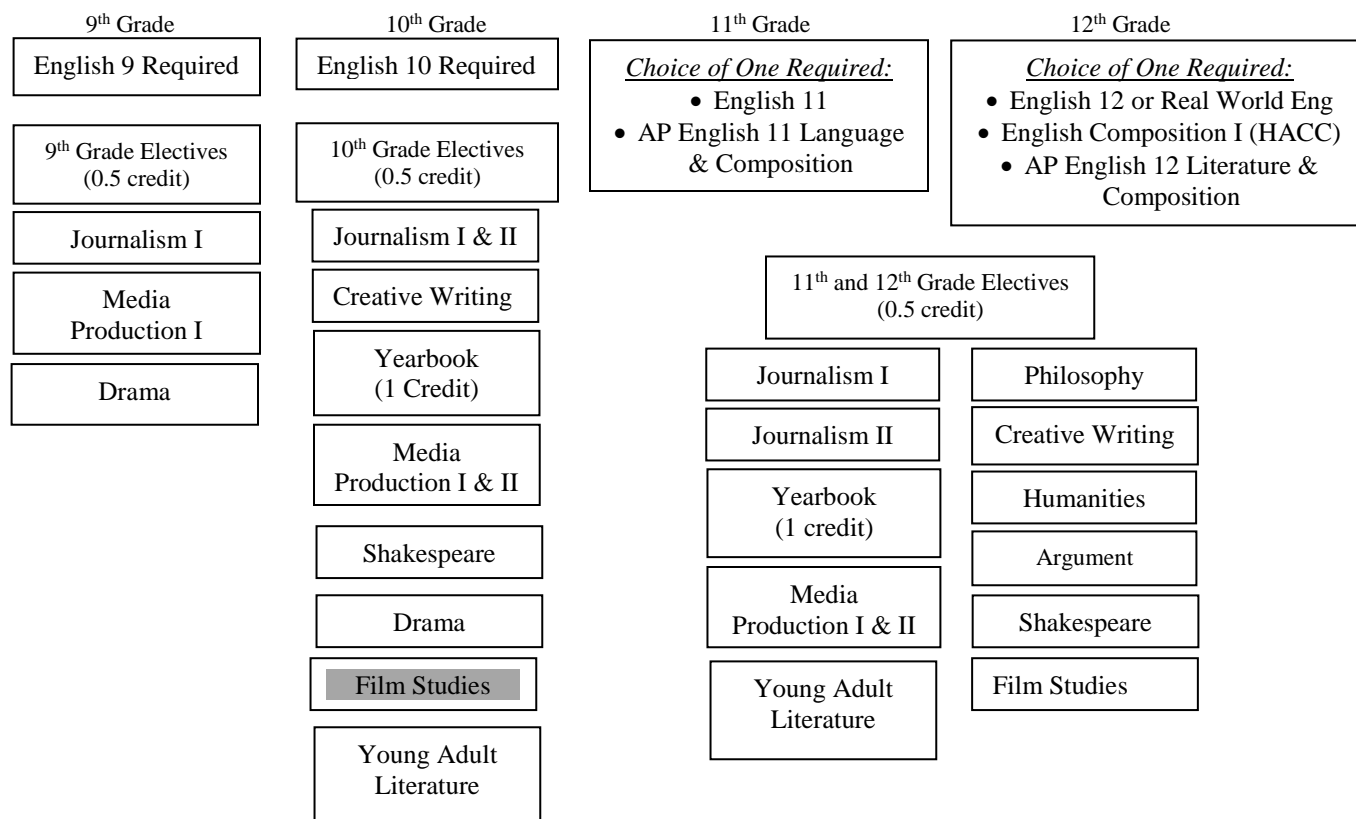
This course is designed for struggling readers. Students will use the Wilson Reading System™ program to enhance his/her foundational reading skills. This is a systematic, multisensory, research-based program designed for readers of all ages. The emphasis is on decoding (breaking words apart into syllables), encoding (spelling), fluency, and comprehension.

ENGLISH COURSE OFFERINGS

Course Number	Course Title	Recommended Grade	Number of Semesters Per Year	Unit of Credits Per Year	Weighted Value Per Course
001	English 9- Honors*	9	2	1.0	1.2
002	English 9- College Prep*	9	2	1.0	1.1
006	English 9 - Applied	9	2	1.0	1.0
008	English 10- Honors*	10	2	1.0	1.2
010	English 10- College Prep*	10	2	1.0	1.1
014	English 10 - Applied	10	2	1.0	1.0
018	English 11- College Prep.*	11	2	1.0	1.1
019	Real World English	12	2	1.0	1.0
021	AP English 11 Language & Composition *	11	2	1.0	1.3
022	English 11 - Applied	11	2	1.0	1.0
023	AP English 12 - Literature & Composition*	12	2	1.0	1.3
024	Journalism I	9-12	1 (Fall)	0.5	1.0
025	Philosophy	11-12	1	0.5	1.0
026	English 12- College Prep*	12	2	1.0	1.1
028	English 12 – Applied	12	2	1.0	1.0
029	Journalism II	10-12	1	0.5	1.0
034	Shakespeare	10-12	1	0.5	1.0
038	English Composition I (HACC)	12	1	1.0	1.3
039	Young Adult Literature	10-12	1	0.5	1.0
040	Creative Writing	10-12	1	0.5	1.0
042	Media Production II (KRAM)	10-12	1	0.5	1.0
043	Humanities	11-12	1	0.5	1.0
044	Drama	9-12	1	0.5	1.0
045	Film Studies	10-12	1	0.5	1.0
048	Yearbook	10-12	2	1.0	1.0
052	Media Production I (KRAM)	9-12	1 (Fall)	0.5	1.0
750	Argument	11-12	2	1.0	1.3

* Recommended for a college preparatory program.

RECOMMENDED ENGLISH COURSE SEQUENCE



ENGLISH COURSE DESCRIPTIONS

English - GRADE 9

In 9th-grade English, students will read various types of literature divided into five thematic units. The emphasis within these units will be placed on narrative elements (plot, character, point of view, setting, and theme) and reading comprehension and analysis skills. Students will practice writing skills through varied assignments and will be introduced to research skills and MLA format through several mini-research assignments.

001 ENGLISH 9 – HONORS

Grade 9

1 Credit

Full Year

Weighted Value 1.2

Recommended: 90% or better in 8th grade English and demonstration of advanced writing skills on a timed writing assessment

English 9 Honors is the first course for advanced academic study in literature in high school. This course and the honors sequence (10 Honors, 11 AP, and 12 AP) focus on critical reading skills with close readings of texts and refined writing skills with formal and informal writing assignments. Students can expect frequent class discussions focused on in-depth analysis of the texts and formal presentations on various aspects of the thematic units. Students should expect homework on a regular, though not necessarily daily, basis. This includes lengthy reading and writing assignments and other assignments as they pertain to the units of study. Students will also utilize supplemental online programs for the purpose of reinforcement of class concepts and benchmarking tools for Keystone Literature Exam preparation.

Students will have a required summer assignment for this course, which will emphasize critical reading and writing skills.

002 - ENGLISH 9 - COLLEGE PREP

Grade 9

1 Credit

Full Year

Weighted Value 1.1

Recommended: 70% or better in 8th grade English and teacher approval

English 9CP is an academic course in which students will engage in close reading to develop critical reading skills, explore different writing styles through formal and informal writing assignments, and express their ideas through class discussions and formal presentations. ***Students will be expected to complete outside reading on a regular, though not necessarily daily, basis, as well as other weekly homework assignments.*** Students will also utilize supplemental online programs for the purpose of reinforcement of class concepts and benchmarking tools for Keystone Literature Exam preparation.

006 - ENGLISH 9 - APPLIED

Grade 9

1 Credit

Full Year

Weighted Value 1.0

In the English 9 Applied class, students will study a variety of literature based on the thematic units, with an emphasis on developing reading, writing, and speaking skills. Students will continue to improve reading comprehension and writing skills through close reading and varied writing assignments related to the study of literature. Students will also utilize supplemental online programs for the purpose of reinforcement of class concepts and benchmarking tools for Keystone Literature Exam preparation. This class will be taught with the assistance of a learning support co-teacher or aide.

English - GRADE 10

English 10 involves the application of grammar, vocabulary, writing, and literature. In literature, students will apply their knowledge of the five narrative techniques used in 9th grade to a variety of genres and will utilize and interpret various other literary elements. The curriculum incorporates various texts that span American, British, and World literature. In writing, the curriculum stresses the application of the 5 domains of writing (focus, content, organization, style, and conventions), and students will be required to write in a variety of different contexts.

008 ENGLISH 10 – HONORS (*KEYSTONE TESTING SUBJECT)

Grade 10

1 Credit

Full Year

Weighted Value 1.2

Recommended: 90% or better in English 9 and English teacher approval

This course is for advanced English students and will emphasize critical reading and writing skills through the exploration of novel, short story, non-fiction, and dramatic texts organized into distinct thematic units. In this course, there will be a STRONG emphasis on individual work completed outside of class time and used as a platform for further discussion and analysis during time in class. Students in this course can expect most reading to be done outside of class time and should anticipate homework of some sort frequently. In addition, there will be a literary research and writing component in this course. English 10 Honors students will also be expected to complete summer work, which will entail the reading of a specific text and the accompanying response and analysis. Students will also utilize supplemental online programs for the purpose of reinforcement of class concepts and benchmarking tools for Keystone Literature Exam preparation.

010 ENGLISH 10 - COLLEGE PREP (*KEYSTONE TESTING SUBJECT) **Grade 10**

1 Credit

Full Year

Weighted Value 1.1

Recommended: 70% or better in English 9 and English teacher approval

This is an academically rigorous course where students will engage in four distinct thematic units over the course of the school year. Within these units, students will read both fiction and non-fiction texts – including novels, plays, news articles, short stories, memoirs, and poems – with a heavy focus on analysis of the texts. Writing assignments will range in scope from journal writing and creative writing to incorporating research. Students will be able to make connections between texts, as well as text-to-real-world-connections, upon the completion of this course. The course also integrates daily/weekly/unit vocabulary, speaking and listening skills, and cooperative learning. ***Homework should be expected on a regular, but not necessarily daily, basis. Homework will include reading, writing, and long-term projects.*** Students will also be required to complete a summative assessment at the conclusion of each unit. Throughout the course of the year, students will utilize supplemental online programs for the purpose of reinforcement of class concepts and benchmarking tools for Keystone Literature Exam preparation.

014 ENGLISH 10 – APPLIED (*KEYSTONE TESTING SUBJECT)

Grade 10

1 Credit

Full Year

Weighted Value 1.0

In this class, students work in a learning environment utilizing smaller groups with the assistance of a co-teacher or aide. The course focuses on four thematic units over the course of the school year. Students will read both fiction and non-fiction texts – including novels, plays, news articles, short stories, memoirs, and poems – with a combined focus on comprehension and some analysis. Writing assignments will range in scope from responding to the texts to incorporating research. A course goal will be the development and proficiency in the use of specific technical skills in both reading and writing. In addition, students will utilize supplemental online programs for the purpose of reinforcement of class concepts and benchmarking tools for Keystone Literature Exam preparation.

English - GRADE 11

English 11 is a study of primarily American literature that is divided into 4 thematic units. Students will study a variety of novels, nonfiction, poetry, plays, short stories, and media texts. Emphasis will be placed on the depth of understanding, analysis, and connections between the texts studied. Writing will be focused on organizational strategies and will include literary analysis, narrative, persuasion, and a short research paper.

021 AP ENGLISH 11: LANGUAGE AND COMPOSITION

Grade 11

1 Credit

Full Year

Weighted Value 1.3

Recommended: English 10 Honors or English teacher approval

From the College Board: The AP English Language and Composition course focuses on the development and revision of evidence-based analytic and argumentative writing, the rhetorical analysis of nonfiction texts, and the decisions writers make as they compose and revise. Students evaluate, synthesize, and cite research to support their arguments. Additionally, they read and analyze rhetorical elements and their effects in nonfiction texts, including images as forms of text, from a range of disciplines and historical periods. The AP English Language and Composition course aligns with an introductory college-level rhetoric and writing curriculum. Students should be able to read and comprehend college-level texts and write grammatically correct essays that demonstrate sophisticated thought.

018 ENGLISH 11 - COLLEGE PREP

Grade 11

1 Credit

Full Year

Weighted Value 1.1

Recommended: 70% or better in English 10 and English teacher approval

This is an academically rigorous course that focuses on thematic units that include novels, plays, non-fiction, short stories, poems, and media texts. There will be a focus on the analysis of these texts through class discussions, projects, research, and writing assignments. In addition, students will complete a research project. Students can expect regular, though not necessarily daily, homework. Reading will be done both in class and out of class. Upon completion of the course, students will be prepared for academic reading, thinking, speaking, listening, and writing that is moving towards the college level.

022 ENGLISH 11 - APPLIED

Grade 11

1 Credit

Full Year

Weighted Value 1.0

This is a course that is co-taught with a learning support teacher or aide and focuses on thematic units that include novels, plays, non-fiction, short stories, poems, and media texts. Students will continue to develop and become proficient in skills in reading and writing. There will be a focus on comprehension with some analysis of these texts through class discussions, small group work, projects, research, and writing assignments. Upon finishing the course, students will be prepared for academic reading, thinking, speaking, listening, and writing.

English - GRADE 12

English 12 presents a survey of English literature and world masterpieces. Students will use topics from literature and from their personal experiences and interests to develop compositions that serve as practice for grammar, usage, mechanics, and structure of language. All students will also complete a formal research paper.

023 AP ENGLISH 12: LITERATURE AND COMPOSITION

1 Credit

Full Year

Grade 12

Weighted Value 1.3

Recommended: A 90% or better in CP English and teacher approval

Literature and Composition is designed to be the equivalent of a freshman college course in literature and composition. The content of the course will include in-depth reading, discussing, and writing about short stories, novels, essays, poems, and plays from a myriad of cultures and literary periods. The course will include summer reading and writing assignments which will be graded along with the work of the first marking period. Upon completion of this course, students will be prepared to take the Advanced Placement Exam in Literature and Composition. Regardless of performance on the AP exam, however, a passing grade in the course is essential to receive credit toward Kennard-Dale graduation requirements. It is highly recommended that students take AP English 11 prior to this course.

038 ENGLISH COMPOSITION I (HACC) (COST: \$150)

1 Credit (+3 College Credits)

Semester

Grade 12

Weighted Value 1.3

(May be taken in lieu of any English 12 full year course.)

Prerequisite: Placement through the College Testing and Placement Program **or** completion of ENGL 051 (a remedial English course offered by HACC) with a grade of C or higher. Students may be exempt from the writing placement tests based on their SAT EBRW score. The fee for this course is the student's responsibility and the cost is subject to change at the discretion of the university. Financial aid is available on an as-needed basis.

In this course, students will develop fluency in writing clear, forceful, effective prose. Students enrolled in this course can earn three college credits from Harrisburg Area Community College (HACC). The HACC application is available in the Guidance Office.

026 ENGLISH 12 - COLLEGE PREP

1 Credit

Full Year

Grade 12

Weighted Value 1.1

Recommended: 70% or better in English 11 and English teacher approval

This is an academically rigorous course that focuses on four thematic units over the course of the school year. Students will read both fiction and non-fiction texts – including novels, plays, news articles, short stories, memoirs, and poems – with a heavy focus on analysis of the texts. Writing assignments will range in scope from responding to the texts to incorporating research. Students will be able to make connections between texts, as well as text-to-real-world-connections, upon the completion of this course. The course also integrates daily vocabulary, speaking and listening skills, and cooperative learning. Homework should be expected on a regular, but not necessarily daily, basis. Homework will include reading, writing, and long-term projects.

028 ENGLISH 12 – APPLIED

1 Credit

Full Year

Grade 12

Weighted Value 1.0

In this class, students work in a smaller learning environment often with the assistance of a co-teacher or aide. Due to the smaller learning environment, this class works to help individual students with their specific needs. The course focuses on four thematic units over the course of the school year. Students will read both fiction and non-fiction texts – including novels, plays, news articles, short stories, memoirs, and poems – with a combined focus on comprehension and analysis. Writing assignments will range in scope from responding to the texts to incorporating research. Students will be able to make connections between texts, as well as text-to-real-world-connections, upon the completion of this course. The course also integrates daily vocabulary, speaking and

listening skills, and cooperative learning. Most work is completed in class with the guidance of teachers, and homework, when given, will include reading, writing, and/or long-term projects.

019 REAL WORLD ENGLISH

1 Credit

Full Year

Grade 12

Weighted Value 1.0

This course is designed to support students interested in entering the workforce immediately after high school or interested in growing their English skills as they pertain to real work usage, such as media literacy, technical writing, e-mail, speaking etiquette, and reading for information. Additionally, the student will learn/improve upon various soft skills pertinent to career readiness such as interviewing and handwriting.

English – ELECTIVES

Elective credits will not count toward the four credits in English required for graduation; all are taken for enrichment beyond the content of the courses required for graduation.

024 JOURNALISM I

0.5 Credit

Semester (Fall)

Grades 9-12

Weighted Value 1.0

Recommended: 80% or better in the previous year's English class or teacher approval

Journalism I is an English elective course open to all grade levels of students who have demonstrated high aptitude and interest in writing. The objective of this course is to learn about the role of journalists in society as well as the rules and styles essential in creating a newspaper. Students will write in varying journalistic forms as well as peer-edit work. The final aspect of Journalism I will be the production of the final digital newspaper of that semester. This course is writing intensive and requires the completion of consistent homework as it is a fast-paced semester-long course.

025 PHILOSOPHY

0.5 Credit

Semester

Grades 11-12

Weighted Value 1.0

Recommended: 80% or better in the previous year's English class

This English elective allows Juniors and Seniors to explore the works and ideas of major philosophers, from the ancient Greeks to today's modern thinkers. The course will include the study of various topics such as knowledge, metaphysics (reality, religion, and human existence), ethics, logic, and more. Students have the ability to choose topics of study as a class and will learn primarily through comprehension and analysis of the written works of philosophers. A college-level textbook is used for this course. This course requires daily reading, writing, participation, and collaboration, with classroom discussion being an integral part of the course.

029 JOURNALISM II

0.5 Credit

Semester

Grades 10-12

Weighted Value 1.0

Recommended: 80% or better in the previous year's English class or teacher approval

Journalism II is an English elective that follows the successful completion of Journalism I. At this level, the students' objective is to write and publish the school's digital newspaper. Because students work as a staff to complete the paper, the course requires consistent attendance, student-monitored deadlines, and consistent work outside of class to complete interviews and finish stories. Students must self-pace and meet required due dates to produce the paper on a timely basis; as such, this class moves at a rigorous pace. The prerequisite of this course is the successful completion of Journalism I.

034 SHAKESPEARE

0.5 Credit

Semester

Grades 10-12

Weighted Value 1.0

Prerequisite: English teacher's approval

This course is designed for high-achieving English students and focuses on the reading and analysis of Shakespearean plays not found within the common curriculum. The course will be driven heavily by in-class close reading and discussion of the plays and their arrival at particular themes and the process of interpreting

Shakespearean language to determine meaning. In addition to plays, students will study sonnets, work with soliloquies and view Shakespearean performances for the purpose of both comparisons to text and supplemental exposure to works not included in the reading list.

