

LAUREL HIGHLANDS HIGH SCHOOL

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GUIDANCE COUNSELORS

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PRINCIPAL'S MESSAGE

EACH STUDENT'S SELECTION OF A PROGRAM OF STUDY IS VERY PERSONAL AND THIS IMPORTANT PROCESS REQUIRES CAREFUL PLANNING. IT IS DIFFICULT TO CHOOSE SUBJECTS THAT HAVE INSTANT MEANING AND ARE USEFUL NOW AND IN THE FUTURE. COURSE SELECTION IS A SERIOUS RESPONSIBILITY TO BE SHARED WITH PARENTS, TEACHERS, GUIDANCE COUNSELORS, AND OTHERS WHOSE OPINIONS ARE RESPECTED.

THE **CURRICULUM GUIDE** HAS BEEN WRITTEN TO ASSIST YOU IN MAKING INFORMED DECISIONS IN SELECTING SUBJECTS. READ THE DESCRIPTIONS OF COURSES APPROPRIATE FOR YOU. EVALUATE LAUREL HIGHLANDS' GRADUATION REQUIREMENTS ALONG WITH YOUR CAREER GOALS, ACADEMIC ACHIEVEMENTS, ABILITIES AND INTEREST.

CHECK COURSE LISTINGS IN THE **CURRICULUM GUIDE** FOR DESCRIPTIONS AND PREREQUISITES. THESE COURSES WILL BE OFFERED IF THERE IS SUFFICIENT STUDENT REGISTRATION AND AVAILABLE FACULTY.

PLAN A FULL PROGRAM THAT WILL DEMAND YOUR BEST. GOALS SHOULD BE AMBITIOUS AND ATTAINABLE. MAKE YOUR ASPIRATIONS COMPATIBLE WITH YOUR ABILITY. STUDENTS WHO ARE WILLING TO PURSUE CHALLENGING COURSES FOR PERSONAL EMPLOYMENT AND CULTURAL ENRICHMENT WILL HAVE REWARDING EXPERIENCES. DO YOUR BEST IN ALL SUBJECTS, REGARDLESS OF YOUR PLANS AFTER GRADUATION. GET THE MOST FROM YOUR EDUCATION!

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NOTICE OF EQUAL RIGHTS AND OPPORTUNITIES POLICY

The Laurel Highlands School District is an equal opportunity education institution and will not discriminate on the basis of race, color national origin, sex or sexual orientation, age, disability, religion, ancestry, union membership, or any other legally protected classification in its educational programs, activities or employment practices, as required by Title VI, Title IX, Sections 503 and 504, the Age Discrimination Act of 1975, and the Americans with Disabilities Act of 1990.

For information regarding civil rights or grievances procedures, contact Dr. Gary Brain, Title IX and Sections 503 and 504 Coordinator at Laurel Highlands School District, 304 Bailey Avenue, Uniontown, PA 15401, 724-437-2821, or the Director of the Office for Civil Rights, Department of Health, Education and Welfare, Washington, D.C.

Equal access to the full range of programs available to individuals who are non-handicapped or non-disadvantaged will be provided to individuals who are handicapped or disadvantaged. Eligibility and admissions criteria to school programs are nondiscriminatory.

**LAUREL HIGHLANDS SCHOOL DISTRICT
IS AN EQUAL OPPORTUNITY EMPLOYER**

GENERAL INFORMATION

GUIDANCE SERVICES

The high school guidance department serves each student in a variety of ways. Major functions are to provide individual and group counseling services so that each student can be helped with education, vocational and personal problems, to guide students in course selection, to assist students in vocational and college placement; and to coordinate and maintain a complete record of student progress from the time of each student's admission into school. Guidance services are available when students are reevaluating their programs and educational plans. Counselors invite parental requests for conferences and arrange interviews at a mutually convenient time.

ENGLISH AS A SECOND LANGUAGE (ESL)

Students whose primary home language is other than English, as identified during enrollment/registration on the home language survey, are required to be tested to determine their English language proficiency.

Students demonstrating English proficiency may enroll in general education classes; however, their progress is to be monitored for two years. If the student meets with difficulty in the general curriculum during these two years, the student will be required to participate in limited English proficiency support program. Students who are not proficient in English will be referred to the intermediate unit for more in depth prescriptive testing. Students are then required to work with the intermediate unit teacher of English as a second language in lieu of general English classes.

The building-level administration/counseling team, along with the ESL teacher will monitor student progress and determine when the student can exit the LEP program and enroll in English classes. If a student with limited English proficiency continues to have difficulties with academic success, the school-level monitoring team may refer the student for testing to determine if the student has a disability, and is in need of specially designed instruction.

Participation in the ESL/LEP program is required by federal law and is subject to review by the PA Department of Education.

MENTORING PROGRAMS

The Laurel Highlands High School has developed Peer and Adult Mentoring Programs. The Peer Monitoring Program is being operated in conjunction with Junior Achievement of Fayette County. Our eleventh grade students will be going to the Middle School to work with eighth grade students. The objective of the Peer Monitoring is to help our eighth grade students transition to grade 9 at the high school. Seniors also will travel to the elementary schools to work with those students as well.

The Adult Mentoring will entail all students at the high school being assigned to a faculty member. The adult mentor will work with the students during their high school years to explore their plans, guide students to overcome barriers, and help to ensure each student has a clear pathway to success. Mentors will assist students in making well-informed academic and career choices.

NATIONAL ACADEMY FOUNDATION (NAF)

Laurel Highlands offers sophomores the opportunity to join the National Academy Foundation (NAF) program. Laurel Highlands will offer students Academies in three career themes: Finance, Hospitality and Tourism, and Information Technology. To qualify to enter the Academy program, the student must have true sophomore standing. The Academy is a three-year program to supplement and enrich the traditional curriculum. Academy courses are scheduled as electives and do not interfere with students who wish to take Honors or Advanced Placement classes.

DIVERSIFIED CO-OPERATIVE EDUCATION

This "senior only" educational option combines classroom study with planned and supervised on-the-job training that assists the student in the understanding of the world of work. Cooperative education provides employers in the community with responsible students who can be trained and skilled to meet the various community needs. Classroom theory activities include: communication skills, safety, business math, consumer information, economics, and career and job exploration. Co-op extends the school district's curriculum and is offered to students who maintain good attendance and academic records. Students must maintain a minimum GPA of 2.0 for the theory class. Students are not permitted to miss more than ten (10) days of school for the year, excused or unexcused.

COLLEGE ADMISSIONS

In selecting students for admission, most colleges and universities consider the following data:

Scholastic Record

A student's scholastic record is carefully evaluated by college admission counselors. These records are maintained and updated yearly by the guidance department. Copies of these records, "transcripts," are sent to colleges only by student request. Please stop in the Guidance Office to complete a Transcript Request Form.

Admissions Tests

PSAT/NMSQT—The Preliminary Scholastic Aptitude Test/National Merit Scholarship Qualifying Test, or the PSAT/NMSQT, consists of two fifty-minute test sections. The PSAT, which is taken primarily by high school juniors, is given by the College Entrance Examination Board and the National Merit Scholarship Corporation in October. **Fee charged

SAT—The Scholastic Aptitude Test, or SAT, taken by both juniors and seniors, consists of six one-half hour sections. The thirty-minute test of Standard Written English is administered with the SAT. SAT is administered at Laurel Highlands High School three times a year in October, November and June. Test covers Critical Reading, Math, and Writing.

**Fee Charged.

SAT Prep Classes are offered before each SAT Test at the High School. A \$25 course fee is required upon registration in the Guidance office. This fee will be refunded if the student attends at least 6 of the 8 sessions. The classes are made available through the L.H. Academic Foundation.

SAT II—Achievement tests that are given by the College Board and may be required by some colleges. Achievement tests differ from aptitude tests in that they test knowledge.

**Fee charged. Test areas.

AP—The Advanced Placement Examinations are given to students in selected courses during the month of May.

**Fee Charged.

ACT—American College Test, or ACT, consists of four subject areas: English Usage, Mathematics Usage, Social Studies Reading, and Natural Sciences Reading. ACT is administered several times throughout the year. See your counselor for more information. It is offered at Laurel Highlands three times each year. **Fee Charged.

PSSA Test—The Pennsylvania System of School Assessment is a test in math, reading, and writing, and science taken by all eleventh grade students. The tests are based on the Pennsylvania State Academic Standards.

Keystone Assessments- The Keystone Exams are one component of Pennsylvania's new system of high school graduation. Keystone Exams will help school districts guide students toward meeting state standards. These standards are aligned with expectations for success in college and the workplace.

Rank-in-Class—Rank in class is the position of any one student in a graduating class in relationship to all other students in the graduating class based upon Total Quality Points earned, cumulative to include all semesters.

Other—Colleges and universities are also interested in the type and quality of the courses the student elects each year, examples of community involvement, and in the student's participation in extracurricular activities. Some are available on-line.

Articulation Agreements

An Articulation Agreement is an agreement between a high school and a post-secondary institution for the post-secondary institution to automatically accept a student into their school and/or gives the student some advanced standing because of courses completed at the high school. Currently, we have agreements with Penn State-Fayette/Eberly Campus, Westmoreland County Community College, and Laurel Business Institute.

<u>Types Of Agreements</u>	<u>Post-Secondary Institutions</u>
Information Technology	Penn State – Fayette/Eberly
Business	Penn State – Fayette/Eberly
Mining Technology	Penn State – Fayette/Eberly
Hospitality & Tourism	Westmoreland Community College

Dual Enrollment

The Laurel Highlands High School participates in a Dual Enrollment Program in which students are able to earn college credit while in high school. Through a state grant, students may be reimbursed for a part of the costs associated with the college courses. Laurel Highlands is currently working with post-secondary institutions, California University of Pennsylvania Honors Program, Clarion University, Westmoreland County Community College, University of Pittsburgh, and Penn State-Fayette/Eberly Campus. The courses for WCCC and Pitt credit are taken at the high school and are taught by Laurel Highlands instructors. The courses at Penn State are taken at the local college campus, after school and on Saturdays. Seniors and second semester juniors can take classes. A list of eligible classes is distributed to students each year.

Dual Credit is also available through the Air Force JROTC program and the University of Colorado, Colorado Springs (UCCS), Adams State (AS) and the University of Pittsburgh. These classes are taught at the high school by the AFJROTC Instructors.

The following courses offered at Laurel Highlands High School are dual enrollment classes:

AP Calculus	AP Physics/Lab
AP Statistics	AFJROTC I (Course 680)
Creative Writing	AFJROTC II (Course 681)
Speech/Forensics	AFJROTC III (Course 682)

ADVANCED PLACEMENT COURSES

Courses leading to candidacy for advanced placement examinations are available for the academically talented students. Pupils are recommended to enroll in the advanced placement program based upon past academic performances, standardized test scores, teacher recommendations and the approval of the department chairperson.

Advanced placement and standing in colleges **may** be awarded by the college based on the scores attained by the student on the AP test. NOTE: College Board's AP Test is recommended for all courses completed.

Advanced Placement Courses offered are as follows:

AP Biology	AP Calculus "12"
AP Chemistry	AP Statistics
AP Physics	AP Spanish V
AP American History	AP Psychology
AP US Government/Politics	AP Music Theory
AP Comparative Government/Politics	
AP Language and Composition III	
AP Composition and Literature IV	

HONORS LEVEL COURSES

Honors level courses are designed to challenge the academically talented and intellectually motivated students. These courses are also weighted in determining the quality point average, which is also determined by class work.