039 YOUNG ADULT LITERATURE

0.5 Credit

Semester

Grades 10-12

Weighted Value 1.0

Recommended: 80% or better in the previous year's English class or teacher approval.

This elective course allows students to read and analyze contemporary young adult literature, with a focus on diverse points of view and issues relevant to teenagers in today's society. Students will also explore a variety of themes found within works of young adult literature and will have the opportunity to conduct independent reading of works containing those themes. This course will include both extensive reading and writing, in addition to small and large group discussions and long-term, multi-faceted independent projects.

040 CREATIVE WRITING

0.5 Credit

Semester

Grades 10 - 12

Weighted Value 1.0

Prerequisite: English teacher's approval

This is an introductory course in creative writing. The content of the course will reflect a variety of topics, genres, and writing styles, including but not limited to short stories, plays, creative non-fiction pieces, a multitude of poetic forms, and pieces that blend genres. There will also be extensive use of published works in these genres to be used as "mentor texts" and guides for student writing. Creative Writing will also feature the use of writing workshops that require interactive critique and sharing of student writing. Students will be expected to work collaboratively with one another and must be willing to share their work throughout the course.

042 MEDIA PRODUCTION II (KRAM)

0.5 Credit

Semester

Grades 10-12

Weighted Value 1.0

Prerequisite: 80% or better in Media Production I (Course #052) and teacher recommendation

Media Production II is an elective course that builds upon its prerequisite, Media Production I. Motivated students will continue their hands-on experience in the following areas of media production: preproduction, production, post-production, a greater emphasis on television show development and execution, and production company management. Students in Media Production II will review the concepts of camera operation, script writing, lighting, audio production, and editing that were established in Media Production I. Media Production II students will be in charge of developing and producing shows for KRAM-TV (the South Eastern School District Education Access Cable Channel provided by Armstrong Cable). As part of the course, students are also responsible for assisting in the production and execution of a live, daily news program that is broadcast over KRAM-TV, fulfilling a variety of jobs and responsibilities found in the television studio. Students will be expected to work cooperatively in production teams, complete projects in the television studio, and spend time outside of the television studio filming and developing projects.

043 HUMANITIES

0.5 Credit

Semester

Grades 11-12

Weighted Value 1.0

Humanities I is a course that surveys primary literary and cultural achievements of Western and Non-Western Cultures. Societies and traditions covered include but are not limited to the Ancient Near East (The Old/First Testament), India (Hinduism and Buddhism), China and Japan (Confucianism, Taoism, and Buddhism), Christianity and Byzantine Cultures (The teachings of Jesus) and Islam (The teachings of Muhammad, Islamic mysticism). Skills students will develop include textual analysis, classroom discussion, and expository writing. Students will prepare presentations for the class.

044 DRAMA

0.5 Credit

Semester

Grades 9-12

Weighted Value 1.0

This course is an introduction to drama and theater. It includes areas of study such as critical reading of plays, theater history, stage craft, acting, directing, producing, and the elemental foundation of acting. As such, students will perform in front of their peers. Homework is required occasionally, and ample class time is provided for production and analysis purposes. Students are required to attend Kennard-Dale dramatic activities during the school year.

045 FILM STUDIES

0.5 Credit

Semester

Grades 10-12

Weighted Value 1.0

Recommended: 80% or better in the previous year's English class

This English elective course allows students to explore various topics related to film. The course will include the study of film history, filmmaking, notable genres and directors, and world cinema. Students will leave the course with a broad overview of not only what goes into making a film, but also how to analyze and appreciate film. In each unit, one movie will be screened in class. This course requires daily reading, writing, participation, and collaboration.

048 YEARBOOK

1 Credit

Full Year

Grades 10-12

Weighted Value 1.0

Prerequisite: Application required and Advisor's approval

All areas of photojournalism and yearbook production will be explored as students organize and design, help fund, write, sell, and produce the FAWN, Kennard-Dale's yearbook. Individual projects will focus on equally well-designed double-page spreads and relevant copy. Copy will be written with an emphasis on techniques of yearbook journalism relating to captions, headlines, articles, summaries, and features. After the yearbook has gone to press, students will explore general yearbook techniques.

052 MEDIA PRODUCTION I (KRAM)

0.5 Credit

Semester (Fall)

Grades 9-12

Weighted Value 1.0

Recommended: 80% or better in the previous year's English class

Media Production I is an elective course which provides motivated students with a hands-on introductory experience in the following areas of media production: preproduction, production, and post-production. This course explores camera operation, script writing, lighting, audio production, show development, editing, and the effects of mass media on audiences. As part of the course, students are also responsible for assisting in the production and execution of a live, daily news program that is broadcast over KRAM-TV (the South Eastern School District Education Access Cable Channel provided by Armstrong Cable), fulfilling a variety of jobs and responsibilities found in the television studio. This includes operating equipment and reading announcements live on air. At the completion of this course, students will understand the functioning of the television production system, be able to utilize the major pieces of television production equipment, and understand and execute the functions of all essential production personnel. Students will be expected to work cooperatively in production teams, complete projects in the television studio, and spend time outside of the television studio filming and developing projects.

750 ARGUMENT (COST: \$245) (University of Pittsburgh)**Cost is subject to change at the discretion of the university. Financial aid is available on an as-needed basis.**

1 Credit (+3 College Credits)

Full Year

Grade 11-12

Weighted Value 1.3

Recommended: 90% or better in the previous year's English class

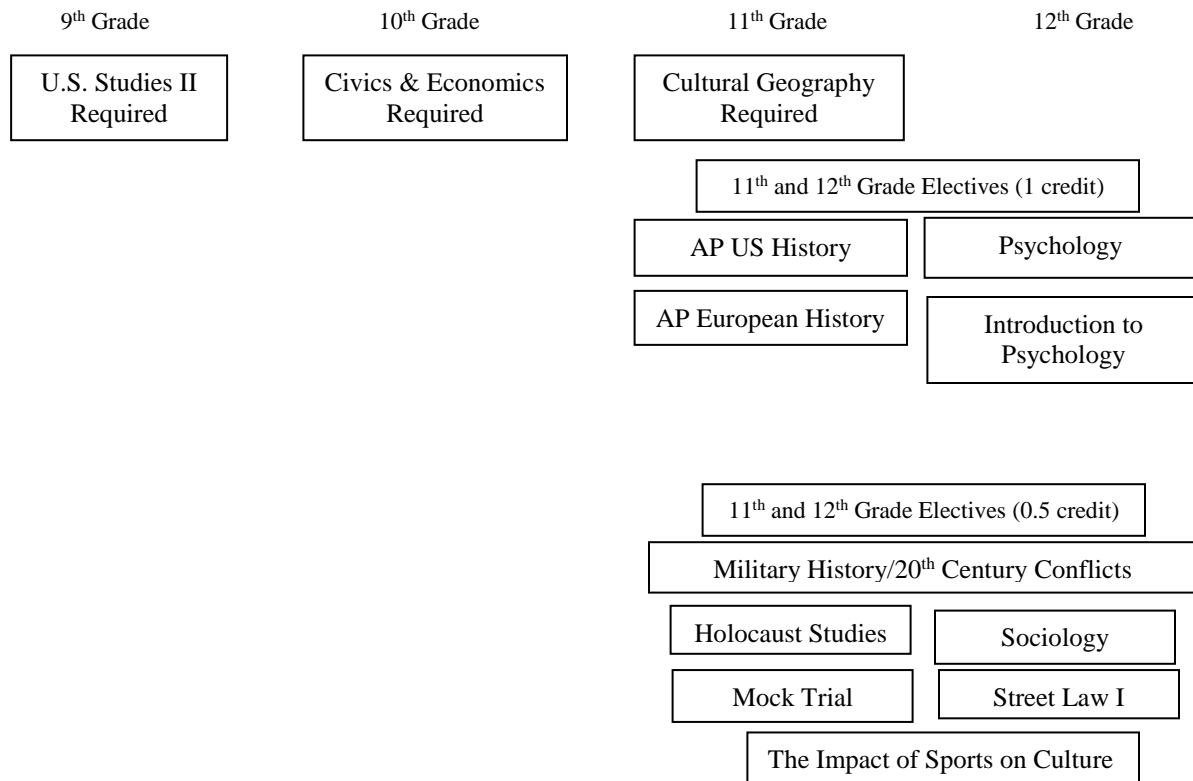
This course teaches students to recognize, explain, research, construct, present and critique arguments. Assignments invite students to create their own research-based arguments, express them capably to peers and

instructors, eloquently refute competing arguments, and judge the soundness of arguments made by others. A survey of key concepts in argumentation theory will provide background for students to develop their argument skills in a variety of both oral and written activities that feature lively intellectual interchange. In-depth and rigorous research procedures are an integral and essential element of the course. Students will present a variety of speeches that feature various rhetorical techniques. They will also compete in debates-both solo and in teams-that range from Spontaneous Argument (SPAR Debates) to more formally structured, highly researched debate formats such as Lincoln-Douglas, Public Forum, Oxford, and Parliamentary style.

SOCIAL STUDIES COURSE OFFERINGS

Course Number	Course Title	Recommended Grade	Number of Semesters Per Year	Unit of Credits Per Year	Weighted Value Per Course
053	US Studies II - Honors*	9	2	1.0	1.2
055	US Studies II - College Prep*	9	2	1.0	1.1
057	US Studies II - Applied	9	2	1.0	1.0
054	Civics and Economics - Honors*	10	2	1.0	1.2
056	Civics and Economics - College Prep*	10	2	1.0	1.1
058	Civics and Economics - Applied	10	2	1.0	1.0
059	Cultural Geography - Honors*	11	2	1.0	1.2
061	Cultural Geography - College Prep*	11	2	1.0	1.1
063	Cultural Geography - Applied	11	2	1.0	1.0
065	Military History/20 th Century Conflicts	11-12	1	0.5	1.0
066	Holocaust Studies	11-12	1	0.5	1.0
075	Sociology	11-12	1	0.5	1.0
077	AP United States History*	11-12	2	1.0	1.3
078	Psychology	11-12	2	1.0	1.0
079	AP European History*	11-12	2	1.0	1.3
083	Mock Trial	11-12	1	0.5	1.0
085	Street Law I	11-12	1	0.5	1.0
087	The Impact of Sports on Culture	11-12	1	0.5	1.0
751	Introduction to Psychology (UNIV)	11-12	2	1.0	1.3
* Recommended for a college preparatory program.					

RECOMMENDED SOCIAL STUDIES COURSE SEQUENCE



SOCIAL STUDIES COURSE DESCRIPTIONS

Social Studies - GRADE 9

Students choosing the Honors level of all Social Studies courses may be required to complete specific course preparation work during the summer months prior to the start of the new school year. The summer assignments will be distributed by the instructor in May. Students will be responsible to independently meet the instructor's expectations through this summer's supplemental coursework. These expectations will be assessed in a series of tests during the first week of the new school year. The assessments will be a crucial part of the student's first marking period grade and will be an indicator of future success in that course.

053 U.S. STUDIES II - HONORS

1 Credit

Full Year

Grade 9

Weighted Value 1.2

Prerequisite: 90% or better in 8th Grade U.S. Studies I

As a required subject for all 9th-grade students, this survey course will present a background in the social, political, economic, and geographical aspects of American society from the 1920's to the present day. Topics will include the social changes of the 1920's, economic crisis and the New Deal of the 1930's, World War II, post-World War II, Social and Civil Rights Reform, the Vietnam War, Watergate, and Reaganomics. Students will discuss major issues of the presidencies from Wilson through Bush and related current events.

Students will utilize outside readings and historical video footage to supplement the main text. Map skills will be reviewed and summaries of current events will be used to enhance an understanding of 20th-century America.

055 U.S. STUDIES II – COLLEGE PREP

1 Credit

Full Year

Grade 9

Weighted Value 1.1

The course will cover the same areas as U.S. Studies II Honors, but will be less vigorous, differing only in scope and depth. Emphasis will be placed on the historical issues through varied writing assignments and simulation-type activities. Students will be encouraged to develop effective writing and oral communication skills. Students need to obtain a recommendation from their 8th-grade teacher to enroll in this course.

057 U.S. STUDIES II – APPLIED

1 Credit

Full Year

Grade 9

Weighted Value 1.0

This general-level course will cover the same topics as college preparatory and honors but will include short research assignments emphasizing basic skills and practical applications as the major focus of the instruction. Students need to obtain a recommendation from their 8th-grade teacher to enroll in this course.

Social Studies - GRADE 10

Students choosing the Honors level of all Social Studies courses may be required to complete specific course preparation work during the summer months prior to the start of the new school year. The summer assignments will be distributed by the instructor in May. Students will be responsible to independently meet the instructor's expectations through this summer's supplemental coursework. These expectations will be assessed in a series of tests during the first week of the new school year. The assessments will be a crucial part of the student's first marking period grade and will be an indicator of future success in that course.

054 CIVICS AND ECONOMICS - HONORS

Grade 10

1 Credit

Full Year

Weighted Value 1.2

Prerequisite: Social Studies teacher approval and an 80% or better in U.S. Studies II

This course focuses on two different social sciences: Civics and Economics. In Civics, students will examine the creation and foundation of the Constitution, the three branches of government, political parties and elections, and the impact of state and local governments on citizens. The Economics Unit will look at Micro and Macro principles, concepts like supply and demand, and international policies of trade barriers and balances of payments. Current issues on both subjects will be discussed orally. Students will utilize reading comprehension and writing skills on a daily basis to develop a detailed analysis of the individual issues of both subjects. Honors students will be required to develop individual and group presentations throughout the year to enhance their learning. Students need to obtain a recommendation from their US Studies teacher to enroll in this course.

056 CIVICS AND ECONOMICS - COLLEGE PREP

Grade 10

1 Credit

Full Year

Weighted Value 1.1

Prerequisite: Social Studies teacher approval and a 70% or better in U.S. Studies II

The students will cover the same areas as the Honors sections but will be less vigorous, differing in scope and depth. Emphasis will be placed on the application of principles of both subjects to their lives by using varied writing and reading assignments and simulation activities. Students will be encouraged to develop effective writing and oral communication skills through projects and presentations.

058 CIVICS AND ECONOMICS – APPLIED

Grade 10

1 Credit

Full Year

Weighted Value 1.0

The general-level course will cover the same topics as college preparatory and honors but will include shorter assignments emphasizing basic skills and practical applications.

Social Studies - GRADE 11

Students choosing the Honors level of all Social Studies courses may be required to complete specific course preparation work during the summer months prior to the start of the new school year. The summer assignments will be distributed by the instructor in May. Students will be responsible to independently meet the instructor's expectations through this summer's supplemental coursework. These expectations will be assessed in a series of tests during the first week of the new school year. The assessments will be a crucial part of the student's first marking period grade and will be an indicator of future success in that course.

059 CULTURAL GEOGRAPHY - HONORS

Grade 11

1 Credit

Full Year

Weighted Value 1.2

Prerequisite: Social Studies teacher approval and an 80% or better in Civics and Economics

A study of the essential geographic characteristics of the world's major cultural regions and an analysis of how religion, language, economy, and other cultural phenomena vary or remain constant from one place to another. The major focus will be on Africa, Asia, and Latin America. Students will make extensive use of maps, graphs, charts, and diagrams.

061 CULTURAL GEOGRAPHY - COLLEGE PREP

Grade 11

1 Credit

Full Year

Weighted Value 1.1

Prerequisite: Social Studies teacher approval and a 70% or better in Civics and Economics

Students in College Preparatory classes will utilize skills needed to be successful in college including researching topics and creating computer-generated projects. Geography skills and economic theory will be included. Tests reflect higher-level reasoning skills such as analysis and generalization. Notebooks are required.

063 CULTURAL GEOGRAPHY – APPLIED

Grade 11

1 Credit

Full Year

Weighted Value 1.0

The general-level course will cover the same topics as college preparatory and honors but will include shorter research assignments emphasizing basic skills and practical applications.

Social Studies – ELECTIVES - GRADES 11 AND 12

065 MILITARY HISTORY/20th CENTURY CONFLICTS

0.5 Credit

Semester

Grades 11-12

Weighted Value 1.0

Military History/Twentieth Century Conflicts is a one-semester elective course for juniors and seniors. The course will focus on the principles and causes of war, various strategies used during war, the evolution of technology throughout warfare, and famous military generals throughout history. The changing role of the news media and the effect this has had on our view of war will also be explored. Conflicts included for in-depth study are World War I, World War II, the Korean War, the Vietnam Conflict, and the Gulf War.

066 HOLOCAUST STUDIES

0.5 Credit

Semester

Grades 11-12

Weighted Value 1.0

This is a one-semester elective course that will evaluate the causes of the Holocaust and its effects on the human race. It will provide students with a chance to study how power and manipulation fueled Adolph Hitler's rise, how his use of propaganda influenced society, and why the Nazis agreed to follow Hitler's "final solution" to take the lives of six million Jewish people throughout the Holocaust. Students will compare the persecution of Jews throughout different countries by reading and discussing the book, I Will Never Be Fourteen Years Old, as well as reading other articles that focus on the Nuremberg Trials, the psychology of the Holocaust, and the life of a Nazi during WWII. This course will also bring light to how common stereotypes, prejudices, and racism can lead to genocide throughout the world, and how we, as members of society, can prevent this from happening again.

075 SOCIOLOGY

0.5 Credit

Semester

Grades 11-12

Weighted Value 1.0

Sociology is a semester course designed for juniors and seniors. It is the study of the social lives of humans, groups, and societies. Sociology concerns itself with the social rules and processes that bind and separate people not only as individuals, but as members of associations, groups, and institutions. This course will explore both the large or general social patterns of civilization and how individuals understand and respond to changes in society. The internet will be used as a tool for research and online surveys.

Students choosing AP Social Studies courses will be required to complete specific course preparation work during the summer months prior to the start of the new school year. The summer assignments will be distributed by the instructor in May. Students will be responsible to independently meet the instructor's expectations through this summer's supplemental coursework. These expectations will be assessed in a series of tests during the first week of the new school year. The assessments will be a crucial part of the student's first marking period grade and will be an indicator of future success in that course.

077 AP UNITED STATES HISTORY

1 Credit

Full Year

Grades 11-12

Weighted Value 1.3

Prerequisite: Social Studies teacher approval and 80% or better in the previous year's Social Studies class

Advanced Placement United States History is an in-depth study of the major issues and trends of our nation's past from colonial America up to and including the 1970's. The course is designed to involve students in an examination of both primary and secondary sources, and will provide opportunities to apply research, discussion, and public speaking skills. The ultimate goal is to prepare college-bound juniors and seniors to take the Advanced Placement exam in American History. Advanced Placement (AP) classes are college-level courses. As such, students will be responsible for completing numerous readings and assignments outside of the school day. A high level of class participation is also expected.

078 PSYCHOLOGY

1 Credit

Full Year

Grades 11-12

Weighted Value 1.0

Students will explore the basic concepts of Psychology and study human behavior from an academic perspective. Students will delve into topics including learning theory, the life-span cycle, coping with stress, behavior disorders, and therapy. Students will use demonstrations, internet activities, and videoconferences to reinforce key concepts.

079 AP EUROPEAN HISTORY

1 Credit

Full Year

Grades 11-12

Weighted Value 1.3

Prerequisite: Social Studies teacher approval and 80% or better in the previous year's Social Studies class

AP European History will be a one-year elective course for juniors and seniors. Students in this course will study the history of Europe from the development of the Roman Empire to the beginnings of the Early Modern Period. Topics will include the legacy of Rome, the Middle Ages, the Renaissance, Reformation, and the birth of the modern nation-state. European History will be divided into four categories: (a) social/cultural aspects, (b) economic changes, (c) political aspects, and (d) foreign affairs. The ultimate goal is to prepare students to take the Advanced Placement exam in European History. Advanced Placement (AP) classes are college-level courses. As such, students will be responsible for completing numerous readings and assignments outside of the school day. A high level of class participation is also expected.

083 MOCK TRIAL

0.5 Credit

Semester

Grades 11-12

Weighted Value 1.0

Mock Trial is a fall semester elective course for Grades 11-12. This course will offer the knowledge and skills necessary for Kennard-Dale High School's competition in the Pennsylvania Statewide High School Mock Trial Competition. The course will afford students the opportunity to act as lawyers and witnesses in simulated civil or criminal trials before actual judges and panels of juries. Preparation for the competition (usually held in February) will include exploring the rule of law, rules of evidence, witness testimony, and objections to testimony. The course will involve in-class development of the case materials and out-of-class practices and competitions during January and February with the possibility of the competition to continue through May if the team would advance through District, State, and National Competitions.

085 STREET LAW I

0.5 Credit

Semester

Grades 11-12

Weighted Value 1.0

Street Law is a one-semester elective course for Grades 11-12 that will offer knowledge and skills necessary for survival in our law-oriented society. Topics studied include the following: how and why laws are made, the causes and effects of crime in our society, the way our court and criminal justice systems operate, issues regarding criminal justice today, and the balance between individual rights and government control.

087 THE IMPACT OF SPORTS ON CULTURE

0.5 Credit

Semester

Grades 11-12

Weighted Value 1.0

This semester course is for juniors and seniors. This course will examine the impact that sports have had on the culture of the 20th Century United States. Topics to be examined will include race, gender equity, gambling, steroid and drug use, and many other current topics. The use of technology, discussion formats, and teacher and student presentations will be utilized to provide a wide range of learning opportunities.

751 INTRODUCTION TO PSYCHOLOGY (COST: \$225)
(University of Pittsburgh)

1 Credit (+3 College Credits)

Full Year

Grades 11-12

Weighted Value 1.3

The objective of this course is to provide students with an overview of the diverse field of psychology, and an appreciation of the way that behavior and mental processes can be studied scientifically. All students will also be required to write summaries of five primary research articles chosen from a list of studies in psychology. The summaries must include a section that links the article to the student's life. The paper assignment is described in more detail at this website: <http://www.pitt.edu/~intropsy/chspapers.html>.

MATHEMATICS COURSE OFFERINGS

Course Number	Course Title	Recommended Grade	Number of Semesters Per Year	Unit of Credits Per Year	Weighted Value Per Course
106	Consumer Mathematics	12	2	1.0	1.0
109	Algebra IA	9	2	1.0	1.0
110	Algebra I- College Prep*	9-12	2	1.0	1.1
111	Algebra IB	9-10	2	1.0	1.0
112	Algebra II- Honors*	9-12	2	1.0	1.2
113	Applications of Algebra	10-12	2	1.0	1.0
114	Algebra II- College Prep*	9-12	2	1.0	1.1
115	Algebra III- College Prep*	10-12	2	1.0	1.1
116	Geometry- Honors*	9-12	2	1.0	1.2
118	Geometry- College Prep*	9-12	2	1.0	1.1
122	Trigonometry/Pre-Calculus-Honors*	11-12	2	1.0	1.2
124	Trigonometry/Pre-Calculus-College Prep*	11-12	2	1.0	1.1
127	Calculus*	11-12	2	1.0	1.1
128	AP Calculus (AB)*	11-12	2	1.0	1.3
129	AP Calculus (BC)*	12	2	1.0	1.3
130	Discrete Mathematics	11-12	2	1.0	1.1
131	Statistics	11-12	2	1.0	1.1
753	Business Calculus (not offered 23-24)	11-12	2	1.0	1.3
754	Basic Applied Statistics	11-12	2	1.0	1.3
755	Analytic Geometry & Calculus 1 (not offered 23-24)	11-12	2	1.0	1.3
756	Analytic Geometry & Calculus 2 (not offered 23-24)	12	2	1.0	1.3

* Recommended for a college preparatory program.

Mathematics Graduation Requirement - Four (4.0) Units of Credit

Final Examinations are given in all courses in the mathematics department.

CALCULATOR GUIDELINES

Calculators have become virtually indispensable in the “real world”. Their importance in math classes has also increased. South Eastern School District math teachers believe that before relying on calculators, students should be proficient with computational and graphing skills and understand the mathematical concepts involved. Students will be taught when a calculator is “necessary” and when another form of computation (i.e. estimation, mental arithmetic, or pencil and paper) is more appropriate.

Students in grades 9 through 12 will be expected to purchase their own calculators for use in their respective math classes. Please refer to the course descriptions to determine which type, if any, is required.

- The standard **SCIENTIFIC** calculators used in the classrooms are **TI 30X IIS**.
- The standard **GRAPHING** calculators used in the classrooms are **TI 84 Plus**.

RECOMMENDED MATHEMATICS COURSE SEQUENCE

College Preparatory Sequence

Algebra I → Geometry → Algebra II → Trig/Pre-Calc → Calculus → Elective
 → Algebra III → Trig/Pre-Calc → Calculus or Elective
 → Statistics → Trig/Pre-Calc or Elective

Non-College Preparatory Sequence (* Courses require teacher approval.)

Algebra I or Equivalent → Geometry → Applications of Algebra* → Elective

Mathematics Electives

- Consumer Mathematics (Grade 12)
- Financial Applications of Mathematics (Grades 11 and 12)
- Discrete Mathematics (Grades 11 and 12)
- Statistics (Grades 11 and 12)
- **Business Calculus (Grade 11 and 12)**
- Basic Applied Statistics (Grade 11 and 12)
- **Analytic Geometry & Calculus 1 (Grades 11 and 12) & Analytic Geometry & Calculus 2 (Grade 12)**

MATHEMATICS COURSE DESCRIPTIONS

106 CONSUMER MATHEMATICS

Grade 12

1 Credit

Full Year

Weighted Value 1.0

Prerequisite: Algebra I or teacher approval

The student will have an understanding of different real-world mathematical situations concerning insurance, banking, housing, tax filing, and consumer buying and traveling. The student will investigate and evaluate loan and savings opportunities. The student will also compare and evaluate types of insurance and insurance needs. The student will develop consumer decision-making skills and consumer research techniques.

109 ALGEBRA IA

Grade 9

1 Credit

Full Year

Weighted Value 1.0

Prerequisite: Administrative Placement

This course is part of a two-year course in Algebra I. Students taking this course must also take Algebra IB the following year. This course is designed to develop a strong foundation in algebra to prepare for higher-level math courses. Students will be expected to develop a working knowledge of the Real Number system. This includes mastering basic concepts such as working with signed numbers, fractions, percents, and basic operations. Students will apply these skills to solve multi-step equations and inequalities, create multiple representations of linear and quadratic relationships, and apply algebraic concepts to real-life situations. **The completion of Algebra IA and Algebra IB are equivalent to the completion of Algebra I for prerequisites.**

110 ALGEBRA I – COLLEGE PREP (*KEYSTONE TESTING SUBJECT)

Grades 9-12

1 Credit

Full Year

Weighted Value 1.1

Prerequisite: 70% or better in Math 8

This course is required for all college preparatory students but is open to any other student who wishes to develop a strong foundation in algebra to prepare for higher-level math courses. Students will be expected to develop a working knowledge of the Real Number system. Students will be able to solve inequalities, linear and quadratic equations, solve systems of equations, work with polynomials, graph functions and relations, and determine simple and compound probabilities. A scientific calculator is required for this course.

111 ALGEBRA IB (*KEYSTONE TESTING SUBJECT)

Grades 9-10

1 Credit

Full Year

Weighted Value 1.0

Prerequisite: Administrative Placement

This course is part of a two-year course in Algebra I. This course is designed to develop a strong foundation in algebra to prepare for higher-level math courses. Students will be expected to develop a working knowledge of the Real Number system. Students will solve multi-step equations and inequalities, create multiple representations of linear and quadratic relationships, solve systems of equations, work with polynomials, graph functions and relations, determine simple and compound probabilities, and apply algebraic concepts to real-life situations. **The completion of Algebra IA and Algebra IB are equivalent to the completion of Algebra I for prerequisites.**

112 ALGEBRA II – HONORS

Grades 9-12

1 Credit

Full Year

Weighted Value 1.2

Prerequisite: 90% or better in Algebra I

This course covers those topics in Algebra II CP (Course 114, Page 28) in greater depth. Additional topics may include series and sequences, trigonometry, and probability. A scientific calculator is required for this course.

113 APPLICATIONS OF ALGEBRA (*KEYSTONE TESTING SUBJECT)

1 Credit

Full Year

Grades 10-12

Weighted Value 1.0

Prerequisite: 60% - 70% in Algebra ICP or completion of Algebra I B

Applications of Algebra course is an extension of Algebra I. This course will focus on applying algebra skills to model real-life situations as well as mastering the content of Algebra I. It will emphasize Algebra I Keystone Standards and Common Core mathematical practices.

** Not intended for students who have passed the Keystone Exam or have received a 70% or higher in Algebra I CP.

114 ALGEBRA II – COLLEGE PREP

1 Credit

Full Year

Grades 9-12

Weighted Value 1.1

Prerequisite: Geometry

This course is required for all college preparatory students but is open to any other student who wishes to develop a strong foundation in algebra to prepare for higher-level mathematics courses. This course is recommended prior to taking SATs. Topics covered will expand on the content of the Algebra I course, as well as complex number systems, matrices, quadratic and rational functions, and trigonometry. A scientific calculator is required.

115 ALGEBRA III – COLLEGE PREP

1 Credit

Full Year

Grades 10-12

Weighted Value 1.1

Prerequisite: Algebra II or teacher approval

This course is open to students who have completed Algebra II. It will expand on topics such as trigonometry, analytical proofs, and elementary probability and statistics. This course is designed to prepare students for the rigor of AP Statistics, SAT testing, and post-secondary endeavors. Topics covered will provide opportunities to master many algebraic concepts found in Algebra I and Algebra II. A scientific calculator is required for this course.

116 GEOMETRY – HONORS

1 Credit

Full Year

Grades 9-12

Weighted Value 1.2

Prerequisite: 80% or better in Algebra I or teacher approval

This course covers those topics in Geometry CP (Course 118 below). More emphasis will be placed on the construction of proofs, proof problems, and specific figures. Students are required to do projects each marking period. A scientific calculator is required for this course.

118 GEOMETRY - COLLEGE PREP

1 Credit

Full Year

Grades 9-12

Weighted Value 1.1

Prerequisites: Algebra I

This course is required for all college preparatory students and is open to any other student who meets the prerequisites for this course. This course is recommended prior to taking the SAT's. The course consists of primarily Euclidean plane and solid geometry. Emphasis will be placed on real-world applications. Computational problems involving perimeter, area, and volume of both plane and solid figures are included. Other topics will include space, parallelism, inequalities, similar figures, direct and indirect proofs, constructions, coordinate geometry, reflections, and transformations. A scientific calculator is required for this course.

122 TRIGONOMETRY/PRE-CALCULUS – HONORS

1 Credit

Full Year

Grades 11-12

Weighted Value 1.2

Prerequisite: 80% or better in Algebra II or Algebra III or teacher approval

This course is recommended for college preparatory students with a strong interest in pursuing careers in mathematics-related fields. This course covers those topics in Trigonometry/Pre-Calculus CP in greater depth with an emphasis on a deeper understanding of the mathematical foundations. Honors students will also have an introduction to parametric and polar equations. A graphing calculator is required for this course.

124 TRIGONOMETRY/PRE-CALCULUS – COLLEGE PREP

1 Credit

Full Year

Grades 11-12

Weighted Value 1.1

Prerequisite: Algebra II

This course is recommended for all college preparatory students. Students will study linear, polynomial, and rational functions and their graphs, exponential and logarithmic functions, trigonometric functions and their graphs, trigonometric identities, right triangle relationships, and the laws of sines and cosines. Other topics may include vectors, conics, sequences, and series. A graphing calculator is required for this course.

127 CALCULUS

1 Credit

Full Year

Grades 11-12

Weighted Value 1.1

Prerequisite: Trig/Pre-Calculus or teacher approval

The student will have an understanding of differential and integral calculus. The student will be able to graph functions and find critical values, find derivatives of the first and second degree and integrate functions. The student will utilize a graphing calculator. Throughout this course, the student will be asked to apply problem-solving skills to real-world applications. A graphing calculator is required for this course.

128 AP CALCULUS (AB)

1 Credit

Full Year

Grades 11-12

Weighted Value 1.3

Prerequisite: 80% or better in Trig/Pre-Calculus CP or Honors or teacher approval

The student will have an understanding of differential, and integral calculus. The student will be able to graph functions and find critical values, find derivatives of the first and second degree, and integrate functions. The student will utilize a graphing calculator. Throughout this course, the student will be asked to apply problem-solving skills to real-world applications. Upon completion of this course, the student will be prepared to take the AP Exam. A graphing calculator is required for this course.

129 AP CALCULUS (BC)

1 Credit

Full Year

Grade 12

Weighted Value 1.3

Prerequisite: Calculus (127 or 128)

The student will have an understanding of differential and integral calculus extended through coordinate, parametric, vector, and polar functions. Students will also work with polynomial approximations and series investigating their convergence and divergence. A graphing calculator will be utilized in this course. Upon completion of this course, a student will be prepared for the Calculus BC exam. A graphing calculator is required for this course.

130 DISCRETE MATHEMATICS

1 Credit

Full Year

Grades 11-12

Weighted Value 1.1

Prerequisite: Algebra II

Discrete Mathematics is intended for high school students exploring careers in computer science, mathematics, or engineering. Unlike other high school math courses, Discrete Mathematics is based on logic and reasoning rather than algebra. Students will study topics that can be counted rather than topics of continuous amounts. Topics of study will include counting techniques, set theory, relations, functions, logic and reasoning, patterning including iteration and recursion, graph theory, and networking.

131 STATISTICS

1 Credit

Full Year

Grades 11-12

Weighted Value 1.1

Statistics affect all aspects of our lives. Whether testing medical devices or determining what will entertain us, applications of statistics are so numerous that we are limited only by our own imagination in discovering new uses for statistics. In addition, many careers require a thorough knowledge of statistics. In this course, the student will learn ways to collect and organize data; binomial, sampling and normal distributions; the theory of probability; interpretation and comparison of data; inference, and statistical principles. Students will develop critical thinking and decision-making skills as they apply their skills to real-world data.

753 BUSINESS CALCULUS (COST: \$225) (not offered in 23-24)**Grades 11-12**

1 Credit (+4 College Credits)

Full Year

Weighted Value 1.3

Prerequisite: Rigorous high school algebra that includes exponentials and logarithmic functions or Pre-Calc. Proficiency in algebraic manipulations is essential. A score of 61 or greater on the ALEKS Placement Examination is required. (A \$25 exam fee is additional to the course cost and is at the student's expense.)

This is an introduction to calculus for students in business, economics, and other social sciences. The application of concepts is stressed throughout the course. The grade reported to the University of Pittsburgh is determined by the student's performance on three exams and a comprehensive final.

754 BASIC APPLIED STATISTICS (COST: \$225) (University of Pittsburgh)**Grades 11-12**

1 Credit (+4 College Credits)

Full Year

Weighted Value 1.3

Prerequisite: Two years of high school algebra are recommended.

This course teaches methods of descriptive and inferential statistics. Topics include data collection and description, hypothesis testing, correlation and regression, the analysis of variance, and contingency tables (chi square). Students will learn how to use a statistical computer package, MINITAB.

The following two courses are not offered during 2023-2024:

755 ANALYTIC GEOMETRY & CALCULUS 1(COST: \$225)**Grades 11-12**

1 Credit (+4 College Credits)

Full Year

Weighted Value 1.3

Prerequisite: Strong Algebra and Trigonometry skills. A score of 76 or greater on the ALEKS Placement Examination is required. (A \$25 exam fee is additional to the course cost and is at the student's expense.)

This course is the standard first course in Calculus for Science, Engineering, and Mathematics students.

756 ANALYTIC GEOMETRY & CALCULUS 2 (COST: \$225)**Grade 12**

1 Credit (+4 College Credits)

Full Year

Weighted Value 1.3

Prerequisite: Successful completion (a grade of C or higher) of Analytic Geometry & Calculus 1. An AP Calculus AB score of a 4 or 5 will also fulfill the prerequisite.

This course is the standard second course in a basic calculus sequence required for all for Science, Engineering, Mathematics, and Statistics students.

SCIENCE COURSE OFFERINGS

GENERAL SCIENCE OFFERINGS					
Course Number	Course Title	Recommended Grade	Number of Semesters Per Year	Unit of Credits Per Year	Weighted Value Per Course
152	Integrated Science - Applied	9	2	1.0	1.0
153	Integrated Science - College Prep*	9	2	1.0	1.1
154	Integrated Science - Honors*	9	2	1.0	1.2
156	Biology I - Honors*	10	2	1.0	1.2
158	Biology I - College Prep*	10	2	1.0	1.1
159	Biology I - Applied	10	2	1.0	1.0
168	Physics I - College Prep*	10-12	2	1.0	1.1
169	AP Physics 2*	11-12	2	1.0	1.3
170	Chemistry I - College Prep*	10-12	2	1.0	1.1
171	Chemistry I - Honors* (not offered in 20-21)	10-12	2	1.0	1.2
173	Chemistry I – Applied (not offered in 20-21)	11-12	2	1.0	1.0
174	Physics I - Applied	11-12	2	1.0	1.0
175	AP Physics 1*	10-12	2	1.0	1.3
178	Special Topics in Science	11-12	1	0.5	1.0
324	Anatomy and Physiology – Honors*	11-12	1	0.5	1.1
757	General Chemistry I(Pitt)	11-12	2	1.0	1.3
762	General Biology I (Pitt)	11-12	2	1.0	1.3

* Recommended for a college preparatory program.

Science Graduation Requirements

- Four (4) credits – one credit must be in Integrated Science, Biology, and Physical Sciences (Physics or Chemistry content course).

Those students who are not successful/proficient in Biology will have remediation during Power 45 and have the opportunity to attend Bio Bootcamp.

RECOMMENDED SCIENCE COURSE SEQUENCE

REQUIRED:			
9 th Grade	10 th Grade	11 th Grade	12 th Grade
Integrated Science (H, CP or Applied)	Biology I H	Chemistry I CP	Elective
	Biology I CP	Physics	
	Biology I App		

ELECTIVES:		
9 th Grade	10 th Grade	11 th and 12 th Grade
**Ag Science Courses (See below.)	**Ag Science Courses (See below.) Physics I AP Physics 1 Chem I	**Ag Science Courses (See below.) Physics I Chemistry I Anatomy and Physiology Special Topics in Science <u>AP Courses</u> Physics 1 and 2 <u>PITT Course</u> General Chemistry I General Biology I

Agricultural Science Courses **

- 9th through 12th grade ****Agricultural Education Courses** available for science credit.
- Refer to Agriculture Department Course Offerings for descriptions of eligible courses.
- Only one Agricultural Science course may be used to meet science graduation requirements.