The following are classified as Honors level courses:

Honors English I	Honors Geometry "9"
Honors English II	Honors Biology
Honors Chemistry	Honors Advanced Algebra "10"
Honors Civics	Honors Function/Trig/Pre-Calculus "11"
Honors World History	Honors Physics/Lab

GRADING INFORMATION:

QUALITY POINTS

Grade	Quality Points
A	4.00
A-	3.67
B+	3.33
B	3.00
B-	2.67
C+	2.33
C	2.00
C-	1.67
D	1.0
F	0.0
ME	0.0

WEIGHTING OF ADVANCED PLACEMENT AND HONORS LEVEL COURSES

In granting quality points, Advanced Placement Courses will be weighted using a 1.25 factor and Honors Courses will be weighted using a 1.125 factor:

GRADE	REGULAR QUALITY POINTS	FACTOR		WEIGHTED QUALITY POINTS	
		AP	HONORS	AP	HONORS
A	4	1.25	1.125	5	4.5
A-	3.67	1.25	1.125	4.5875	4.12875
B+	3.33	1.25	1.125	4.1625	3.74625
B	3.0	1.25	1.125	3.75	3.375
B-	2.67	1.25	1.125	3.3375	3.00375
C+	2.33	1.25	1.125	2.9125	2.62125
C	2.00	1.25	1.125	2.50	2.25
C-	1.67	1.25	1.125	2.0875	1.87875
D	1.0	1.25	1.125	1.25	1.1258
F	0	0	0	0	0
ME	0	0	0	0	0

GRADING POLICY

The following grade scale will be used:

GRADE	PERCENTAGE
A	95-100
A-	90-94
B+	87-89
B	83-86
B-	80-82
C+	77-79
C	73-76
C-	70-72
D	66-69
F	0-65
ME	N/A

MEDICAL EXCUSE (ME)

If a student has a medical problem that affects his/her ability to participate in a physical education class, the course will be waived during the time period that the medical condition exists. The medical problem must be documented in writing by a physician and the documentation must be made available to the guidance office to become part of the student's permanent record. If the student has a Medical Excuse for over 50% of the total classes for the year, the student will receive a Medical Excuse (ME) for the year with no credit assigned. The course requirement will be waived for that school year. If the Medical Excuse (ME) is for less than 50% of the total classes for the year, the student will receive the grade he/she earned and credit for the class. For long-term conditions, a new medical excuse must be provided for each school year.

INCOMPLETE (I) GRADE

Although the high school administration does not recommend the assignment of Incomplete (I) grades, teachers may do so in extenuating circumstances. Incomplete (I) grades, however, must be resolved within ten (10) school days following the end of the grading period or the Incomplete (I) grade will automatically be changed to a Failing Grade (F). Incomplete (I) grades may not be assigned for the Fourth Nine Weeks Grading Period or for the Final Grade.

OPPORTUNITIES FOR POST-SECONDARY EDUCATION

Varied educational opportunities are available to high school graduates. Some of these include apprentice training, armed forces, business schools, career schools, universities, community and junior colleges, schools of nursing education, technical institutes, and trade schools. Guidance counselors provide the students with information about the various types of post-secondary education programs and the institutions that offer them.

Academic preparation necessary for entrance into college will vary depending upon the career goals and aspirations of the student. Because of the number of electives available in many of the curriculum areas, it is **strongly** recommended that students meet with their counselor to develop a program of studies appropriate to their goal aspirations.

For students not planning to attend college, the Guidance Department has information about job skills, interviews, resumes, and job descriptions. The counselor will assist with the planning of student-developed goals.

FINANCIAL AID

Financial aid is the term given to scholarships, grants, loans, and part-time jobs that may make it possible to attend college. Students who are interested in financial aid information should study the catalogues of a number of colleges and universities of their choice and secure the necessary application forms. State and federal aid information is available in the guidance office. High school guidance counselors will discuss financial aid sources with students upon request.

SCHOLARSHIPS

Scholarships are offered to students based on several different criteria. Students interested in applying for various scholarships should listen closely to morning announcements for scholarship information and deadlines. The information is posted on the "Scholarship Information Bulletin Board" outside of the Guidance Office and on-line at www.lhsd.org.

GRADUATION REQUIREMENTS

HIGH SCHOOL GRADUATION

To graduate from Laurel Highlands High School, a student must successfully complete the graduation requirements adopted by the Laurel Highlands Board of Directors for the year of expected graduation.

CREDIT REQUIREMENTS

To become eligible for graduation from Laurel Highlands High School, students must earn at least **twenty-five and one-half (25.5)** credits, which must include the following:

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CREDIT REQUIREMENTS FOR CLASS of 2012, 2013, 2014, and 2015

English	Four (4.0) credits	Academic English I, II, III, IV
Social Studies	Four (4.0) credits	Civics, World History, American History, Political Science/Recent US Hist or Geography/Economics
Mathematics	Four (4.0) credits	Minimum of Algebra 9, Algebra 10, Geometry 11, and Algebra 12
Science	Four (4.0) credits	Biology and three(3) Science Electives
Health, Physical Education/ Aquatics	2½ (2.5) credits	Physical Education in grades 9, 10, 11, and 12; Health 10 (Minimum of one Aquatics course)
Arts or Humanities	Two (2.0) credits	Foreign Language, Art, Music, Technology, or Family/Consumer Science
Other Electives	4½ (4.5) credits	Choose from any of the curriculum departments and/or vocational school course offerings
Freshman Seminar	One-half(0.5) credit	Required elective – Grade 9

GRADUATION PROJECT REQUIREMENT

In addition to minimum credit requirements, students must complete a graduation project as required by the Pennsylvania Department of Education and the Laurel Highlands School District. Every senior must complete a culminating project in one of the following areas: Career Research, Internship, or Community Service. **Project proposals must be submitted to Mr. Sarko in Room 256 by the last day of September, and final projects must be presented by the second Thursday in April.** Project presentations must be scheduled with Mr. Sarko by the last day of February. If the student does not schedule a presentation date by the last day of February, a presentation date will be assigned from the remaining available dates.

CAREER PORTFOLIO REQUIREMENTS --- Effective Start Year—Class of 2009 (revised 4/2011)

Beginning with the Class of 2009, students must complete a Career Portfolio in order to be eligible for graduation. The requirements will be fully explained to the students in their Freshman Seminar class but are briefly listed below. To be eligible for grade promotion/graduation, students must complete the following requirements:

9TH GRADE: FRESHMAN DISCOVERY PLAN

Complete the Freshman Discovery Plan

Begin Developing a Resume

2 Page Career Paper

5 Hour Job Shadow Experience and Verification Sheet along with a 2 Page Summary

Complete the Keys2Work Assessment in Freshman Seminar Class

Revisit the Freshman Discovery Plan

To be turned in no later than January 9, 2012

10TH GRADE: SOPHOMORE EXPLORATION PLAN

Complete the Sophomore Exploration Plan

2 Page Career Paper

5 Hour Job Shadow Experience and Verification Sheet along with a 2 Page Summary

Revisit the Sophomore Exploration Plan

To be turned in no later than January 13, 2012

11TH GRADE: JUNIOR EXPERIENCE PLAN

Complete the Junior Experience Plan Packet

Update Resume

Mock Interview

Junior Research Paper (to be turned in and completed in English class)

To be turned in no later than January 17, 2012

12TH GRADE: SENIOR IMPLEMENTATION PLAN

Complete Senior Implement Plan

Update Resume

(continued next page...)