SCIENCE COURSE DESCRIPTIONS

152 INTEGRATED SCIENCE - APPLIED

1 Credit

Full Year

Grade 9

Weighted Value 1.0

This academic science course emphasizes the cross-cutting concepts of science. This course is designed to develop strong, scientific, analytical skills and an understanding of scientific interrelationships in order to prepare 9th-grade students for future high school science coursework. Group and individual work is utilized, as well as online research and inquiry. The workload is designed for students interested in entering the workforce immediately after high school.

153 INTEGRATED SCIENCE – COLLEGE PREP

1 Credit

Full Year

Grade 9

Weighted Value 1.1

Prerequisite: 70% in Grade 8 Science

This challenging course emphasizes the cross-cutting concepts of science. This course is designed to develop strong, scientific, analytical skills and an understanding of scientific interrelationships in order to prepare 9th-grade students for future high school science coursework, as well as begin student preparation for post-high school academics. Group and individual work is utilized, as well as online research and inquiry. The workload is designed for students who are considering pursuing post-high school academics.

154 INTEGRATED SCIENCE - HONORS

1 Credit

Full Year

Grade 9

Weighted Value 1.2

Prerequisite: 90% in Grade 8 Science

This highly challenging course will focus on the cross-cutting concepts of science. This course is designed to develop strong, scientific, analytical skills and an understanding of scientific interrelationships in order to prepare 9th-grade students for future high school science coursework, as well as begin preparation for college-level academics. Group and individual work is utilized, as well as online research and inquiry. The workload will be highly challenging and students need to be self-disciplined and motivated.

BIOLOGY DISSECTION POLICY

Dissections are included in the science curriculum at Kennard-Dale High School as in most high schools across the country. Pennsylvania law requires that students and parents be informed of the intention to dissect chordate animals. At Kennard-Dale High School the chordates which are dissected include, but are not limited to, fish, frogs, dogfish, and fetal pigs.

Students have the right to refuse to participate in the dissection and must be offered alternate means of learning the material. Students choosing the alternate methods of learning the chordate systems must have the parents notify us in writing prior to the dissection. Parents with questions should contact their student's teacher or science department chairperson at 382-4871.

156 BIOLOGY I – HONORS (*KEYSTONE TESTING SUBJECT)

1 Credit

Full Year

Grade 10

Weighted Value 1.2

Prerequisite: 80% in Integrated Science and science teacher approval

This highly challenging course is designed and recommended for the science-minded student who plans on a major or career in biological sciences and displays an interest in investigating biological concepts in more detail. Content will include: scientific method, basic chemistry, biochemistry, cell biology, genetics, animal biology, and plant biology. Laboratory techniques (such as dissections) along with written reports are emphasized and required. The workload will be highly challenging and students need to be self-disciplined and motivated.

158 BIOLOGY I - COLLEGE PREP (*KEYSTONE TESTING SUBJECT)

1 Credit

Full Year

Grade 10

Weighted Value 1.1

Prerequisite: 70% or better in Integrated Science

This challenging course is structured for the student who wishes to learn more about the basic principles of biology and its impact on daily living. Students will survey each major area of biology in enough detail to prepare them for success in college. Content will include: scientific method, basic chemistry, biochemistry, cell biology, genetics, animal biology, and plant biology. Laboratory techniques (such as dissections) along with written reports are emphasized and required. The workload will be moderate for the disciplined student.

159 BIOLOGY I - APPLIED (*KEYSTONE TESTING SUBJECT)

1 Credit

Full Year

Grade 10

Weighted Value 1.0

This academic course is structured to investigate biological concepts in more detail. Students will survey each major area of biology in enough detail to prepare them to make informed decisions as adults. Content will include: scientific method, basic chemistry, biochemistry, cell biology, genetics, animal biology, and plant biology. Laboratory techniques (such as dissections) along with written reports are emphasized and required. The workload will be designed for students interested in entering the workforce immediately after high school.

170 CHEMISTRY I - COLLEGE PREP

1 Credit

Full Year

Grades 10-12

Weighted Value 1.1

Prerequisite: 70% in Biology and 70% in Algebra I

This challenging course is structured for the student who wishes to learn more about the basic properties of matter as well as the impact of chemistry on daily living. Content will include the following: composition of matter, Periodic Table, acids and bases, chemical reactions, chemical energy, stoichiometry, and basic laboratory procedures. This course is designed for the student wishing to continue their education beyond high school. The workload will be moderate for the disciplined student with an emphasis on problem-solving and laboratory analysis. Online homework will be required.

171 CHEMISTRY I - HONORS

1 Credit

Full Year

Grades 10-12

Weighted Value 1.2

Prerequisite: 80% in Biology and 80% in Algebra I

This highly challenging course is designed and recommended for the science-minded student with a strong interest in pursuing careers in science, engineering, or medical-related fields and displays an interest in investigating chemical concepts in more detail. Students will use mathematical theory, laboratory investigation, research and discussion to understand chemical principles. This fast-paced course is designed for the student with strong math and science backgrounds and good problem-solving skills. The workload will be highly challenging and students need to be self-disciplined and motivated. Online homework will be required.

173 CHEMISTRY I – APPLIED

1 Credit

Full Year

Grades 11-12

Weighted Value 1.0

This academic course is structured to investigate chemistry concepts in enough detail to prepare students to make informed decisions as adults. Content will include: structure and property of matter, chemical reactions, and introductory biochemistry. Concepts will be taught through group discussion, laboratory investigations, data analysis, and other teaching methods. The workload will be designed with an emphasis on laboratory analysis for students interested in entering the workforce immediately after high school.

168 PHYSICS I - COLLEGE PREP

1 Credit

Full Year

Grades 10-12

Weighted Value 1.1

Prerequisite: 70% in Algebra I.

This challenging course is structured for the student who wishes to learn more about the basic principles of physics and its application to daily living. Content will include motion, forces, energy, waves, electricity, and magnetism. Emphasis is placed on using technology to acquire and analyze data from laboratory exercises. The workload will be moderate for the disciplined student with an emphasis on problem-solving requiring algebraic and geometric formulas. Online homework may be required.

169 AP PHYSICS 2

1 Credit

Full Year

Grades 11-12

Weighted Value 1.3

Prerequisite: 70% in AP Physics I and teacher recommendation

This highly challenging course is structured for the seriously science-minded student and designed to be the equivalent of the second course in General Physics taken during the first year of college. Upon completion of this course, the student will be prepared to take the Advanced Placement Physics 2 Exam which could earn college credits. Content will include fluid mechanics, thermodynamics, electricity and magnetism, optics, and topics in modern physics. The workload will be highly challenging and students need to be disciplined and self-motivated. Online homework may be assigned. A high level of academic commitment and skills are required to be successful.

174 PHYSICS I - APPLIED

1 Credit

Full Year

Grade 11-12

Weighted Value 1.0

This academic course is structured to investigate physics concepts in enough detail to prepare students to make informed decisions as adults. Content will focus on motion and forces, energy, waves, electricity, and magnetism. Students will gain practical insight into how and why things work. Concepts will be taught through demonstrations, laboratory activities, and project design and computer technology. The workload will be designed with an emphasis on practical application and problem-solving for students interested in entering the workforce immediately after high school.

175 AP PHYSICS I

1 Credit

Full Year

Grades 10-12

Weighted Value 1.3

Prerequisite: 80% in Algebra I

This highly challenging introductory course is structured for the science-minded student interested in the engineering, medical, math, or science field. This course is designed to be the equivalent of a General Physics course taken in the first year of college. Upon completion, the student will be prepared to take the Advanced Placement Physics 1 Exam which could earn college credits. This course covers Newtonian mechanics, work, energy, power, mechanical waves, sound, and electrical circuits. The workload will be highly challenging focusing on laboratory analysis and problem-solving. Students need to be self-disciplined and motivated. Online homework may be assigned. A high level of academic commitment and skills are required to be successful.

176 SCIENCE OF SURVIVAL (not offered in 23-24)

0.5 Credit

Semester

Grades 11-12

Weighted Value 1.0

Prerequisite: Teacher panel recommendation based on selection criteria. Student must be currently enrolled in third science credit.

A challenging course designed for the science-minded student who displays a serious interest in investigating scientific concepts behind wilderness and urban survival. Content will include first aid, land navigation, rope systems, plant and animal identification, and fire-making techniques. Students will be strenuously, and physically active during different periods of the course. Some instruction will take place outside in a variety of weather conditions. Independent projects and presentations will be assigned.

178 SPECIAL TOPICS IN SCIENCE

0.5 Credit

Semester

Grades 11-12

Weighted Value 1.0

This semester course is designed for students of ALL academic abilities with an interest in science, technology, and the impacts on society. Topics will be investigated through several mini-units throughout the semester. Topics to be covered will be driven by student interest and teacher expertise. Possible topics could be: Alternative Energy, Science of Sports, Medicine and Bioethics, Global Climate Change, or Product Testing. A portion of the course will be spent on an **independent** student investigation, which will include a written research paper and project.

324 ANATOMY AND PHYSIOLOGY - HONORS

0.5 Credit

Semester

Grades 11-12

Weighted Value 1.2

Prerequisite: 80% or better in Biology I and Chemistry and science teacher recommendation

This highly challenging course is structured for the seriously-minded science student interested in pursuing a career in the medical field. Content will include: medical terminology, basic chemistry, cell and tissue structure, and the major systems of the human body. Laboratory work is emphasized including dissections using a cat and/or other animal parts. Memorization of the naming system for body parts and muscles will be required. The workload will be highly challenging for the self-disciplined and motivated student.

757 GENERAL CHEMISTRY 1 (COST: \$340) (University of Pittsburgh)

1 Credit (+4 College Credits)

Full Year

Grades 11-12

Weighted Value 1.3

Prerequisite: 80% or better in Chemistry H or science teacher approval

This is an introductory course in general chemistry for science and engineering students. Topics covered include stoichiometry, atomic and molecular structure, and states of matter. Problem-solving and laboratory experiences are a functional part of this course. The grade is determined by the student's performance on three exams, classwork quizzes, laboratory exercises, and a comprehensive final.

762 GENERAL BIOLOGY I (COST: \$225) (University of Pittsburgh)

1 Credit (+3 College Credits)

Full Year

Grades 11-12

Weighted Value 1.3

Prerequisite: 80% or better in Biology I or science teacher approval

This is an introductory course in general biology for students highly interested in the biological sciences. Topics covered include, but are not limited to: basic biology concepts, bioenergetics, and genetics. Laboratory techniques along with written reports are emphasized and a functional part of the course. The workload will be highly challenging and a high level of academic commitment and skill is required to be successful. The course grade is determined by the student's performance on college-level exams, class assignments, and a comprehensive final.

BUSINESS EDUCATION COURSE OFFERINGS

Course Number	Course Title	Recommended Grade	Number of Semesters Per Year	Unit of Credits Per Year	Weighted Value per Course
212	Introduction to Business	9-12	1	0.5	1.0
211	MS Word & Excel	9-12	1	0.5	1.0
218	Web Design	9-12	1	0.5	1.0
221	Personal Finance	10-12	1	0.5	1.0
222	Digital Marketing (not offered 23-24)	9-12	1	0.5	1.0
225	Accounting	9-12	2	1.0	1.1
219	MS PowerPoint & Publisher	9-12	1	0.5	1.0
760	Python Programming (PITT)	9-12	2	1.0	1.3
252	3D Animation (not offered 23-24)	10-12	1	0.5	1.0
635	Internship in the Classroom	11-12	1	0.5	1.0
636	Externship	12	1	0.5	1.0
651	Work Program	12	1	0.5	1.0
759	Programming with JAVA (PITT)	10-12	2	1.0	1.3
223	Career Readiness	10-12	1	0.5	1.0
253	Video Game Design (not offered 23-24)	9-12	1	0.5	1.1
254	Robotics I	9-12	1	0.5	1.0
255	Robotics II	10-12	1	0.5	1.1

BUSINESS EDUCATION

9 th Grade	Intro to Business 0.5 Credit	MS Word & Excel 0.5 Credit	MS PowerPoint & Publisher 0.5 Credit
	Web Design 0.5 Credit	Robotics I 0.5 Credit	Video Game Design 0.5 Credit
	Accounting 1 Credit	Digital Marketing 0.5 Credit	Python Programming 1 Credit 3 Credits (Univ) Students will earn 3 college credits from the University of Pittsburgh
10 th – 12 th Grades	Intro to Business 0.5 Credit	MS Word & Excel 0.5 Credit	MS PowerPoint & Publisher 0.5 Credit
	Accounting 1 Credit	Personal Finance 0.5 Credit	Video Game Design 0.5 Credit
	Digital Marketing 0.5 Credit	Career Readiness 0.5 Credit	Robotics I 0.5 Credit
	Web Design 0.5 Credit	3D Animation 0.5 Credit	Robotics II 0.5 credit
	Programming with JAVA 1 Credit 3 Credits (Univ) Students will earn 3 college credits from the University of Pittsburgh	Python Programming 1 Credit 3 Credits (Univ) Students will earn 3 college credits from the University of Pittsburgh	
11 th & 12 th Grade	Internship in the Classroom 0.5 Credit		
12 th Grade Only	§Work Program 0.5 Credit §Career Readiness required for participation in Work Program	Internship 0.5 Credit	Externship 0.5 Credit

BUSINESS EDUCATION COURSE DESCRIPTIONS

212 INTRODUCTION TO BUSINESS

0.5 Credit

Semester

Grades 9-12

Weighted Value 1.0

In this course, students will gain knowledge in many areas of business. Students explore business topics such as the economy, entrepreneurship, leadership, globalization, marketing, human resources, and business management. Introduction to Business students will obtain the skills needed to be educated consumers, prepared employees, and effective members of society. Throughout the semester students will identify possible career choices and obtain basic business principles needed in the workplace. This course provides background knowledge for other business courses.

211 MS WORD & EXCEL

0.5 Credit

Semester

Grades 9-12

Weighted Value 1.0

Using the latest version of Microsoft Excel and Word, students will learn the necessary word processing and spreadsheet skills to succeed in college and the workplace. In this course, students will create, format, and edit Word documents with pictures, and add borders, symbols, and shapes. Students will learn spreadsheet skills needed on the job. Students will be able to create spreadsheets and charts that will WOW their professors, coworkers, and supervisors. Assessments for this course are project-based. This course is intended for every student.

218 WEB DESIGN

0.5 Credit

Semester

Grades 9-12

Weighted Value 1.0

Put some WOW in your Web Site. Don't worry if you don't have any previous computer skills, Web Design will teach you the basics and so much more. This course explores the field of web design through HTML encoding. Topics include creating web pages starting with basic tags and advancing to style sheets and templates. Students are assessed on terminology, procedures, and projects.

221 PERSONAL FINANCE

0.5 Credit

Semester

Grades 10-12

Weighted Value 1.0

Learn to manage money! It is strongly recommended that all students take this course to develop the financial knowledge and skills necessary to manage money, investments, and assets in their personal life. Other topics covered include spending and credit, taxes, investing, and purchasing a car and a home. Students will learn the personal skills to have a financially successful life and take responsibility as a citizen.

222 DIGITAL MARKETING

0.5 Credit

Semester

Grades 9-12

Weighted Value 1.0

The course examines digital marketing strategies to provide an understanding of various platforms. Students will develop comprehensive projects using integrated online and visual marketing strategies, and online advertising using video displays, and social media. Students will learn how to measure digital marketing efforts.

223 CAREER READINESS

0.5 Credit

Semester

Grades 10-12

Weighted Value 1.0

In this course, students will learn the skills necessary to acquire a job. Students will begin exploring careers that interest them. We will research the demand for different types of jobs, their salaries, and the qualifications needed. Students will complete the employment process which includes filling out a job application, creating a resume and cover letter, and practicing interviewing skills. This class will prepare students for future employment. This course is required to participate in the Work Program.

225 ACCOUNTING

1 Credit

Full Year

Grades 9-12

Weighted Value 1.1

Going to be a business major in college? Accounting is important if you plan to attend a two or four-year college for business or if you would like an entry-level position in any business field. This course will give students a thorough background in the basic accounting procedures used to operate a business. Topics covered include the accounting equation, debits and credits, general journal, posting, bank reconciliations, worksheets, financial statements, and adjusting and closing entries. Assessments for this course include chapter exams, accounting mastery, and application problems and projects.

219 MS POWERPOINT & PUBLISHER

0.5 Credit

Semester

Grades 9-12

Weighted Value 1.0

This is a hands-on course that allows students to develop their presentation and publication design skills through the use of the latest version of Microsoft PowerPoint and Publisher. Students will create and edit presentations and enhance presentations with graphics using PowerPoint. Students will also learn to create flyers, advertisements, brochures, newsletters, and pamphlets using Publisher. Assessments for this course are project-based. This course is intended for every student.

759 PROGRAMMING WITH JAVA (University of Pittsburgh)

1 Credit (+3 College Credits)

Full Year

Grades 10-12

Weighted Value 1.3

Computer programming with Java is a course intended for beginning programmers. The course introduces students to programming concepts, Java language fundamentals and syntax, and the development of business applications. Students pursuing a computer-related career after high school are encouraged to take this class. Students are assessed on terminology, procedures, and projects. This course counts towards one credit of either Science or Math. It is suggested that students have taken Algebra II.

252 3D ANIMATION

0.5 Credit

Semester

Grades 10-12

Weighted Value 1.0

Discover the secrets to 3D Animation. Students will create 3D animations using free Blender software. Computer Generated Imagery or CGI will allow students to utilize computer graphics in a variety of applications including film, advertisements, and computer games. This course will examine the basics of 3D scene development, key frame animation, real-time animation, and basic computer game logic. Students are assessed on terminology, procedures, and projects.

635 INTERNSHIP IN THE CLASSROOM

0.5 Credit

Semester

Grades 11-12

Weighted Value 1.0

Prerequisite: Application Process and Administrative Approval

This course is intended to provide Kennard-Dale High School Juniors and Seniors with opportunities to participate in experiences related to their career goal. Students will interact with, observe, and assist teachers while completing the tasks specific to each internship opportunity. The intent of the internship is to provide activities that will enable the student to make informed career decisions based on significant knowledge and insights developed during participation. Student career goals must be directly tied to teaching or the teacher's core subject. To be considered for the intern program, all applications must be submitted by May 31, 2023, for the upcoming school year.

636 EXTERNSHIP

0.5 Credit

Semester

Grade 12

Weighted Value 1.0

Prerequisite: Application Process and Administrative Approval

The career internship program provides an opportunity for seniors to participate in a career-related experience while earning high school credit. By being in a workplace setting, the student will be able to obtain first-hand knowledge in a career, discover training requirements in the industry and learn the skills necessary for success in today's global workplace. All applications and supervisor clearances must be submitted by May 31st to be

considered for the upcoming school year. Grading will be based on attendance, communication, and submission of requested weekly assignments, including monthly evaluations with designated due dates.

651 WORK PROGRAM

0.5 Credit

Semester

Grade 12

Weighted Value 1.0

Prerequisite: Current or past enrollment in Career Readiness, Employment, Work Program Application, and supervisor clearances by May 31, 2023.

The Work Program provides occupational training and work experience in an occupation of the student's choice. It is a blending of classroom study in job readiness, employability skills, personal responsibility, and on-the-job learning experiences. Students attend school daily and may then be released from school for practical learning experiences. Students can earn .5 credits per semester for successfully completing the work portion of the program. In order for a student to take Work Program, they **must** take Career Readiness. Grading will be based on attendance, communication, submission of weekly assignments, including monthly evaluations with designated due dates, and a minimum of 15 hours per week working. All applications and supervisor clearances must be submitted by May 31st to be considered for the upcoming school year.

253 VIDEO GAME DESIGN

0.5 Credit

Semester

Grades 9-12

Weighted Value 1.1

This course is designed for students with little or no programming experience. This curriculum teaches the foundations of computer science and programming required to build video games in JavaScript. Students will learn how to code and create text and graphical games. The course is designed for complete beginners with no previous background in computer science. The course is highly visual, dynamic, and interactive yet rigorous. Students will combine many concepts of computer science to build several of their own games. This course counts towards a half credit of either Science or Math.

254 ROBOTICS I

0.5 Credit

Semester

Grades 9-12

Weighted Value 1.0

This is an introductory robotics course utilizing VEX V5 robotics kits, the VEXcode V5 Block programming software, and various VEX materials. Students will work in groups to complete a variety of STEM labs, including topics in programming, engineering, and math. The objective of this course is to introduce students to basic engineering and programming concepts in a robotics context in hopes that they continue in a computer science pathway. Other concepts covered are networking, autonomy, sensors, mechanical, computational thinking, and electronics, as related to robotics. This course is a prerequisite to Robotics II.

255 ROBOTICS II

0.5 Credit

Semester

Grades 10-12

Weighted Value 1.1

Prerequisite: Robotics I OR High School Programming Course

This course is an advanced robotics course utilizing VEX V5 robotics kits, the VEXcode V5 Text programming software, and various VEX materials. Students will develop core computer programming logic and reasoning using a robotics context. Students will build on prior knowledge in order to continue to learn how to program robot behaviors using motors and rotation, sound, light, touch, and ultrasonic sensors, as well as a focus on engineering design and mechanical knowledge. Concepts covered in Robotics I are further developed.

760 PYTHON PROGRAMMING (University Of Pittsburgh)

1.0 Credit (+3 College Credits)

Full Year

Grades 9-12

Weighted Value 1.3

Python is an excellent choice for students as a first course in computer science programming. It is recommended for students intending to major in computer science. The focus of the course is on problem analysis and the development of algorithms and computer programs in a modern high-level language. The course will introduce procedural and object-oriented programming. Students will be graded on tests, quizzes, and projects. Python may be used as a prerequisite for Java Programming. The course may be taken for University of Pittsburgh credits. Python Programming counts towards either one math or science credit. It is suggested that students have taken Algebra I

WORLD LANGUAGE COURSE OFFERINGS

WORLD LANGUAGE COURSE DESCRIPTIONS

Course Number	Course Title	Recommended Grade	Number of Semesters Per Year	Unit of Credits Per Year	Weighted Value Per Course
258	French I*	9-12	2	1.0	1.0
260	German I*	9-12	2	1.0	1.0
262	Spanish I*	9-12	2	1.0	1.0
266	French II*	9-12	2	1.0	1.0
268	German II*	9-12	2	1.0	1.0
270	Spanish II*	9-12	2	1.0	1.0
274	French III*	10-12	2	1.0	1.1
276	German III*	10-12	2	1.0	1.1
278	Spanish III*	10-12	2	1.0	1.1
282	French IV*	11-12	2	1.0	1.1
284	German IV*	11-12	2	1.0	1.1
285	Spanish IV*	11-12	2	1.0	1.1
286	French V – Honors*	12	2	1.0	1.2
288	German V – Honors*	12	2	1.0	1.2
289	Spanish V – Honors*	12	2	1.0	1.2
758	French V- (PITT) *Students will receive 3 college credits upon successful completion	12	2	1.0	1.3

* Recommended for college preparatory program.

Students can choose to take two world languages at the same time. However, students should not sign up for two Level I courses at the same time.

258 FRENCH I

1 Credit

Full Year

Grades 9-12

Weighted Value 1.0

In this first-level course, the student will learn the skills of listening/understanding, speaking, reading, and writing in French. Students will concentrate on vocabulary building, pronunciation, and the fundamentals of French grammar. This course is designed for the college preparatory student who wishes to begin a sequence in a foreign language, and to gain exposure to foreign culture.

260 GERMAN I

1 Credit

Full Year

Grades 9-12

Weighted Value 1.0

In this first-level course, students will develop the skills of listening/understanding, speaking, reading, and writing in German. Students will concentrate on vocabulary building and pronunciation as well as the fundamentals of German grammar. This course is designed for academic students who wish to begin a sequence in a foreign language and to gain exposure to a foreign culture.

262 SPANISH I

1 Credit

Full Year

Grades 9-12

Weighted Value 1.0

In this first-level course, students will develop the skills of listening/understanding, speaking, reading, and writing in Spanish. Students will concentrate on vocabulary building and pronunciation, as well as the fundamentals of Spanish grammar. This course is designed for academic students who wish to begin a sequence in a foreign language and to gain exposure to a foreign culture.

266 FRENCH II

1 Credit

Full Year

Grades 9-12

Weighted Value 1.0

This course is a continuation of French I. The student will expand his/her conversational ability, increase vocabulary, and broaden reading and writing skills. He/she will also concentrate on essential components of grammar and continue to explore French culture.

268 GERMAN II

1 Credit

Full Year

Grades 9-12

Weighted Value 1.0

This course is a continuation of German I. Students will expand their conversational ability, increase their vocabulary, and broaden their reading and writing skills. Students will concentrate on using grammar correctly in their communication and will continue to explore German culture.

270 SPANISH II

1 Credit

Full Year

Grades 9-12

Weighted Value 1.0

This course is a continuation of Spanish I. Students will expand their conversational ability, increase their vocabulary, and broaden their reading and writing skills. Students will concentrate on using grammar correctly in their written and oral communication. Also, students will continue to explore Spanish culture.

274 FRENCH III

1 Credit

Full Year

Grades 10-12

Weighted Value 1.1

In this course, the student will come to a more advanced understanding of French through grammar and oral/written practice combined with elements of history, literature, and culture. Listening and speaking in the French language continue to be student activities that are integral to this course.

276 GERMAN III

1 Credit

Full Year

Grades 10-12

Weighted Value 1.1

In this course, students will practice using various types of grammar in their oral/written communication. Students will explore various legends, short stories, cultural topics, and history to achieve a more advanced understanding of German and German-speaking countries. As an integral part of this course, students will focus on improving their listening and speaking skills in German.

278 SPANISH III

1 Credit

Full Year

Grades 10-12

Weighted Value 1.1

In this course, students will practice using various types of grammar in their oral/written communication. Students will explore elements of history, literature, and culture to achieve a more advanced understanding of Spanish. As an integral part of this course, students will emphasize listening and speaking in the Spanish language.

282 FRENCH IV

1 Credit

Full Year

Grades 11-12

Weighted Value 1.1

In this course, the student will improve his/her written and oral expression through a more in-depth study of grammar as well as a review of fundamental elements of the language. He/she will increase cultural awareness through readings and classroom discussion.

284 GERMAN IV

1 Credit

Full Year

Grades 11-12

Weighted Value 1.1

In this course, students will concentrate on advancing their communicative ability in German. While reviewing the fundamental elements of the language, students will focus on the grammar skills and vocabulary necessary for good written and oral expression. Through literary selections, classroom discussions, and a study of history, students will increase their cultural awareness of German-speaking countries.

285 SPANISH IV

1 Credit

Full Year

Grades 11-12

Weighted Value 1.1

In this course, students will use more in-depth types of grammar, composition, and oral expression, as well as review the fundamental elements of Spanish. Students will participate in classroom discussions and read short stories which will increase their cultural awareness. Oral communication is emphasized in this course.

286 FRENCH V - HONORS

1 Credit

Full Year

Grade 12

Weighted Value 1.2

Prerequisite: 80% or better in French IV or teacher approval

In this course, the student will expand and strengthen his/her knowledge of vocabulary and grammar attained in previous levels. The student is expected to converse and write in French at a high level of proficiency, as well as comprehend and discuss various cultural readings and literary selections.

288 GERMAN V - HONORS

1 Credit

Full Year

Grade 12

Weighted Value 1.2

Prerequisite: 80% or better in German IV or teacher approval

This course is designed for students who wish to expand upon and strengthen their knowledge of vocabulary and grammar attained in the previous levels. Students will concentrate on conversing and writing in German at a higher level of proficiency as well as on comprehending and discussing various cultural themes, historical periods, and literary selections. Students will also study issues related to contemporary life in German-speaking countries.

289 SPANISH V- HONORS

1 Credit

Full Year

Grade 12

Weighted Value 1.2

Prerequisite: 80% or better in Spanish IV or teacher approval

In this course, the student will expand and strengthen his/her conversational technique. The student is expected to converse and write in Spanish at a high level of proficiency, as well as comprehend and discuss various cultural readings and literary selections.

758 FRENCH V-HONORS (University of Pittsburgh)

1 Credit (+ 3 College Credits)

Full Year

Grades 11-12

Weighted Value 1.3

Prerequisite: 80% or better in French IV or teacher approval

(Cost: \$225)

Through this course, students will be able to speak French well enough to ask and answer questions on a variety of topics; they will be able to talk about politics, social issues, the future, and the media. Gradually, they will find it easier to add detail to their statements and to link ideas together into more complex sentences. They should see an increased ability to reference past or future events with less hesitation and greater accuracy, and grasp main ideas and some supporting details in short conversations (spontaneous or recorded) pertinent to the topics mentioned above. The student is expected to converse and write in French at a high level of proficiency, as well as comprehend and discuss various cultural readings and literary selections.

HEALTH AND PHYSICAL EDUCATION COURSE OFFERINGS

Course Number	Course Title	Recommended Grade	Number of Semesters Per Year	Units of credits Per year	Weighted Value Per Course
315	Adaptive Physical Education (Administrative Placement)	9-12	1	0.5	1.0
321	Health Education	10	1	0.5	1.0
325	Speed, Agility and Quickness	9-12	1	0.5	1.0
327	Current Health Issues – Honors (not offered in 23-24)	11-12	1	0.5	1.2
329	Sports Medicine	11-12	1	0.5	1.0
331	CrossFit and Mobility	9-12	1	0.5	1.0
337	Sports Performance for Females	9-12	1	0.5	1.0
339	Sports Performance Elective	9-12	1	0.5	1.0
342	Physical Education, Girls	9-12	1	0.5	1.0
343	Physical Education, Boys	9-12	1	0.5	1.0

On June 12, 2019, Governor Wolf signed into law [Act 7 of 2019, formerly Senate Bill 115](#), which requires the Pennsylvania Department of Education (PDE) to create a curriculum for teaching CPR and includes lessons on the use of automatic external defibrillators (AEDs). The curriculum would teach “hands-only” CPR, a no-breath, compression-only method that the American Heart Association recommends for sudden cardiac arrest. The law would also require high school students to learn CPR prior to graduation. Pennsylvania joins nearly 40 other states that have passed similar laws.

[SB 115](#), which would require PDE to identify or develop a model curriculum and guidelines for instruction in cardiopulmonary resuscitation instruction (CPR) for students in grades 9-12, was approved as amended on June 5th by both the House and Senate and sent to the Governor’s desk for his signature. The curriculum must include information regarding hands-on training and on the purpose of an automated external defibrillator (AED). The instruction may be integrated into existing health courses. A school may use the model curriculum or develop its own. A teacher, instructor, or community volunteer may provide the instruction and would not have to be a certified CPR trainer. The person would be subject to required background checks. An individual who in good faith provides CPR instruction would not be liable for any civil damages as a result of any act or omission relating to the instruction. The CPR instruction must include the participation of an educator with a Pennsylvania certification, including certification in physical education, health education, or a school nurse.

Instruction on HIV/AIDS and other life-threatening and communicable diseases

Instruction regarding the prevention of human immunodeficiency virus (HIV) infection/acquired immunodeficiency syndrome (AIDS) and other life-threatening and communicable diseases are taught at Kennard-Dale High School. These classes include information about the nature of the diseases, treatment and cures, methods of transmission, and how infection can be prevented. Abstinence is stressed as the only completely reliable means of preventing the sexual transmission of diseases. For further information on the health curriculum, contact the Health and Physical Education Department Chairperson or the Building Administration.

HEALTH AND PHYSICAL EDUCATION COURSE DESCRIPTIONS

315 ADAPTIVE PHYSICAL EDUCATION

0.5 Credit

Semester

Grades 9-12

Weighted Value 1.0

Prerequisite: Administrative Placement ONLY

321 HEALTH EDUCATION

0.5 Credit

Semester

Grade 10

Weighted Value 1.0

This health course will provide students with learning opportunities to acquire knowledge and skills to promote lifetime personal wellness through applying responsible decision-making skills in daily life. Topics covered in this course are the following: personal mental wellness, First Aid/CPR/AED, relationships (dating responsibilities, sexuality, and birth control), STI's, HIV/AIDS education, drug/tobacco education, stress management, school safety, violence prevention, alcohol education, nutrition, fitness, and decision and career education.

325 SPEED, AGILITY AND QUICKNESS

0.5 Credit

Semester

Grades 9-12

Weighted Value 1.0

Prerequisite: PE Teacher/Coach recommendation.

This course is designed for students looking to enhance their speed, agility, and quickness for sports performance and is recommended for dedicated athletes. The majority of classes will occur on the track and will only be moved inside if it is raining. Classes will meet outside in colder weather. This class can be applied toward a required PE credit or taken as an elective, and can be taken more than one time.

327 CURRENT HEALTH ISSUES – HONORS (not offered in 23-24)

0.5 Credit

Semester

Grade 11-12

Weighted Value 1.2

Prerequisite: Teacher recommendation

Current Health Issues is an elective course that focuses on emerging trends in health including, but not limited to, (1) medical technology, (2) local, state, and national health policy, (3) health care issues, (4) health careers and (5) chronic and communicable diseases. The course is driven by student selection of topics and emphasizes individual learning techniques.

329 SPORTS MEDICINE

0.5 Credit

Semester

Grades 11-12

Weighted Value 1.0

Prerequisite: Health/PE Teacher recommendation

This course is geared for those students interested in the field of athletic training or physical therapy. The course will cover units on sport-related injury, prevention, rehabilitation, emergency preparedness/first aid, and taping. Students who take this course will have the opportunity to become student trainers under the supervision of the district's athletic trainer for additional on-the-job experience.

331 CROSSFIT and MOBILITY

0.5 Credit

Semester

Grades 9-12

Weighted Value 1.0

Prerequisite: PE Teacher/coach recommendation

This class focuses on athletic fitness; taking pieces of endurance, strength and metabolic training, while not specializing in any of them. Classes will use a mixture of bodyweight exercises, plyometric, free weights, and kettle bells, Olympic lifts, and other unorthodox exercises in a circuit training format. This class can be applied toward a required PE credit or taken as an elective, and can be taken more than one time.

337 SPORTS PERFORMANCE FOR FEMALES

0.5 Credit

Semester

Grades 9-12

Weighted Value 1.0

This class will offer the same curriculum as the Sports Performance elective, as a homogeneous class for females that may be apprehensive to approach strength training in a heterogeneous environment. All classes will be held in the weight room. This class can be applied toward a required PE credit or taken as an elective.

339 SPORTS PERFORMANCE ELECTIVE

0.5 Credit

Semester

Grades 9-12

Weighted Value 1.0

Prerequisite: PE Teacher/Coach recommendation

The course is designed for dedicated students interested in improving their sports performance or general fitness levels (muscular strength, muscular endurance, flexibility, body composition) through strength training and conditioning. All classes will be held in the weight room. This class can be applied toward a required PE credit or taken as an elective, and can be taken more than one time.

342 (Girls) or 343 (Boys) PHYSICAL EDUCATION

0.5 Credit

Semester

Grade 9-12

Weighted Value 1.0

Physical education for 9 through 12th grade will offer students an opportunity to engage in many of the specialized programs offered by the department. Students will get to participate in a mixture of Sports Performance, CrossFit, Speed Agility Quickness (SAQ), recreational games, and lifetime activities. Students also have the opportunity to take an elective class (Sports Performance, CrossFit, or SAQ) in lieu of the 9th - 12th grade PE class.

TECHNOLOGY EDUCATION COURSE OFFERINGS

Course Number	Course Title	Recommended Grade	Number of Semesters Per Year	Unit of Credits Per Year	Weighted Value Per Course
355	Foundations of Technology	9	1	0.5	1.0
357	Technical Education I	10-12	1	0.5	1.0
358	Design Engineering/Problem Solving	11-12	1	0.5	1.0
360	Architectural Drawing	11-12	1	0.5	1.0
361	CADD I - Computer Aided Drafting & Design	10-12	1	0.5	1.0
371	CADD II	10-12	1	0.5	1.0
372	Metal Technology	10-12	1	0.5	1.0
373	Wood Technology	10-12	1	0.5	1.0
374	Manufacturing	11-12	1	0.5	1.0
375	Furniture Repair/Refinishing	10-12	1	0.5	1.0
376	Electronics	11-12	1	0.5	1.0

TECHNOLOGY EDUCATION COURSE DESCRIPTIONS

355 FOUNDATIONS OF TECHNOLOGY

0.5 Credit

Semester

Grade 9

Weighted Value 1.0

The Foundations of Technology course is for all 9th graders. This exciting, hands-on course provides an overview of the systems areas of drafting, wood, and metal technology. Students, working alone or in groups, will build a foundation for technological literacy by developing, producing, testing, and assessing solutions to technological problems. Also, the impacts of technology will be analyzed.

357 TECHNICAL EDUCATION I

0.5 Credit

Semester

Grades 10-12

Weighted Value 1.0

This semester course is broken into a 3-unit survey course. The student will spend 6 weeks in each of the technical education areas offered at Kennard-Dale. Mechanical drawing, architectural drawing, material processes wood, metal forming processes hot and cold metal forming. The students will be given an introduction to each area and will engage in hands-on problem-solving projects in each area.

358 DESIGN ENGINEERING/PROBLEM SOLVING

0.5 Credit

Semester

Grades 11-12

Weighted Value 1.0

This course will help develop the student's problem-solving and critical-thinking skills. Students will be given a design brief or a problem with certain criteria. The student will then follow the technological design process in order to reach a solution that meets all criteria and succeeds. After each design brief, the students will reflect on their own solution and how well it worked or did not work and why. Any student interested in pursuing a career in engineering or architecture is encouraged to take this course.

360 ARCHITECTURAL DRAWING

0.5 Credit

Semester

Grades 11-12

Weighted Value 1.0

This is a semester course investigating different architectural styles and characteristics. The student will be required to design a normal drawing packet that will contain approximately eight drawings and perspectives of a residential dwelling. Any student interested in pursuing a career in engineering or architecture is encouraged to take this course.