2 Page Senior Reflection Paper
Senior Project
Put Portfolio Together
To be turned in no later than January 9, 2012

The Modern Language Association (MLA) format must be used for the Job Shadow, Career, Research, and Reflection Papers

TO BE ELIGIBLE FOR GRADE PROMOTION/GRADUATION, STUDENTS MUST COMPLETE ALL CAREER PORTFOLIO REQUIREMENTS

PSSA GRADUATION REQUIREMENTS

All eleventh graders must take the PSSA exams in reading and math.

Students who do not receive a proficient or advanced score in math and/or reading will be scheduled into a mandatory PSSA Preparation Class during their senior year.

Students in this class will be required to take the PSSA Senior Re-test in the fall. If they receive a proficient or advanced on the re-test, they will be able to withdraw from the PSSA Preparation Class at the beginning of the second semester.

If students receive a below basic or basic on the PSSA Senior Re-test, they will continue in the PSSA Preparation Class and be required to take a PSSA Equivalent Exam.

If students do not receive a passing score on the PSSA Equivalent Exam, they must remain in the PSSA Preparation Class and must receive a passing grade in that class in order to be eligible to graduate.

Students placed in a senior homeroom that have not previously taken the PSSA Reading and Math Assessment, regardless of the reason, will be scheduled into the mandatory PSSA Preparation Class during their senior year. These seniors may take the PSSA Senior Retest in the fall to display proficiency in order to withdraw from the class at semester break. If proficiency is not displayed through the PSSA Senior Retest, students may take the PSSA Equivalency Exam, or remain in the PSSA Preparation Class and must receive a passing grade in the class in order to be eligible to graduate.

NOTE: In accordance with the Pennsylvania School Code and the Laurel Highlands Board of School Directors policy, the principal will determine a student's eligibility for a high school diploma from Laurel Highlands High School and certify that the student has met all course and credit requirements and has satisfied all obligations before a diploma may be awarded.

SELECTION OF VALEDICTORIAN/SALUTATORIAN

The Board acknowledges the usefulness of a class rank system for secondary school graduates to inform students, parents and others of their relative academic placement among their peers under relatively similar circumstances. The Board authorizes a system of class ranking by total quality points accumulated for students in grades nine through twelve. Students are ranked from the highest to the lowest with ties being resolved by assigning the same number to all those tied with the same number of quality points. The high school Valedictorian and Salutatorian will be determined from this ranking based on the total quality points earned. The graduating senior with the highest number of quality points will be named the Valedictorian while the graduating senior with the second highest number of quality points will be named Salutatorian. This ranking procedure began with the graduating class of 2006. The Superintendent shall see that procedures and guidelines are developed for the computation of quality point totals for the assignment of class rank, for the computation of quality points used in the determination of the high school Valedictorian and Salutatorian, and for the implementation of this policy.

Quality points take into account the number of credits earned by the student in his/her first four years in high school, the weight of credits earned and the grades earned for each grading period. If you have any questions regarding this system of class rank, please see your guidance counselor.

STIPULATIONS:

Students who have medical excuses for Physical Education will only receive Quality Points equal to credit given for Physical Education for the course used to replace the Physical Education Class.

All students must schedule a minimum of 5.5 credits each year.

Class rank will be determined by calculating the Total Quality Points earned during a student's first four years in high school.

WEIGHTING OF COURSES

<u>Grade</u>	<u>Regular Quality Points</u>	<u>Honor Quality Points</u>	<u>AP Quality Points</u>
A	4.0	4.5	5.0
A--	3.67	4.12875	4.5875
B+	3.33	3.74625	4.1625
B	3.00	3.375	3.75
B-	2.67	3.00375	3.3375
C+	2.33	2.62125	2.9125
C	2.00	2.25	2.5
C--	1.67	1.87875	2.0875
D	1.0	1.125	1.25

GRADUATION PARTICIPATION

Participation in the graduation ceremony is a privilege extended to those students who have met all requirements necessary for graduation. Any student failing to meet the minimum credit requirement, to successfully complete a graduation project, demonstrate proficiency in the PSSA's, or to satisfy all obligations (i.e., library fees, cafeteria charges, athletic equipment, fines, returned books, fundraising monies, outstanding disciplinary actions, restitutions, etc.) will not be permitted to participate in the graduation ceremony.

In addition, students must attend scheduled graduation practices. If a student is not in attendance at practice, it will be deemed that he/she is not interested in participating and his/her seat will be removed from the stage. Exceptions to this guideline must be presented to the principal in writing two weeks prior to graduation to be approved.

COURSE SELECTION INFORMATION

GENERAL GUIDELINES

Student must elect courses required for graduation as described in this publication. Courses described in this publication may be selected if prerequisite course and grade level requirements are met and the student has parental, guidance counselor, and teacher approval. Students must elect a sufficient number of courses necessary to meet a weekly minimum requirement of thirty-five (35) instructional class periods (7 courses).

Beginning with the 2010-11 school year, studyhalls will not be available. Students must schedule a class/lunch to fill all eight periods of the school day.

Unless noted, a student may earn credit only once for a course in pursuit of high school graduation requirements. All advanced placement and honors courses are weighted in regard to degree of difficulty. This weighting factor, grade earned, and units of credit are used when computing a student's rank-in-class.

Every effort will be made to schedule the student for those courses requested. In the event of insufficient registration and/or staffing or facilities limitations, the administration reserves the right to cancel any course or limit enrollment.

SCHEDULE CHANGES

All student-initiated schedule changes will be handled in August. If possible, specific dates for handling schedule changes will be published prior to August of any given year.

Valid reasons for schedule changes are as follows:

Conflicts appearing on computer schedule.