361 CADD I - COMPUTER AIDED DRAFTING AND DESIGN

0.5 Credit

Semester

Grades 10-12

Weighted Value 1.0

This course is offered to students in Grades 10 through 12. In this course, the students will learn to read and draw several types of technical drawings. Students will learn to use AutoCAD Software and apply it to a variety of drawings. Any student interested in pursuing a career in engineering or architecture is encouraged to take this course.

371 CADD II

0.5 Credit

Semester

Grades 10-12

Weighted Value 1.0

In this course, the students will explore new techniques and commands using AutoCAD Software. Students will use this new information to develop assembly drawings. The drawings will represent the various parts of an overall assembly of a multi-pieced machine in three-dimensional forms. The class will also explore three-dimensional rotations if time permits. Any student interested in pursuing a career in engineering or architecture is encouraged to take this course.

372 METAL TECHNOLOGY

0.5 Credit

Semester

Grades 10-12

Weighted Value 1.0

The student will investigate the various metal working processes by making a project related to the casting area, forging area, and machine area. Tests will be given to determine student progress in theory and shop safety. This course will be open to students in Grades 10 through 12.

373 WOOD TECHNOLOGY

0.5 Credit

Semester

Grades 10-12

Weighted Value 1.0

This course is offered to students in Grades 10, 11, and 12. In this course, the students will develop a basic understanding of wood processes and products. In problem-solving activities, students will develop, produce, and assess wood products.

374 MANUFACTURING

0.5 Credit

Semester

Grades 11-12

Weighted Value 1.0

After completing an overview of how industry is structured, the student will select a major American company for research. The development, testing, manufacturing, marketing, and sales of a product manufactured in the school will be undertaken by the students. An actual company will be formed by the students to provide role-playing experiences at the various levels of influence in the hierarchy inherent to a major company.

375 FURNITURE REPAIR/REFINISHING

0.5 Credit

Semester

Grades 10-12

Weighted Value 1.0

This course will develop an awareness of the value of recycled furniture and the processes to obtain a quality finish will be stressed. The course will include the stripping process, the repair and replacement of parts, caning, and basic upholstery. Students must be prepared to supply their own projects for refinishing.

376 ELECTRONICS

0.5 Credit

Semester

Grades 11-12

Weighted Value 1.0

Electronics is an advanced course for students that are interested in electronics, engineering, or other technical areas. The course will cover A.C. and D.C. power, parallel and series circuits, electrical components, schematics and wiring diagrams, and building and testing circuits. By the end of the course, a student will be able to build and test a circuit by following a schematic and be able to use Ohm's Law competently.

AGRICULTURE EDUCATION COURSE OFFERINGS

Course Number	Course Title	Recommended Grade	Number of Semesters Per Year	Unit of Credits Per Year	Weighted Value Per Course
400A	Intro to Natural Resource Mgmt. & Agriculture A**	9-10	1	0.5	1.0
400B	Intro to Natural Resource Mgmt. & Agriculture B**	9-10	1	0.5	1.0
405A	Natural Resource Management II A**	10-12	1	0.5	1.0
405B	Natural Resource Management II B**	10-12	1	0.5	1.0
406A	Animal Care and Management A	10-12	1	0.5	1.0
406B	Animal Care and Management B	10-12	1	0.5	1.0
407A	Veterinary Science A**	11-12	1	0.5	1.0
407B	Veterinary Science B**	11-12	1	0.5	1.0
408	Small Gas Engines	11-12	1	0.5	1.0
409A	Plant and Soil Studies I A	10-12	1	0.5	1.0
409B	Plant and Soil Studies I B	10-12	1	0.5	1.0
411	Supervised Agriculture Experience (SAE)	10-12	Independent Study	1.0	1.0
412A	Plant and Soil Studies II A**	11-12	1	0.5	1.0
412B	Plant and Soil Studies II B**	11-12	1	0.5	1.0
414	Advanced Equine Science	11-12	1	0.5	1.0
417	NOCTI Prep (not offered 23-24)	12	1	0.5	P/F
421	Agribusiness and FFA Leadership	11-12	2	1.0	1.0
** Eligible for one science credit towards graduation requirements.					
<ul style="list-style-type: none"> Students enrolled in agriculture courses are members of FFA. 					

KDHS Agriculture Education Scope and Sequence

9 th	10 th	11 th	12 th
Introduction to Natural Resource Management and Agriculture 1 credit (science) (156 hours)	Natural Resource Management II (may take in grades 10, 11, or 12) 1 credit (science/articulation) (156 hours)	Small Gasoline Engines (may take in grade 11 or 12) .5 credit (78 hours)	FFA Leadership (may take in grade 11 or 12) 1.0 credit (156 hours)
	OR	OR	OR
	Animal Care and Management (may take in grades 10, 11, or 12) 1 credit (156 hours)	Veterinary Science (may take in grade 11 or 12) 1 credit (science/articulation) (156 hours)	Advanced Equine Science (may take in grade 11 or 12) .5 credit (science)
	OR	OR	AND/OR
	Plant and Soil Studies I 1 credit (156 hours)	Plant and Soil Studies II (may take in grade 11 or 12) .5 credit (science) (156 hours)	NOCTI Prep Course (Only can be taken by current seniors who will have completed 4 or more other agriculture courses by the end of their senior year.) 1 credit – pass/fail
	AND/OR	AND/OR	AND/OR
	Supervised Agriculture Experience 1 credit (120 hours)	Supervised Agriculture Experience 1 credit (120 hours)	Supervised Agriculture Experience 1 credit (120 hours)

NOTES:

** Multiple courses can be taken each year. Students are encouraged to choose a pathway and create a class schedule that best meets their individual interests. (Ex: taking animal science-related courses consecutively and building knowledge upon the previous year)

**Students will receive credit from Delaware Valley University, if they attend, for articulated courses in which they complete with an 80% or higher.

Students who enter the Agriculture Education Program have many opportunities for personal and professional growth throughout their high school careers. By incorporating all three parts of agriculture education into their course study (Classroom/Lab Instruction, FFA, and Supervised Agriculture Experience) students can get the whole experience. A student who progresses through the agriculture education program and takes 480 hours or more will be categorized as a CTE Concentrator and ultimately a CTE Completer.

Being a CTE Concentrator provides the students the opportunity to take the Pennsylvania Agricultural Production Operations NOCTI Exam. Those who qualify to take the exam will be identified after course selection during their junior year. The exam consists of a multiple-choice test and various practicums. The NOCTI exam is a national occupational competency exam and provides students with a certificate of valid competency credentials that they can possibly get college credit for, or use to enter the workforce.

AGRICULTURE EDUCATION COURSE DESCRIPTIONS

Semester agriculture (A) and (B) electives must be selected in pairs.

400A INTRODUCTION TO NATURAL RESOURCE MANAGEMENT & AGRICULTURE A

0.5 Credit (*Eligible for science credit*)
(74 hours)

Semester

Grades 9-10

Weighted Value 1.0

Students will study various areas within natural resource conservation and agriculture. Students will focus their studies on the following topics: natural resources and agriculture, history of forest conservation, introductory forest management, tree biology, tree identification, grassland & rangeland management, soil resources, and land management. Lectures, projects, research papers, and labs related to the topics will be part of the course requirements. Students will be exposed to career opportunities, environmental concerns, and related agricultural issues throughout the semester.

400B INTRODUCTION TO NATURAL RESOURCE MANAGEMENT & AGRICULTURE B

0.5 Credit (*Eligible for science credit*)
(74 hours)

Semester

Grades 9-10

Weighted Value 1.0

Students will study various areas within natural resource conservation and agriculture. Students will focus their studies on the following topics: history of wildlife conservation, game management, freshwater fisheries management, water use planning, and energy resources. Lectures, projects, research papers, and labs related to the topics will be part of the course requirements. Students will be exposed to career opportunities, environmental concerns, and related agricultural issues throughout the semester.

405A NATURAL RESOURCE MANAGEMENT II A

0.5 Credit (*Eligible for science credit*)(74 hrs) Semester

Grades 10-12

Weighted Value 1.0

Prerequisite: 80% or better in Introduction to Natural Resource Management and Agriculture

Articulated course with Delaware Valley University – Students who pass with an 80% or better will receive college credit.

This course is designed for students who have an interest in the environment and/or who plan to major in a college program related to the environmental field. Students will focus their studies on forest and wildlife management, land navigation, introductory aquaculture and aquaponics, and Trout in the Classroom. Students will incorporate GPS technology throughout the forest field studies. Lectures, projects, research papers, labs, and field studies related to the topics will be part of the course requirements.

405B NATURAL RESOURCE MANAGEMENT II B0.5 Credit (*Eligible for science credit*)(74 hrs) Semester

Prerequisite: 80% or better in Introduction to Natural Resource Management and Agriculture

*Articulated course with Delaware Valley University – Students who pass with an 80% or better will receive college credit.***Grades 10-12**

Weighted Value 1.0

This course is designed for students who have an interest in the environment and/or who plan to major in a college program related to the environmental field. Students will focus their studies on forest and wildlife management, land navigation, introductory aquaculture and aquaponics, and Trout in the Classroom. Students will incorporate GPS technology throughout the forest field studies. Lectures projects, research papers, labs, and field studies related to the topics will be part of the course requirements.

406A ANIMAL CARE AND MANAGEMENT A

0.5 Credit (74 hours)

Semester

Grades 10-12

Weighted Value 1.0

During the first semester of this course, students will focus on learning about domesticated small animal pet species and the small animal industry. Students spend time learning about safety when handling animals, zoonotic diseases, as well as an in-depth study of animal rights, animal welfare, and current controversial issues involving domesticated animal species. Students will study, in-depth animal species including but not limited to; hamsters, gerbils, guinea pigs, chinchillas, rabbits, dogs, and cats, learning about characteristics, breeds, nutrition, housing, reproduction, common diseases, and much more. Students will learn through lectures, labs, research, debate, as well as individual and group projects. Students will have the opportunity to work hands-on with classroom pets and will be exposed to a variety of career opportunities within the animal sciences.

406B ANIMAL CARE AND MANAGEMENT B

0.5 Credit (74 hours)

Semester

Grades 10-12

Weighted Value 1.0

During the second semester of this course, students will focus on learning about common domesticated large animal species and livestock production. Emphasis will be placed on the use and purpose of animals within the large animal industry and steps that are taken to ensure a safe food supply from farm to table. Students will gain in-depth knowledge of basic management practices, breeds, nutrition, housing, reproduction, common diseases, and much more through lectures, labs, research, debate, as well as individual and group projects. Species studied include but are not limited to the following: beef cattle, dairy cattle, swine, sheep, goats, horses, and poultry.

407A VETERINARY SCIENCE A0.5 Credit (*Eligible for science credit*)(74 hrs) Semester

Prerequisite: 80% or better in Biology I or Animal Care and Management

*Articulated course with Delaware Valley University – Students who pass with an 80% or better will receive college credit.***Grades 11-12**

Weighted Value 1.0

During the first semester of this course, students will explore careers related to veterinary medicine, as well as learn the steps to successfully gaining a career. Learning will take place in various settings such as: lectures, labs, projects, activities, and dissection, all with a high academic emphasis. Students will learn basic veterinary medical terminology, as well as review basic cell biology. Through a Safety and Sanitation Unit, students will participate in a required 10-hour OSHA certification program, and learn about safety within a veterinary hospital. Many hands-on experiences are gained through a unit on clinical exams and hospital procedures in which students demonstrate their learning on how to fill a prescription, injection safety, suturing techniques, taking temperature, pulse and respiration, and much more.

407B VETERINARY SCIENCE B0.5 Credit (*Eligible for science credit*)(74 hrs) Semester

Prerequisite: 80% or better in Biology I or Animal Care and Management

*Articulated course with Delaware Valley University – Students who pass with an 80% or better will receive college credit.***Grades 11-12**

Weighted Value 1.0

During the second semester of this course, students will have an in-depth study of the anatomy and physiology of animal species through high-level science. Units to be covered include but are not limited to: respiratory,

circulatory, muscular, skeletal, digestive and reproductive systems. Learning will take place in various settings such as the following: lectures, labs, projects, activities, and dissection. Overall, this course provides great preparation for a career in the animal industry or veterinary medical field.

408 SMALL GAS ENGINES

0.5 Credit (74 hours)

Semester

Grades 11-12

Weighted Value 1.0

Students will learn the theory and hands-on application of two and four stroke engine operation and repair. Content will include the following: compression, ignition, and electrical systems, carburetor and fuel systems, lubrication and maintenance of two and four stroke engines. Students will conduct their initial studies on a school-provided four stroke Briggs & Stratton engine. Each student will be responsible for providing a four stroke engine to complete their course of study. Students will use their engine operation knowledge and troubleshooting skills to diagnose and repair their engines.

409A Plant and Soil Studies I A

0.5 Credit (74 hours)

Semester

Grades 10-12

Weighted Value 1.0

This course will provide students the opportunity to study how botany, horticulture, and environmental studies are all integrated into the 21st century. Student academic studies will focus on botanical interests with an emphasis on Plant Classification, Plant and Soil Science, Tree Specie Identification, and Christmas Wreath design. Lectures, projects, research papers, and labs related to the topics will be a major part of the course requirements. Students will also have exposure to working within the campus flower gardens.

409B Plant and Soil Studies I B

0.5 Credit (74 hours)

Semester

Grades 10-12

Weighted Value 1.0

Student academic studies will focus on botanical interests with an emphasis on Integrated Pest Management, Flowering Plant Identification, Hydroponics, and Landscape Design. Lectures, projects, research papers, and labs related to the topics will be a major part of the course requirements. Students will also have exposure to working within the campus flower gardens.

411 SUPERVISED AGRICULTURE EXPERIENCE (SAE)

1 Credit (120 hours)

Independent Study

Grades 10-12

Weighted Value 1.0

Students with an SAE project learn by doing. With the help of their agriculture teachers, and other mentors, students develop an SAE project based on their interests and desired path for a future career. Students can choose from a variety of SAE categories including; Exploratory, Placement, Research, or Entrepreneurship. Students will be required to complete all assignments, as well as keep up-to-date records online via the Agriculture Experience Tracker (AET) platform. Students can take SAE each year in high school. He/she should plan to build up their SAE each year, with the help of teacher/parent input. Students with SAEs have the opportunity to advance through FFA and receive a variety of Degrees or Awards that can lead to scholarship opportunities in the future.

This course does not meet during the scheduled school day. Students are expected to complete assignments on their own and schedule meeting times with the course advisor. Students need instructor approval to be scheduled for this class.

412A Plant and Soil Studies II A

0.5 Credit (*Eligible for science credit*)(74 hrs) Semester

Grades 11-12

Weighted Value 1.0

Prerequisite: 80% or better in Biology I or Horticulture I

Students will receive credit from Delaware Valley University, if they attend, for articulated courses in which they complete with an 80% or higher.

In this course, students will study all aspects of the horticulture industry including ornamental horticulture, olericulture, and pomology. Students will explore career opportunities within the horticulture industry. Students will successfully learn how to grow a crop of Poinsettias, as well as learn how to grow crops utilizing hydroponic technology. Students will also complete an in-depth study of the floriculture industry through a

floral design unit. Hands-on experience will be facilitated in the school greenhouse facility. Throughout the year, students will be held accountable for participation and maintenance of plants during and outside of class time.

412B Plant and Soil Studies II B

Grades 11-12

0.5 Credit (*Eligible for science credit*)(74 hrs) Semester

Weighted Value 1.0

Prerequisite: 80% or better in Biology I or Horticulture I

In this course, students will expand their knowledge and learn about greenhouse systems, designs and production, and plant identification. A more in-depth look will be taken at landscape design as well. Students will utilize their knowledge to grow a variety of spring bedding plants in the school's greenhouse facility. This course will have a math and science emphasis. Students will learn through lectures, labs, projects, and research. Creativity and the ability to work efficiently both individually and as a team is encouraged and desired. Students will be held accountable for participation and maintenance of plants during and outside of class time.

414 ADVANCED EQUINE SCIENCE

Grades 11-12

0.5 Credit (Eligible for science credit) Semester

Weighted Value 1.0

Prerequisite: Teacher approval and an 80% or better in one of the following courses: Biology I or Animal Care and Management

Students taking this course will take an independent approach to learn scientific topics specific to the equine industry such as the following: breeds, anatomy, and physiology, disease, management and equipment, nutrition, etc. This college prep level course has a strong math and science emphasis. This course provides a final sequence of study for students interested in careers in the animal industry and the field of veterinary medicine.

417 NOCTI PREP (not offered in 23-24)

Grade 12

0.5 Credit

Semester

Pass/Fail

Through an online platform, students will review a variety of content areas within agriculture education including the following: Agribusiness Systems, Animal Systems, Biotechnology Systems, Food Products, and Processing Systems, Environmental and Natural Resource Systems, Plant and Soil Systems, Power Structural and Technical Systems, Leadership, and Supervised Agriculture Experience. The purpose of this course is to reiterate important concepts about agricultural production operations to prepare them for the NOCTI Exam, a work-based competency assessment, that will be taken in the spring. Students will receive 0.5 credit for this pass/fail course. The course must be completed before April 15th in the spring semester of their senior year.

421 AGRIBUSINESS AND FFA LEADERSHIP

Grades 11-12

1.0 Credit (74 hrs)

Full Year

Weighted Value 1.0

A current FFA member or a student who would like to become an FFA member may enroll in this course. This course focuses on teaching students personal and professional development through topic discussion, leadership, communication, team building, program planning, public speaking, parliamentary procedure, problem-solving, goal setting, and employability skills. Students will use their knowledge, prior experience, and creativity to work both individually and as a team on a variety of projects that impact the school, community, and agriculture education program. All students in this class will complete a Supervised Agricultural Experience project book.

FAMILY AND CONSUMER SCIENCE COURSE OFFERINGS

Course Number	Course Title	Recommended Grade	Number of Semesters Per Year	Unit of Credits Per Year	Weighted Value Per Course
454	General Foods	9-12	1	0.5	1.0
468	Baking/Pastry Arts	10-12	1	0.5	1.0
472	Advanced Foods	10-12	1	0.5	1.0
474	Chef Foods (not offered in 23-24)	10-12	1	0.5	1.0
476	Family Life	9-10	1	0.5	1.0
477	Apparel Development (not offered in 23-24)	9-12	1	0.5	1.0

FAMILY AND CONSUMER SCIENCE COURSE DESCRIPTIONS

454 GENERAL FOODS

0.5 Credit

Semester

Grades 9-12

Weighted Value 1.0

Students in this course will learn basic food preparation skills and equipment, proper ways to safeguard and maintain their own and their family's health, the importance of reading recipes and preparing foods in a timely manner, the essential nutritional needs of our bodies, and how to plan healthy and nutritional meals.

468 BAKING/PASTRY ARTS

0.5 Credit

Semester

Grades 10-12

Weighted Value 1.0

Prerequisite: General Foods

Students will identify the cultural significance of bread while learning the proper method of preparing and baking bread and exploring the art of pastries including cakes, cookies, pies, and candy.

472 ADVANCED FOODS

0.5 Credit

Semester

Grades 10-12

Weighted Value 1.0

Prerequisite: General Foods

Students will study industry standards in sanitation through the Servesafe Program. This class will focus on dairy and eggs, fruits, vegetables, and protein which are food groups that are also the building blocks for a healthy diet.

474 CHEF FOODS (not offered in 23-24)

0.5 Credit

Semester

Grades 10-12

Weighted Value 1.0

Prerequisite: General Foods

Students will learn about various dishes prepared by chefs on a daily basis including soups, salads, casseroles, and pasta. Also included in this course is the preparation of food appropriate for special occasions such as parties, buffets, and brunch.

476 FAMILY LIFE

0.5 Credit

Semester

Grades 9-10

Weighted Value 1.0

Students in this course will define and analyze the family life cycle and how each stage is important to the growth and development of the family. Specifically, students will study the characteristics that make up a family and its individual members, the importance of roles, relationships, and love within and outside the family, the challenges and rewards of parenting, and the impact of today's ever-changing society on the family.

477 APPAREL DEVELOPMENT (not offered in 23-24)**Grades 9-12**

0.5 Credit

Semester

Weighted Value 1.0

Focusing on the development of basic skills in apparel selection, fashion design, and garment construction, students will learn how to operate the sewing machine to construct apparel items. Sewing techniques learned in this course will provide the foundation for design skills and advanced clothing construction. Students will also examine the effects of technology, legislation, and scientific advances on clothing and fashion design and construction.

ART COURSE OFFERINGS

Course Number	Course Title	Recommended Grade	Number of Semesters Per Year	Unit of Credits Per Year	Weighted Value Per Course
501	Art History	9-12	1	0.5	1.0
502	Art I	9-12	1	0.5	1.0
504	Drawing I	10-12	1	0.5	1.0
506	Drawing II	10-12	1	0.5	1.0
507	Drawing III	11-12	1	0.5	1.0
508	Art II	10-12	1	0.5	1.0
510	Art III	10-12	1	0.5	1.0
512	Art IV	11-12	1	0.5	1.0
515	Creative Advertising	11-12	1	0.5	1.0
516	Illustration	11-12	1	0.5	1.0
517	Ink and Watercolor Media	10-12	1	0.5	1.0
521	Digital Art	10-12	1	0.5	1.0
522	Painting I	11-12	1	0.5	1.0
524	Painting II	12	1	0.5	1.0
518	Global Arts	10-12	1	0.5	1.0

Semester art electives are to be selected in pairs as shown below:

504 Drawing I	and	506 Drawing II
507 Drawing III	and	516 Illustration
502 Art I	and	508 Art II
510 Art III	and	522 Painting I
512 Art IV	and	524 Painting II

ART COURSE DESCRIPTIONS

501 ART HISTORY

0.5 Credit

Semester

Grades 9-12

Weighted Value 1.0

Within this course, students will explore the development and evolution of the visual arts throughout history. From prehistoric cave art to modern-day street art, students will explore various art styles and movements chronologically through a variety of resources and hands-on art projects.

502 ART I

0.5 Credit

Semester

Grades 9-12

Weighted Value 1.0

This course is an introductory class. Various areas of art are explored such as drawing, painting, design, and art history in a limited manner with as many different materials as possible.

504 DRAWING I

0.5 Credit

Semester

Grades 10-12

Weighted Value 1.0

Students will explore many different theories of drawing and use a variety of techniques. The pencil will be the primary media used. Sketching, perspective, contours, and still-lives will be some of the subject matter emphasized.

506 DRAWING II

0.5 Credit

Semester

Grades 10-12

Weighted Value 1.0

Prerequisite: Drawing I

This course builds upon skills covered in Drawing I, particularly the use of shading/value. Portraiture is a primary focus of Drawing II, and sketchbooks will be maintained throughout the course. Colored pencils will also be introduced and explored.

507 DRAWING III

0.5 Credit

Semester

Grades 11-12

Weighted Value 1.0

The focus of Drawing III will be the continued advancement of drawing skills through a series of upper-level projects. Students will be given an opportunity to further develop their drawing abilities, giving them a solid foundation for a post-high school art program. Portfolios will be assembled to assist students pursuing art at the collegiate level.

508 ART II

0.5 Credit

Semester

Grades 10-12

Weighted Value 1.0

Students will further develop skills learned in previous art classes through a variety of materials with increased opportunities for creative expression. (Art I is NOT needed as a prerequisite.)

510 ART III

0.5 Credit

Semester

Grades 10-12

Weighted Value 1.0

Prerequisite: Art II

Students will explore new techniques and refine skills previously learned. Students can expect to explore familiar materials in creative new ways.

512 ART IV

0.5 Credit

Semester

Grades 11-12

Weighted Value 1.0

Prerequisite: Previous art course

Students will have opportunities to select many of the materials and subjects for their artwork. An emphasis will be placed on creativity as well as viewer engagement.

515 CREATIVE ADVERTISING

0.5 Credit

Semester

Grades 11-12

Weighted Value 1.0

Students will work with various techniques and approaches to advertising. Students will create advertisements for clubs, activities, and events of their choosing within our school and district.

516 ILLUSTRATION

0.5 Credit

Semester

Grades 11-12

Weighted Value 1.0

Prerequisite: Drawing I and II

Students will apply skills from Drawing I and II to the process of creating visual narratives, using concepts such as storyboarding, character design, perspective/point-of-view, and symbolism. Projects are drawing-intensive, but based more on the students' imaginations than photographic representation; illustration exercises will include comic book layout/design and the interpretation of written works through visual means.

517 INK AND WATERCOLOR MEDIA

0.5 Credit

Semester

Grades 10-12

Weighted Value 1.0

Prerequisite: Previous art course

Students will explore the mediums of watercolor and ink through a variety of painting, drawing, and mixed-media projects. Students will explore various subject matters in their work in this upper-level art course.

521 DIGITAL ART

0.5 Credit

Semester

Grades 10-12

Weighted Value 1.0

The focus of Digital Art is the planning, design, and generation of digital artwork using computers – specifically the Adobe Illustrator, Photoshop, and InDesign programs. Graphic design principles and practices will also be emphasized.

522 PAINTING I

0.5 Credit

Semester

Grades 11-12

Weighted Value 1.0

Prerequisite: Previous art course

The student will explore many different theories of painting and will use a wide variety of techniques and media. The students will concentrate on practicing and improving their painting skills.

524 PAINTING II

0.5 Credit

Semester

Grades 12

Weighted Value 1.0

Prerequisite: Painting I

The student will expand and improve on techniques and medias that were covered in Painting I. Individual project assignments will be designed to meet a student's needs.

518 GLOBAL ARTS

0.5 Credit

Semester

Grades 10-12

Weighted Value 1.0

Students will explore a variety of world cultures and their traditional art forms through the creation of unique, hands-on student art projects.

MUSIC COURSE OFFERINGS

Course Number	Course Title	Recommended Grade	Number of Semesters Per Year	Unit of Credits Per Year	Weighted Value Per Course
551	Digital Music Production I	9-12	1	0.5	1.0
558	Chorus	9-12	2	1.0	1.0
562	Voice Training	9-12	1	0.5	1.0
564	Music Theory	10-12	1	0.5	1.0
565	AP Music Theory	11-12	1	0.5	1.3
569	Digital Music Production II	9-12	1	0.5	1.0
570	Digital Music Production III	10-12	1	0.5	1.0
571	Choral Ensemble (Concert Choir)	10-12	2	1.0	1.0
572	Choral/Instrumental Music	9-12	2	1.0	1.0
573	Instrumental Music	9-12	2	1.0	1.0
575	Music Industry Production Design	9-12	1	0.5	1.0
554	American Popular Music	9-12	1	0.5	1.0

MUSIC COURSE DESCRIPTIONS

551 DIGITAL MUSIC PRODUCTION I

0.5 Credit

Semester

Grades 9-12

Weighted Value 1.0

Students will create music using music production software such as GarageBand. Some basic music theory and piano keyboarding skills will be developed. Emphasis will be placed on student originality and creativity.

558 CHORUS

1 Credit

Full Year

Grades 9-12

Weighted Value 1.0

Chorus is designed to provide instruction in basic techniques of choral singing and to provide opportunities for rehearsal and performance in a mixed voice (SATB) setting. Several required evening or weekend concerts and other performances are presented each year in which a variety of music is performed.

562 VOICE TRAINING

0.5 Credit

Semester

Grades 9-12

Weighted Value 1.0

Prerequisite: Teacher approval

Voice Training will provide students with more definite vocal instruction than can be accomplished in the large group chorus setting. Emphasis is on individual vocal development. The course is open to students in grades 9 through 12. Participation in Chorus or Concert Choir is not a prerequisite. Students will be required to sing individually for evaluation. Students electing this course more than once will study advanced concepts in vocal technique and more challenging vocal literature.

564 MUSIC THEORY

0.5 Credit

Semester

Grades 10-12

Weighted Value 1.0

Prerequisite: Membership in a performing ensemble or previous music course

Music Theory is offered for students in grades 10 through 12 who desire to improve their ability to read and interpret music notation. It is designed to help instrumental and vocal students improve their performance skills through ear training. Students will learn to identify music intervals and chords by ear, to perform music dictation, and to use syllables in singing intervals, scales, and easy songs. Students will be required to sing individually for evaluation.

565 AP MUSIC THEORY

0.5 Credit

Semester

Grades 11-12

Weighted Value 1.3

Prerequisite: 80% or better in Music Theory

This fast-paced course in music theory, ear training, and sight-singing is for students who may pursue advanced study in music beyond high school. In addition to the study of scales, intervals, and chords, students will also learn advanced concepts of musical structure and will learn to write four-part harmonization. Participation in this class will help prepare the student to take the Advanced Placement examination in Music Theory.

569 DIGITAL MUSIC PRODUCTION II

0.5 Credit

Semester

Grades 9-12

Weighted Value 1.0

Prerequisite: 80% or better in Digital Music Production I

This course will provide students with more advanced music production studies, including audio editing, the recording of live sound, and sampling, using digital audio workstation computer software such as Logic and Ableton Live. Emphasis will be placed on student originality and creativity.

570 DIGITAL MUSIC PRODUCTION III

0.5 Credit

Semester

Grades 10-12

Weighted Value 1.0

Prerequisite: Digital Music Production II

This course will focus on sampling, mixing, remixing, live performance, and DJ-ing. Students will learn advanced features of digital audio workstations like Logic and Ableton Live. Emphasis will be placed on student originality and creativity.

571 CHORAL ENSEMBLE (CONCERT CHOIR)

1 Credit

Full Year

Grades 10-12

Weighted Value 1.0

Prerequisite: Spring Audition

Concert Choir is designed to provide instruction in advanced techniques of choral singing and to provide opportunities for choral rehearsal and performance. Several required evening or weekend concerts and other performances are presented each year in which a variety of music is performed. Students may audition for Concert Choir each year and it will be scheduled to accommodate students involved in Instrumental Music.

572 CHORAL/INSTRUMENTAL MUSIC

1 Credit

Full Year

Grades 9-12

Weighted Value 1.0

Prerequisite: Audition or teacher approval

Choral/Instrumental Music is for students in Grades 9-12 who want to participate in both a choir and an instrumental ensemble (Concert Band or Orchestra). Several required evening or weekend concerts and other performances are presented each year in which a variety of music is performed.

573 INSTRUMENTAL MUSIC

1 Credit

Full Year

Grades 9-12

Weighted Value 1.0

Prerequisite: Audition or teacher approval

Students in grades 9 through 12 who have attained at least an average level of ability on a Band or Orchestra instrument and/or want to continue participation in Concert Band and/or Orchestra are eligible to register for Instrumental Music. Several required evening or weekend concerts and other performances are presented each year in which a variety of music is performed.

575 MUSIC INDUSTRY PRODUCTION DESIGN

0.5 Credit

Semester

Grades 9-12

Weighted Value 1.0

Students taking Musical Productions Techniques will learn skills in the operation of sound, lighting and rigging equipment, as well as set construction and painting that is used in a variety of concert and musical productions in the auditorium. Training will include the application of techniques learned in actual production settings. Students electing the class for a second year will help mentor new students in the class and will also be involved in more advanced production projects.

554 AMERICAN POPULAR MUSIC

0.5 Credit

Semester

Grades 9-12

Weighted Value 1.0

The purpose of this course is to expose the student to American popular music. It includes an examination of the major styles of popular music, social and economic factors that contributed to the development of these styles, and important composers and performers associated with each style. Styles of music to be covered may include country, jazz/blues, rock, pop, and hip-hop/rap.

COURSE DIRECTORY

Course	Page
3D Animation	39
Accounting.....	39
Adaptive Physical Education	45
Advanced Equine Science	53
Advanced Foods.....	54
Agriculture Education Course Offerings	49-50
Algebra I – A, B, CP.....	28
Algebra II – CP, H.....	28-29
Algebra III – CP	29
American Popular Music.....	61
Analytic Geometry and Calculus 1 and 2	31
Anatomy and Physiology – H.....	36
Animal Care and Management A and B.....	51
AP Calculus (AB)(BC).....	30
AP English: Language and Composition.....	14
AP English: Literature and Composition.....	15
AP European History.....	26
AP Music Theory.....	60
AP Physics 1	34
AP Physics 2.....	34
AP United States History.....	25
Apparel Development.....	55
Applications of Algebra.....	28
Architectural Drawing	47
Argument	19
Art Course Offerings	56
Art History	56
Art I.....	56
Art II, III and IV.....	57
Baking/Pastry Arts.....	54
Basic Applied Statistics	31
Biology I – Applied, CP, H	33-34
Business Calculus	30
Business Education Course Offerings/Recommended Sequence.....	36
CADD I and II - Computer Aided Drafting and Design	47-48
Calculus	30
Career Readiness.....	38
Chef Foods.....	54
Chemistry I – Applied, CP, H.....	34
Choral Ensemble (Concert Choir)	60
Choral/Instrumental Music	60
Chorus.....	59
Civics and Economics.....	23
Consumer Mathematics	28
Creative Advertising.....	57
Creative Writing	18
CrossFit and Mobility	45
Cultural Geography	24
Current Health Issues - H	45
Cyber Security and the Law.....	40
Design Engineering/Problem Solving	47
Digital Art.....	58
Digital Marketing.....	38
Digital Music Production I, II and III.....	59-60
Discrete Mathematics	30
Drama	19

Course	Page
Drawing I, II, and III	56-57
Electronics	48
English – 9, 10, 11 and 12	13-16
English Composition I (HACC)	15
English Course Offerings/Recommended Sequence	11
Externship	39
Family and Consumer Science Course Offerings	54
Family Life	54
FFA Leadership	53
Film Studies	19
Foundations of Technology	47
French - I, II, III, IV, V-H	41-43
Furniture Repair/Refinishing	48
General Biology I	36
General Chemistry 1	36
General Course Offerings	10
Geometry – CP and H	29
German – I, II, III, IV and V-H	41-43
Gifted Seminar	11
Global Arts	58
Gourmet Foods	53
Health and Physical Education Course Offerings	44
Health Education	45
Holocaust Studies	25
Plant and Soil Studies – I A and B	52
Plant and Soil Studies – II A and B	53
Humanities	18
Illustration	57
Ink and Watercolor Media	57
Instrumental Music	60
Integrated Science	33
Internship in the Classroom	39
Introduction to Business	38
Introduction to Natural Resource Management and Agriculture A and B	50
Introduction to Psychology	26
Journalism I and II	17
Manufacturing	48
Marketing	38
Mathematics Course Offerings/Recommended Sequence	26
Media Production (KRAM) – I and II	18-19
Metal Technology	48
Microsoft Powerpoint and Publisher	39
Microsoft Word and Excel	38
Military History/20 th Century Conflicts	25
Mock Trial	26
Music Course Offerings	59
Music Theory	59
Musical Industry and Production Design	61
Natural Resource Management II A and B	50-51
NOCTI Prep	53
Painting – I and II	58
Personal Finance	38
Philosophy	17
Physical Education	46
Physics I – Applied and CP	35
Programming With JAVA	39
Psychology	26
Python Programming	40

Course	Page
Reading Intervention	11
Real World English.....	17
Robotics.....	40
Science Course Offerings/Recommended Sequence	31
Science of Survival	35
Shakespeare	17
Small Gas Engines	52
Social Studies Course Offerings/Recommended Sequence	19
Sociology	25
Spanish – I, II, III, IV and V-H	41-43
Special Topics in Science.....	36
Speed, Agility, and Quickness.....	45
Sports Medicine	45
Sports Performance Elective.....	46
Sports Performance for Females.....	46
Statistics	31
Street Law – I	26
Supervised Agriculture Experience (SAE)	52
Technical Education I.....	47
Technology Education Course Offerings	47
The Impact of Sports on Culture	26
Trigonometry/Pre-Calculus – CP and H.....	30
U.S. Studies II.....	22
Veterinary Science A and B	51-52
Video Game Design.....	40
Voice Training	59
Web Design	38
Wood Technology	48
Work Program	40
World Language Course Offerings.....	41
Yearbook.....	19
Young Adult Literature.....	18

**Kennard-Dale High School
SENIOR WORK PROGRAM
2023 -2024 Guidelines**

ALL FORMS AND CLEARANCES ARE DUE MAY, 31 2023

Introduction

The Work Program, offered at Kennard-Dale High School, enables students to be released from school to go to work at an approved job with career opportunities. This program is for students who are interested in learning a vocation and gaining practical, on-the-job training during their senior year. It can prepare students for a broad range of occupations and enable them to relate their education to their career interests through actual employment. Practical work experience can be an invaluable advantage for students who are preparing for a particular career as well as for those who are searching for a suitable occupation. In order to be eligible, a student must meet the following criteria:

- A. Be at least sixteen (16) years of age and have achieved senior status.
- B. Be in good standing in academic and related areas, including low absentee record. *
- C. **All paperwork must be submitted to Mrs. Bontoyan in room 8 by May 31, 2023, in order to receive consideration for schedule changes.**
- D. Have received the recommendation of the school administration and Guidance Department.
- E. Be employed at an approved work site. (A suitable site is one which will develop specific skills applicable to a future career or employment, comply with federal and state child labor laws, pay a legal and reasonable wage, and have working hours which would require an early departure from school.)
- F. Be employed at an approved worksite that provides the management's copies of the state-required clearances to the South Eastern School District. These volunteer clearances include the Pennsylvania Child Abuse History Clearance (Act 151), the Pennsylvania State Police Background Check (Act 34), and the Registration ID Number to verify FBI- Federal Criminal History Record (Act 114). **Please note that employer clearances and the required employer paperwork in this packet must be attached to this packet in order for a student to be considered for the work program. Please give your employer the employer section of this packet.**
- G. If under 18, acquired a work permit.
- H. Have acquired the signature of his/her parents, employer, and school official and must have agreed to abide by the provisions of this commitment in order to continue participation.
- I. Provide his/her own transportation to and from employment site.
- J. Maintain a minimum of a 60% in all courses and maintain eligibility for graduation.
- K. Students may not be eligible to participate in the program due to graduation/course requirements.

***Note: Students who are absent or tardy more than five (5) unlawful absences per semester will be removed from the work release program and placed in academic classes.**

Kennard-Dale High School
SENIOR WORK PROGRAM
2023-2024 Guidelines

Insurance

It is strongly recommended that students who are not covered by their parent's insurance plans purchase the student accident insurance offered by the school. Kennard-Dale High School will not discriminate on the basis of sex, race, or handicap in admissions, educational programs, activities, and policies.