Changes needed to satisfy graduation requirements on time.

Failure of a prerequisite course.

Changes required for the health of student. (Doctor's recommendation only.)

Successful completion of the course in summer school.

Teacher's request due to inappropriate placement.

After the August change period, no student-initiated changes will be made. Administrative changes to balance classes or to correct student misplacement will be made as soon as possible.

Schedule changes must be made with the written approval of counselors, teachers, and principals. After the first nine weeks, students cannot withdraw from a course unless they **have written permission from the principal**.

Parents may appeal a denial for schedule change to the high school administration. The decision of the high school administration will be final.

COURSE WITHDRAWAL PROCEDURE

Students who wish to drop a course after the first day of school must follow this procedure:

- Step One: A withdrawal request from the student's parents to the designated counselor must be written.
- Step Two: The counselor will discuss the request with the student to determine its validity and consequence with regard to graduation requirements.
- Step Three: The counselor will discuss the request with the teacher; the teacher may agree or disagree with the parent request.
- Step Four: If there is a disagreement with the request, the teacher, student, counselor, principal, and parent will meet to discuss the request. The final decision may result in denying the request of approving the schedule change. The decision of the principal is final.

*NOTE – A student will not be withdrawn from a class and placed in a study hall due to a failing grade in the class in question.

GRADING:

Course dropped following the above guidelines will carry a "W" grade on the permanent record.

An "F" grade may be assigned if the student does not follow the withdrawal procedures.

If a student has earned a grade and it is then deemed necessary to adjust the level of a course, the weighted or unweighted value of the grade will be moved into the receiving teacher's grading record for the new course. The student's attendance record is also transferred to the receiving teacher.

HONOR ROLL

*Average by grade point for Honor Roll recognition:

Highest Honors	4.0 – Plus
High Honors	3.6 – 3.99
Honors	3.0 – 3.59

***Students receiving a "D," "F," or "I" in any course will not be eligible for the Honor Roll.**

PROMOTION/RETENTION

TO BE PROMOTED ON A YEARLY BASIS THE REQUIREMENTS ARE AS FOLLOWS:

9th Grade to 10th Grade	6.0 Credits earned
10th Grade to 11th Grade	12.0 Credits earned
	Among the 12 Credits, the following are required:
	2 Credits in English
	2 Credits in Math
	2 Credits in Science
	2 Credits in Social Studies
11th Grade to 12th Grade	18.5 Credits earned

TUTORING/CREDIT RECOVERY FOR 9th GRADE STUDENTS FAILING MATH AND/OR ENGLISH

Ninth grade students who are failing Math or English after the first semester **must** attend mandatory tutoring/credit recovery classes. Parents of students required to attend will be notified by mail. These classes will be scheduled after school, but transportation will be provided. If students leave school without attending tutoring, they must have a doctor's excuse to justify the missed tutoring class. Failure to provide a doctor's excuse will result in an ISS being assigned. Students participating in after-school activities may participate after the tutoring session ends for the day. Habitual absences could result in further discipline action and the student being placed on social probation. The goal of these classes is to have students make-up work they have failed and to keep up with work in these classes. The tutoring program is designed and mandated to help prevent students from failing their Math or English class and as a result, being retained in Ninth Grade.

PROMOTION REQUIREMENTS/SUMMER SCHOOL
LAUREL HIGHLANDS MIDDLE SCHOOL STUDENTS

The following guidelines apply for the Laurel Highlands Middle School:

1. If a 6th or 7th grade student fails two or more major subjects (math, english, social studies, science, or reading), he/she must make up the class(es) in an approved credit granting summer school in order to be promoted. If a student fails three (3) major subjects, he/she must repeat the grade if he/she fails to attend summer school.

2. If an 8th grade student fails more than two classes and because of factors, such as age, is being considered for placement at the high school, an Academic Review must be held to consider programs and/or proper placement for this student. In addition, he/she must attend summer school to be promoted.

3. If an 8th grade student does any of the following he/she must attend the Ninth Grade Summer Bridge Program in order to be promoted to Grade 9:
 - Fails one class
 - Has more than twenty-five (25) unexcused absences
 - Has serious discipline problems as determined by the administration(Transportation is provided for this program.)

4. If an 8th grade student receives a D in math, reading, or english, it will be highly recommended that he/she attends the 9th Grade Summer Bridge Program. Transportation is provided for this program.

5. If a 7th grade student fails a major class (math, reading, english, social studies, or science) he/she will repeat this class in Grade 8 during the time that he/she would have had electives and will also take the 8th grade class for that subject.

EARLY RELEASE - Course 994A, 994B, and 994C

This opportunity is designed for Seniors who have met their graduation requirements - no credit is awarded for this elective choice. The intent of this program is to allow students that are participating in dual enrollment, working part-time, helping with a family business, or completing an internship the opportunity to leave school early to begin their work earlier each day. Students may leave at the beginning of period 6, 7, or 8 depending upon their individual scheduling needs. Students participating in athletics are also eligible to leave early if they have met their graduation requirements and are still satisfying the eligibility requirements for the WPIAL. The goal of the district is to provide students involved in activities beyond the school day the opportunity to go home early to complete schoolwork prior to starting their "after-school" activity. If the school day is altered for any reason, students must still make themselves available for their scheduled classes. To accommodate scheduling, this course must be scheduled by July 1st of the summer preceding a student's senior year. The course will not be added to a student's schedule after the deadline. **Parents must sign a permission slip and students must provide their own transportation.**

CAREER ACADEMIES AVAILABLE TO CURRENT NINTH GRADE STUDENTS
SCHEDULING FOR TENTH GRADE

Beginning in the 2005-2006 school year, all 9th grade students participated in the Ninth Grade Academy, which had a Freshman Orientation Class, PSSA Enhancement Courses, and increased academic requirements. All 9th grade students took at least Algebra I in Math, and in English, all students took Academic English or Honors English.

The Freshmen Orientation Class covered the following topics: orientation to high school, career planning, educational planning, human relations, and technology. With the background students develop in education and career planning, they will be asked to make a decision beginning in Grade 10 as to the Academic/Career Pathway they choose. All students must select from the following career pathways:

(continued next page...)