Academic Commitment

It should be understood that each student's academic program and responsibilities must take precedence over any other activity.

- A. He/she must maintain good academic standing throughout his/her participation. Failing grades could result in the student's removal from the privilege. A conference between the administration and the work coordinator will determine the student's further participation; guidance will be notified.
- B. The student will attend all classes for which he/she is scheduled, including the time periods affected by schedule adjustments (e.g. hour-delay schedule, testing, assemblies, etc.).
- C. In order to carry out all commitments and assignments, it is each student's responsibility to get the necessary information regarding any schedule changes or announcements.

Daily Dismissal

The administration will make every effort to adjust the student's schedule to accommodate early release; however, the school program must come first.

- A. The dismissal time for leaving school to attend work will be after the completion of the student's last class for the day. You must adhere to your assigned schedule that is given to you. If for any reason, your schedule needs to be modified, prior approval must be given from the work coordinator and/or administration. Failure to follow these rules may result in withdrawal from the program, as well as a failing grade for the work program.
- B. Before leaving school each day, the student must place his/her name and departure time on the sign-out form in the high school main office. Failure to follow these rules may result in one Saturday detention per episode, withdrawal from the program, as well as a failing grade for the Work Program.
- C. Once the student has been dismissed for the day, he/she is not to return to the school for any reason, unless prior arrangements have been made with the administration or Work Coordinator.
- D. If the work discharge is to be first thing in the morning, students must sign in at the Main Office immediately upon arriving at the high school.
- E. Early dismissals, snow days (delays to school), and "fun" days provided as school events that may modify school and/or work schedule must be communicated to an administrator and Work Coordinator for permission to leave school at normal school day schedule.

Attendance and Tardiness

An objective of the Work Program is to help students develop good work habits, attitudes, and satisfactory attendance, both at school and on the job. All students will be required to begin school at the regular daily opening time. No late arrival times will be scheduled.

- A. The student has an obligation to be at his/her place of employment at the time previously arranged with the employer and the school.
- B. Parents must report absences and reasons for absences to the school and to the student's employer at the earliest possible time. Absence on the job always requires the reassignment of duties to other employees; therefore, early notification to the employer is common courtesy. Calls to the school should be received no later than 8:05 AM. Therefore, if you are sick and cannot attend school, you need to make arrangements with your employer to find someone to cover your shift if you are scheduled the day you are absent from school. If you don't attend school, you don't go to work.
- C. If absence from school is due to medical or dental appointments, funerals, or other excusable activities, the appropriate school official/Work Coordinator should be notified no later than the day prior to the absence. Attendance at school or work would be possible following the excused activity.
- D. Students who are absent or tardy more than five (5) cumulative days per semester will be removed from the Work Program and placed in academic classes.

Rules & Athletics

The students are expected to abide by all rules and regulations of the employer and to work for the best interest of the employer. Additionally, students must abide by all school rules and regulations and make up detention or any other disciplinary obligation or risk the loss of this opportunity.

Any student interested in playing sports or participating in athletics must coordinate with the Work Coordinator, coach, administrator, and employer, as school schedule may change.

Termination of Employment

- A. If a student's job has been terminated for any reason, the school must be informed by the student immediately.
- B. If a student loses his/her job due to no fault of his/her own, a two-week period will be allowed for him/her to find other employment, or an administrative decision will be made. A written account of the job search will be submitted to the school during this time. It is the student's responsibility to secure a new position.
- C. If a job is lost due to unacceptable actions or poor work performance, release for work privilege will be revoked. The final decision in this circumstance will rest with the principal.
- D. No student may terminate his/her employment or accept other employment without first informing and securing the approval of the Work Coordinator.

To the employer:

Just as the student expects certain considerations from the employer, so will the employer expect several things from the student in return. The student will be expected to be dependable at all times, loyal to the company and the product, and honest in his/her dealings with the employer's time, money, and materials. The student should show an interest in learning all there is to know about the job and to progress satisfactorily in his/her employment position.

To the student:

Released time from school for work is a privilege. Student conduct, appearance, and attitudes will reflect upon Kennard-Dale High School; therefore, each student should conduct himself/herself in an orderly, responsible fashion at all times – both in school and on the job. Sufficient academic progress needs to be maintained as well as exemplary conduct.

**Kennard-Dale High School
SENIOR WORK PROGRAM
2023-2024 Guidelines**

SENIOR WORK PROGRAM

We, the parents/guardians of _____, who is presently enrolled as a student at Kennard-Dale High School, hereby request and give our complete permission for the placement of our son/daughter with _____ (name of company/employer) in the capacity of _____ (job description). We further declare that we desire this Work Program for our son/daughter absolve and release all persons, corporations, and the South Eastern School District from any obligations or liabilities which may arise as the result of our son/daughter's placement in this program. We acknowledge this program may be withdrawn due to academic or disciplinary situations.

Student Signature: _____ Date: _____

Parent/Guardian Signature: _____ Date: _____

Employer's Signature: _____ Date: _____

Counselor Signature: _____ Date: _____

Administrator Signature: _____ Date: _____

Work Coordinator: _____ Date: _____

- THE EMPLOYER MUST DESCRIBE THE STUDENT'S JOB, RESPONSIBILITIES, AND HOURS OF EMPLOYMENT UNDER THE JOB TASK SECTION.
- ALL PAPERWORK MUST BE SUBMITTED TO MRS. BONTOYAN IN ROOM 8 by **May 31, 2023** IN ORDER TO RECEIVE CONSIDERATION FOR SCHEDULE CHANGES.

To the Student,

The remainder of this packet is for the employer to complete, please see the guidelines below as to what paperwork is needed. If you are unsure if your employer has been approved in the past, please see Mrs. Bontoyan for the list of approved employers. You must submit the required documents from your employer for approval into the program.

For New Employers to the SEDS Work Experience Program:

If they are not an approved employer on the SEDS Work Experience list, they must complete the entire packet including getting their 3 volunteer clearances. Please have your employer contact Mrs. Bontoyan at bontoyanr@sed.k12.pa.us or call Kennard-Dale High School at 717-382-4871 with any questions on the packet. This packet must be completed and returned to Mrs. Bontoyan with the three clearances attached for approval into the program.

For Current Employers to the SEDS Work Experience Program:

If your employer is currently an approved employer, then all you need to do is have them complete page 1 of the employer portion with the information needed for your position.

KDHS Senior Work Program, Employer section page 1
ALL FORMS AND CLEARANCES ARE DUE MAY 31, 2023

TO: Work Experience Employers
FROM: Rachel Bontoyan, SEDS Work Experience Coordinator, bontoyanr@sesd.k12.pa.us, 717-382-4871
RE: Background Clearances

Thank you for your interest in participating in the Work Experience program for our students. This program is designed to better prepare students for the workforce by allowing students to go to work during part of their school day in order to apply learned concepts in a community job. This cannot be achieved without your support and efforts!

Pennsylvania made changes to help ensure the safety of our students under Act 15 of 2015. The Child Protective Services Law (CPSL) requires the supervisor of students participating in cooperative education, internships, work study, or similar programs to obtain new criminal background clearances (Child Abuse, State Police, and Federal FBI fingerprinting) every 5 years, complete the PDE 6004 form, sign a Self-Reporting Commitment form and acknowledgement of SEDS Policy # 916 and # 806. The supervisor for the student is required to be in the immediate vicinity at regular intervals during the program.

In an effort to make the process easier, the information below will direct you to where you may obtain these clearances.

Pennsylvania Child Abuse History Clearance (FREE, choose for volunteers)

<https://www.compass.state.pa.us/cwis/public/home>

You will have to create an account to register. It is not an instant clearance and still could take up to 14 days to process, but you will receive an email to access your clearance online.

Pennsylvania State Police Criminal Record Check (FREE, choose for volunteers)

<https://epatch.state.pa.us/Home.jsp>

In most cases, you will receive your record check within a few minutes. If not, they will send it to you.

Federal Bureau of Investigation Criminal Background Check (\$22.60, choose volunteer)

<http://uenroll.identogo.com/>

All applicants must register prior to going to the Fingerprint Center via the Identogo website (24 hours/day, 7 days/week) or call 1-844-321- 2101 (Monday – Friday, 8 am – 6 pm). WHEN YOU REGISTER, YOU MUST ENTER THE APPROPRIATE SERVICE CODE FOR PDE (PA DEPARTMENT OF EDUCATION, VOLUNTEERS): 1KG6Y3.

If you already have the FBI clearance from the Department of Public Welfare, we can accept this but we do need to see the original clearance that you received in the mail. If you are not able to present the original then you must do the one for the Department of Education.

You will pay a fee of \$22.60 for the fingerprint clearance (subject to change). Payment may be made using a debit or credit card, a Money Order, or Cashiers Check at the fingerprint location. Money Orders and Cashiers Checks must be made out to Morpho Trust. NO CASH or PERSONAL CHECKS will be accepted at the fingerprint sites. All applicants will receive an unofficial paper copy of the report at no additional cost to the applicant. Once your fingerprints are taken at the fingerprint location, you will be issued a receipt that will have your UEID (Universal Enrollment ID). This is the number you must provide to SEDS in order for SEDS to access your FBI clearance online. You must provide proof of identity upon arrival at the Fingerprint Center such as a state-issued driver's license, state ID card, passport, etc.

All three clearances must be obtained prior to your student starting to work and be within 5 years of submittal. You can also contact Tracey Kerr, Director of HR, kerrt@sesd.k12.pa.us if you have any questions on completing the clearance information. All clearance information will be kept confidential and on file for 5 years. This will approve you as a work experience employer and you will not have to complete it. Please contact me if you have any questions. Thank you for your attention to this matter.

KDHS Senior Work Program, Employer section page 2

**Kennard-Dale High School
SENIOR WORK PROGRAM, 2023-2024 Guidelines**

Employer Section (To be completed and signed by employer)

These forms must be completed and then approved before turning into the Guidance Office for scheduling purposes and prior to final approval. This does not guarantee immediate acceptance into the Work Program

Name of Business:

Business Address (Street, City, State, Zip):

Business Phone Number (area code & number) & E-mail

Contact Person (Name and Job Title)

Student's Job Tasks, Assignments, & Responsibilities

The following student _____ will be expected to perform the following job tasks:

- _____
- _____
- _____
- _____
- _____
- _____
- _____
- _____

Hours of Employment

Monday: _____

Tuesday: _____

Wednesday: _____

Thursday: _____

Friday: _____

Saturday: _____

Sunday: _____

Employer Signature: _____

KDHS Senior Work Program, Employer section page 3

Self-Reporting Commitment Form

I have never been named as a perpetrator in a founded or indicated report of child abuse.

Except as noted below, I have not been arrested or convicted for any of the following offenses under the Pennsylvania Crimes Code (Title 18 of the Pennsylvania Consolidated Statutes) or other statute as indicated below or similar crime under the law of any state, the United States, a United States territory or possession, the District of Columbia, the Commonwealth of Puerto Rico, or a foreign nation.

Chapter 25 (relating to criminal homicide)	Section 4302 (relating to incest)
Section 2702 (relating to aggravated assault)	Section 4303 (relating to concealing death of a child)
Section 2706 (relating to terroristic threats)	Section 4304 (relating to endangering welfare of children)
Section 2709 (relating to harassment)	Section 4305 (relating to dealing in infant children)
Section 2709.1 or former Section 2709(b) (relating to stalking)	A felony offense under Section 5902(b) (relating to prostitution and related offenses)
Section 2901 (relating to kidnapping)	Section 5903 (c) or (d) (relating to obscene and other sexual materials and performances)
Section 2902 (relating to unlawful restraint)	Section 6301 (relating to corruption of minors)
Section 2910 (relating to luring a child into a motor vehicle or structure)	Section 6312 (relating to sexual abuse of children)
Section 3121 (relating to rape).	Section 6318 (relating to unlawful contact with minor)
Section 3122.1 (relating to statutory sexual assault)	Section 6319 (relating to solicitation of minors to traffic drugs)
Section 3123 (relating to involuntary deviate sexual intercourse)	Section 6320 (relating to sexual exploitation of children)
Section 3124.1 (relating to sexual assault)	Any offense under "The Controlled Substance Drug, Device and Cosmetic Act," 35 P.S. § 780-101 <i>et seq.</i>
Section 3124.2 (relating to institutional sexual assault)	Any offense under the "Pennsylvania Uniform Firearms Act," 18 P.S. § 6101 <i>et seq.</i>
Section 3125 (relating to aggravated indecent assault)	Any offense under 75 Pa.C.S. § 3802 (relating to driving under influence of alcohol or controlled substance)
Section 3126 (relating to indecent assault)	
Section 3127 (relating to indecent exposure)	
Section 3129 (relating to sexual intercourse with animal)	

Details of arrests or convictions: _____

I will immediately report to the District if at any time in the future while still employed by or providing services to the District I am arrested or convicted for any offense as set forth above (or any other offense under any criminal code) – or if I am named as a perpetrator in a founded or indicated report of child abuse.

Acknowledgement of Policy No. 916/Volunteers and Policy No. 806/Child Abuse.

_____ Please initial that you have read, understand, and agree to comply with all provisions of South Eastern School District Policy No. 916/Volunteers and Policy No. 806/Child Abuse.

The above information is true and correct. This statement is made subject to penalties of criminal law for false statements to government officials.

Employer Name: _____ (type or print) Date: _____

Signature: _____

Please also complete the PDE 6004 Form (next 2 pages) and submit with your clearances.

ARREST/CONVICTION REPORT AND CERTIFICATION FORM
(under Act 24 of 2011 and Act 82 of 2012)

Section 1. Personal Information

Full Legal Name: _____

Date of Birth: ____/____/____

Other names by which you have been identified:

☐
☐

Section 2. Arrest or Conviction

By checking this box, I state that I have NOT been arrested for or convicted of any Reportable Offense.

By checking this box, I report that I have been arrested for or convicted of an offense or offenses enumerated under 24 P.S. §§1-111(e) or (f.1) ("Reportable Offense(s)"). See Page 3 of this Form for a list of Reportable Offenses.

Details of Arrests or Convictions

For each arrest for or conviction of any Reportable Offense, specify in the space below (or on additional attachments if necessary) the offense for which you have been arrested or convicted, the date and location of arrest and/or conviction, docket number, and the applicable court.

Section 3. Child Abuse

☐

By checking this box, I state that I have NOT been named as a perpetrator of a founded report of child abuse within the past five (5) years as defined by the Child Protective Services Law.

☐

By checking this box, I report that I have been named as a perpetrator of a founded report of child abuse within the past five (5) years as defined by the Child Protective Services Law.

Section 4. Certification

By signing this form, I certify under penalty of law that the statements made in this form are true, correct and complete. I

understand that false statements herein, including, without limitation, any failure to accurately report any arrest or conviction for a Reportable Offense, shall subject me to criminal prosecution under 18 Pa.C.S. §4904, relating to unsworn falsification to authorities.

Signature

Date

PDE-6004 03/01/2016

INSTRUCTIONS

Pursuant to 24 P.S. §1-111(c.4) and (j), the Pennsylvania Department of Education developed this standardized form (PDE-6004) to be used by current and prospective employees of public and private schools, intermediate units, and area vocational-technical schools.

As required by subsection (c.4) and (j)(2) of 24 P.S. §1-111, this form shall be completed and submitted by all current and prospective employees of said institutions to provide written reporting of any arrest or conviction for an offense enumerated under 24 P.S. §§1-111(e) and (f.1) and to provide notification of having been named as a perpetrator of a founded report of child abuse within the past five (5) years as defined by the Child Protective Services Law.

As required by subsection (j)(4) of 24 P.S. §1-111, this form also shall be utilized by current and prospective employees to provide written notice within seventy-two (72) hours after a subsequent arrest or conviction for an offense enumerated under 24 P.S. §§1-111(e) or (f.1).

In accordance with 24 P.S. §1-111, employees completing this form are required to submit the form to the administrator or other person responsible for employment decisions in a school entity. Please contact a supervisor or the school entity administration office with any questions regarding the PDE 6004, including to whom the form should be sent.

PROVIDE ALL INFORMATION REQUIRED BY THIS FORM LEGIBLY IN INK.

LIST OF REPORTABLE OFFENSES

- A reportable offense enumerated under 24 P.S. §1-111(e) consists of any of the following:

- (1) An offense under one or more of the following provisions of Title 18 of the Pennsylvania Consolidated Statutes:

▪ Chapter 25 (relating to criminal homicide)	▪ Section 4304 (relating to endangering welfare of children)
▪ Section 2702 (relating to aggravated assault)	▪ Section 4305 (relating to dealing in infant children)
▪ Section 2709.1 (relating to stalking)	▪ A felony offense under section 5902(b) (relating to prostitution and related offenses)
▪ Section 2901 (relating to kidnapping)	▪ Section 5903(c) or (d) (relating to obscene and other sexual materials and performances)
▪ Section 2902 (relating to unlawful restraint)	▪ Section 6301(a)(1) (relating to corruption of minors)
▪ Section 2910 (relating to luring a child into a motor vehicle or structure)	▪ Section 6312 (relating to sexual abuse of children)
▪ Section 3121 (relating to rape)	▪ Section 6318 (relating to unlawful contact with minor)
▪ Section 3122.1 (relating to statutory sexual assault)	▪ Section 6319 (relating to solicitation of minors to traffic drugs)
▪ Section 3123 (relating to involuntary deviate sexual intercourse)	▪ Section 6320 (relating to sexual exploitation of children)
▪ Section 3124.1 (relating to sexual assault)	
▪ Section 3124.2 (relating to institutional sexual assault)	
▪ Section 3125 (relating to aggravated indecent assault)	
▪ Section 3126 (relating to indecent assault)	
▪ Section 3127 (relating to indecent exposure)	
▪ Section 3129 (relating to sexual intercourse with animal)	
▪ Section 4302 (relating to incest)	
▪ Section 4303 (relating to concealing death of child)	
- (2) An offense designated as a felony under the act of April 14, 1972 (P.L. 233, No. 64), known as "The Controlled Substance, Drug, Device and Cosmetic Act."
- (3) An offense SIMILAR IN NATURE to those crimes listed above in clauses (1) and (2) under the laws or former laws of:
 - the United States; or
 - one of its territories or possessions; or
 - another state; or
 - the District of Columbia; or
 - the Commonwealth of Puerto Rico; or
 - a foreign nation; or
 - under a former law of this Commonwealth.

- A reportable offense enumerated under 24 P.S. §1-111(f.1) consists of any of the following:

- (1) An offense graded as a felony offense of the first, second or third degree, other than one of the offenses enumerated under 24 P.S. §1-111(e), if less than (10) ten years has elapsed from the date of expiration of the sentence for the offense.
- (2) An offense graded as a misdemeanor of the first degree, other than one of the offenses enumerated under 24 P.S. §1-111(e), if less than (5) five years has elapsed from the date of expiration of the sentence for the offense.
- (3) An offense under 75 Pa.C.S. § 3802(a), (b), (c) or (d) (relating to driving under influence of alcohol or controlled substance) graded as a misdemeanor of the first degree under 75 Pa.C.S. § 3803 (relating to grading), if the person has been previously convicted of such an offense and less than (3) three years has elapsed from the date of expiration of the sentence for the most recent offense.