Academy of Finance – National Academy Foundation
Academy of Hospitality and Tourism – National Academy Foundation
Academy of Information Technology – National Academy Foundation
Fine Arts Career Academy
Pre-Engineering Career Academy
Manufacturing Career Academy
Education, Health and Human Services Career Academy
Advanced Placement Career Academy
Fayette Area Vocational-Technical School
Career and Community Academy
Air Force JROTC

If necessary, students can change academies/clusters prior to the beginning of the next school year.

PROGRAM MODELS

NATIONAL ACADEMY FOUNDATION FINANCE ACADEMY

GRADE 10 –
Introduction to Finance/Strategies for Success

GRADE 11 –
Accounting I
Banking/Credit/College and Careers

**SUMMER BETWEEN GRADE 11 AND 12 – PAID INTERNSHIP*

GRADE 12 –
Accounting II
Securities and Insurance
Geography and Economics for Finance
Dual Enrollment, college/high school class

Currently there is an Articulation Agreement with Penn State/Eberly Campus for the Finance Program, meaning that if students complete the above program at the Laurel Highlands High School, they will automatically be accepted into the Business Program at Penn State.

NATIONAL ACADEMY FOUNDATION HOSPITALITY AND TOURISM ACADEMY

GRADE 10 –
Introduction to Hospitality and Tourism/Strategies for Success

GRADE 11 –
Sports, Events, and Entertainment Marketing

**SUMMER BETWEEN GRADE 11 AND 12 – PAID INTERNSHIP*

GRADE 12 –
Geography and Economics for Hospitality and Tourism
Resorts: Management and Operations
Dual Enrollment, college/high school class

The district has an Articulation Agreement for this program with Westmoreland Community College.

**NATIONAL ACADEMY FOUNDATION
INFORMATION TECHNOLOGY ACADEMY**

GRADE 10 –
Introduction to Information Technology /Computer Hardware Technology

GRADE 11 –
Digital Communications
Video Production

**SUMMER BETWEEN GRADE 11 AND 12 – PAID INTERNSHIP*

GRADE 12 –
Digital Communications II
Video Production I or Video Production II

Dual Enrollment, college/high school class

Currently have an Articulation Agreement with Penn State/Eberly Campus for the Information Technology Program, meaning that if a student completes the above program at the Laurel Highlands High School, they will automatically be accepted into the Information Technology Program at Penn State.

**NATIONAL ACADEMY FOUNDATION
MANUFACTURING TECHNOLOGY ACADEMY**

GRADE 10 –
Industrial Materials I

GRADE 11 –
Industrial Materials II
Introduction to Manufacturing Systems (IMS)

**SUMMER BETWEEN GRADE 11 AND 12 – PAID INTERNSHIP*

GRADE 12 –
Engineering Design
Advanced Manufacturing Enterprise (AME)

PRE-ENGINEERING CAREER ACADEMY

Listing of Courses -
Grade 10 – 717 Introduction to Engineering

Grade 11 – 704 Principles of Engineering or 706 Civil Engineering and Architecture

Grade 12 – 705 Engineering Design

ACADEMY OF FINE ARTS

The **Academy of Fine Arts** is a dynamic and integral part of the total school experience, offering education in art, music, and theatre. Graduates have gone on to be successful musicians, artists, and actors. From designing and drawing to acting on stage or performing in concert, LH has a wide variety of performing and visual arts options open to all of our students.

The **Fine Arts Cluster** is designed to focus students' electives around the fine arts to better prepare them for post-secondary study. Students seeking to major in art, music, or theatre must meet with an advisor of their particular interest of study by the beginning of their sophomore year:

ART MAJOR	-	Mr. DeFazio	-	defaziom@lhsd.org
MUSIC MAJOR (Choral)	-	Miss Groves	-	grovesl@lhsd.org
MUSIC MAJOR (Instrumental)	-	Mr. Santore	-	santorem@lhsd.org
THEATRE MAJOR	-	Miss Groves	-	grovesl@lhsd.org

FINE ARTS COURSES

(You must select at least one course per year to be in the Fine Arts Cluster)

	<u>PERFORMING ARTS</u>	<u>VISUAL ARTS</u>
<u>GRADE 10:</u>	THE814 – Theatre THE816 – Advanced Theatre* MUS810 – Chorale Choir MUS812 – Chamber Choir* <i>formerly Madrigal</i> MUS821 – Symphonic Band MUS822 – Percussion Ensemble MUS824 – Jazz Ensemble* MUS811 – Music Theory MUS825 – Intro to Guitar MUS829 – Marching Band	ART830 – Art I <i>(one credit required)</i> ART833 – Advanced Mixed Media ART836 – Advanced Sculpture & Ceramics ART834 – Advanced Painting
<u>GRADE 11:</u>	THE816 – Advanced Theatre* MUS810 – Chorale Choir MUS812 – Chamber Choir* <i>formerly Madrigal</i> MUS821 – Symphonic Band MUS822 – Percussion Ensemble MUS824 – Jazz Ensemble* MUS811 – Music Theory MUS827 – AP Music Theory MUS825 – Intro to Guitar MUS829 – Marching Band	ART833 – Advanced Mixed Media ART836 – Advanced Sculpture & Ceramics ART834 – Advanced Painting
<u>GRADE 12:</u>	THE816 – Advanced Theatre* MUS810 – Chorale Choir MUS812 – Chamber Choir* <i>formerly Madrigal</i> MUS821 – Symphonic Band MUS822 – Percussion Ensemble MUS824 – Jazz Ensemble* MUS811 – Music Theory MUS827 – AP Music Theory MUS825 – Intro to Guitar MUS829 – Marching Band MUSSR – Senior Recital – <i>See Mr. Santore</i>	ART833 – Advanced Mixed Media ART836 – Advanced Sculpture & Ceramics ART834 – Advanced Painting

*** = enrollment is by audition only**

ATTENTION STUDENTS INTERESTED IN MAJORING IN MUSIC IN COLLEGE: You must schedule a major ensemble that focuses on your principal instrument or voice. i.e. If you are an instrumentalist you must schedule **MUS821 Symphonic Band** or **MUS824 Jazz Ensemble***. Remember Jazz Ensemble is by audition only and has select instrumentation. Vocalists should schedule **MUS810 Chorale Choir** their freshmen year and audition for **MUS812 Chamber*** in your sophomore, junior and senior years. In addition, MUS825 Intro to Guitar and MUS811 Music Theory is strongly recommended for students wishing to major in music education. By your senior year students wishing to major in music in college should be prepared to give a senior recital on their principal instrument or voice. See Mr. Santore or Miss Groves for more information.

ATTENTION PERCUSSION STUDENTS: You must schedule **MUS822 Percussion Ensemble**. MUS821 Symphonic Band is for wind players only. Students whose principal instrument is not percussion may enroll in Percussion Ensemble in addition to Symphonic Band if they have an open elective in their schedule.

ATTENTION WIND PLAYERS: You must schedule **MUS821 Symphonic Band** if you are wind player (brass and woodwinds).

EDUCATION, HEALTH, AND HUMAN SERVICES CAREER ACADEMY

Grade 10
Human Development I

Grade 11
Psychology or Advanced Placement Psychology
Human Development II

Grade 12
Psychology or Advanced Placement Psychology
Human Development II
Anatomy or other advanced science elective

Currently, the district has an articulation agreement in this area with the Laurel Business Institute and is working to re-establish an Articulation Agreement with Penn State/Eberly Campus.

College/High School Dual Enrollment Classes with Penn State/Eberly and California University are being developed.

ADVANCED PLACEMENT ACADEMY

Students participating in the Advanced Placement Academy should be taking Honors Level classes where they are offered and must take at least six (6) of the Advanced Placement Classes offered at the High School. Among the six (6) courses, the following four (4) courses are required:

Advanced Placement Language and Composition III or Advanced Placement Literature and Composition IV
One Advanced Placement Science Class
One Advanced Placement Math Class
One Advanced Placement Social Studies Class

Currently, there are thirteen (13) Advanced Placement Offerings at the High School:

Advanced Placement Statistics
Advanced Placement Chemistry
Advanced Placement Biology
Advanced Placement American History
Advanced Placement Language and Composition III
Advanced Placement Literature and Composition IV
Advanced Placement Calculus
Advanced Placement Physics
Advanced Placement US Gov/Politics
Advanced Placement AP Comparative Government/Politics
Advanced Placement Spanish
Advanced Placement Psychology
Advanced Placement Music Theory

Students in the Advanced Placement Academy will be encouraged to do a Job Shadowing and/or Internships in the careers of their interest.

Dual Enrollment, college/high school opportunities are particularly abundant for students in this program. Students potentially could leave high school with several college credits.

VOCATIONAL TECHNICAL SCHOOL

(Descriptions available pages 27-31)

The Fayette Area Vocational–Technical program is offered to interested students. It is designed to meet the needs of students who plan to enter the world of work. Course offered to both boys and girls will prepare students to enter jobs in the technical, skilled, or semi–skilled occupations. During their 9th Grade year, all students will tour the Fayette County Area Vocational Technical School to become familiar with the educational opportunities that the vocational technical school offers. Staff from the vocational school will address all ninth grade students in regards to the programs offered there. The selection of students is a cooperative effort of the home, school, and the vocational–technical school administrative staff. Students may apply in 9th grade and admittance will be based upon academic effort, attendance discipline record and intent.

The following programs are available at the Fayette County Area Vocational Technical School:

Auto Body	Culinary Arts
Auto Mechanics	Graphic Arts
Diesel Mechanics	Health Occupations
Electrical Construction	Building Construction Trades
Machine Technology	Masonry
Information Technology	Welding
Agriculture	Heating, Ventilation, and Air Conditioning
Cosmetology	

Students attending the Fayette County Area Vocational Technical School must report to the high school for half of their instructional day each day. Seniors will report to the Vocational Technical School in the afternoon, while sophomores and juniors will attend the Vocational Technical School in the morning. The courses offered are based on demand for certain courses and limited student enrollment per course.

VOCATIONAL-TECHNICAL EDUCATION

GRADE 10	CR.		
005 Acad English II	1.0		
102 World History or AFJROTC	1.0		
201 Algebra 10/higher	1.0		
306 Environmental Science	1.0		
Vocational School Shop	3.5		
GRADE 11	CR.	GRADE 12	CR.
008 Academic English III	1.0	011 Academic Eng IV	1.0
104 American History	1.0	106 Political Sci/Rec US History	1.0
202 Geometry 11/higher	1.0	Fourth Science elective satisfied at VT	*1.0
307 Human Biology or AFJROTC	1.0	Physical Ed./Health (5 days/week)	0.5, 0.5
Vocational School Shop	3.5	Vocational School Shop	*3.5
		Fourth Math elective satisfied at VT	*1.0
		High School elective or AFJROTC	1.0
		908 Senior Project	0.0

Program description available pages 27-31.

Air Force JROTC

AFJROTC is a 3- or 4-year program offered in grades 9-12. Students (cadets) receive elective credit toward high school graduation by successfully completing Air Force Junior Reserve Officer Training Corps (AFJROTC) classes. Cadets are introduced to the Air Force organizational structure; uniform wear; military customs and courtesies; flag etiquette; citizenship in the United States; basic drill and ceremonies; and effective communications. They also learn to listen and think critically, assume leadership roles in the cadet corps, and prepare for future leadership roles. **There is no military obligation for taking AFJROTC.**

The syllabus for each class includes a blend of 40% Aerospace Science (AS), 40% Leadership Education (LE) and 20% Wellness Instruction.

- Aerospace Science includes subjects such as history of aviation, science of flight, space exploration. Survival and management will be offered starting in school year 2012-2013.
- Leadership Education offers cadets opportunities to shape their character. Cadets learn about character development and elements of good citizenship are instilled.
- Wellness instruction includes physical training and fitness instruction; first aid; health and wellness; individual self-control, and how to build personal awareness.

AFJROTC also offers extracurricular activity such as opportunities to be members of a Drill Team, Color Guard, Rifle Marksmanship Team, Junior Air Commando Physical Fitness Team, etc. Through the course of serving on these teams and in learning to march in military formations in the drill instruction portion of the LE series, cadets get to demonstrate their skill and pride at public events such as the presentation of the US flag at school sporting events, marching in parades in their communities, performing at formal military events, demonstrating proper etiquette at formal dining socials, etc. The cumulative impact of exposure to this curriculum and training is seen in feedback AFJROTC consistently receives from parents, teachers, and principals-that their students benefit tremendously from the program. Statistics show that AFJROTC students stay in school longer, have a higher graduation rate, are better behaved and contribute more to the community.

Students may start AFJROTC at any grade level, however, they must take the academic courses in order starting with AFJROTC I.

SUMMER BETWEEN GRADE 8 AND GRADE 9 – (OPTIONAL)

Summer Leadership I - A one-week Summer Leadership School (SLS) is available for 8th grade students interested in enrolling in AFJROTC.

Summer Leadership II - a 3-day New Cadet Orientation followed by an optional 2-day Drill Camp is available prior to the start of the academic year.

GRADE 9 (OR FIRST YEAR CADET) –

AFJROTC I - Leadership I/Aviation History/Wellness*
(Optional) Summer Leadership I and/or II*

GRADE 10 (OR SECOND YEAR CADET) -

AFJROTC II - Leadership II/ Science of Flight/Wellness*
(Optional) Summer Leadership I and/or II*

GRADE 11 (OR THIRD YEAR CADET) -

AFJROTC III - Leadership III/ Exploration of Space/Wellness*
(Optional) Summer Leadership I and/or II*

GRADE 12 (OR FOURTH YEAR CADET) -

AFJROTC IV - Leadership IV/ Management of the Cadet Corps (Honors Course) and Survival/Wellness*

“**” Indicates courses available for Dual College Credit through Adams State College or the University of Colorado, Colorado Springs. See the Senior Aviation Science Instructor for details.

LEARNING SUPPORT

The goal of this program is to begin at the student's ability level and to provide instruction and job-related experiences that will help the student find and maintain gainful employment upon graduation. Placement is made only after psychological testing, a multidisciplinary meeting, and an appropriate Individualized Education Program has been written for the student. Inclusion has been implemented in the Laurel Highlands School District for students with disabilities. Students may be mainstreamed into regular education classes with appropriate teacher support, recommendations and follow-up. Course selection may include Career Prep (Grades 10-11) or Work Experience (Grade 12).

GRADE 9	CR.	GRADE 10	CR.
911 Mathematics	1.0	911 Mathematics	1.0
915 General Science	1.0	916 Basic Biology	1.0
919 Basic Civics I	1.0	920 Basic World History II	1.0
923 Language Arts	1.0	923 Language Arts	1.0
907 Freshman Seminar	0.5	Physical Education	0.5
PE or Aquatics	0.5	410 Health B/G	0.5
Elective	1.0	938 Career Prep I or Elective	1.0
Lunch	0.0	Lunch	0.0
GRADE 11	CR.	GRADE 12	CR.
911 Mathematics	1.0	911 Mathematics	1.0
917 Earth Science	1.0	918 Environmental Education	1.0
921 Basic American History III	1.0	922 Basic Pol Sci/Rec US Hist IV	1.0
923 Language Arts	1.0	908 Senior Project	0.0
939 Career Prep II or Elective	1.0	Physical Education	0.5
Physical Education	0.5	Elective	1.0
Elective	1.0	934 Senior Research	1.0

CURRICULUM OFFERINGS

LANGUAGE ARTS COURSE OFFERINGS

Course Number	Course Title	Recommended Grade Level	Number of Semesters Per Year	Periods Per Week	Units of Credit Per Year
002	Academic English I	9	2	5	1.0
003	*Honors English I	9	2	5	1.0
005	Academic English II	10	2	5	1.0
006	*Honors English II	10	2	5	1.0
008	Academic English III	11	2	5	1.0
009	*AP Language/Composition III	11	2	5	1.0
011	Academic English IV	12	2	5	1.0
012	*A.P. Composition/Lit. IV	12	2	5	1.0
014	Speech/Forensics	11-12	2	5	1.0
015	Creative Writing	11-12	2	5	1.0
016	Broadcast/Sports Journalism	10-12	2	5	1.0
901	PSSA Reading 12	12	2	3	0.5
906	PSSA Reading 11	11	2	3	0.5

*Weighted course

Course descriptions may be found on Pages 32-33.

SOCIAL STUDIES COURSE OFFERINGS

Course Number	COURSE TITLE	Recommended Grade Level	Number of Semesters Per Year	Periods Per Week	Units of Credit Per Year
100	Civics	9	2	5	1.0
101	*Honors Civics	9	2	5	1.0
102	World History	10	2	5	1.0
103	*Honors World History	10	2	5	1.0
104	American History	11	2	5	1.0
105	*AP American History	11	2	5	1.0
106	Political Science/Recent U.S. History	12	2	5	1.0
111	*AP US Government/Politics	12	2	5	1.0
112	*AP Comparative Gov/Politics	12	2	5	1.0
126	Psychology	10-12	2	5	1.0
127	Current Events/SW PA History	9-12	2	5	1.0
130	*AP Psychology	11-12	2	5	1.0
665	Geog. and Econ. for Finance/Travel/Tourism	12	2	5	1.0

*Weighted Course Course descriptions may be found on Pages 33-35.

MATHEMATICS COURSE OFFERINGS

Course Number	COURSE TITLE	Recommended Grade Level	Number of Sem/Year	Periods Per Week	Units of Cred/Yr
200	Algebra 9	9-10	2	5	1.0
201	Algebra 10	10	2	5	1.0
202	Geometry 11	11	2	5	1.0
203	Algebra 12	12	2	5	1.0
206	Algebra I	9-12	2	5	1.0
207	Algebra II	10-12	2	5	1.0
208	*Honors Advanced Algebra "10 "	10	2	5	1.0
209	Geometry	9-12	2	5	1.0
210	*Honors Geometry "9"	9	2	5	1.0
211	*Hon. Functions/Trig./Pre-Calc. "11"	11	2	5	1.0
212	Trigonometry/Pre-Calculus I	11-12	2	5	1.0
213	Pre-Calculus II/Statistics	11-12	2	5	1.0
214	*AP Calculus "12"	12	2	5	1.0
215	Elementary Calculus	12	2	5	1.0
219	*AP Statistics	11-12	2	5	1.0
900	PSSA Math 12	12	2	3	0.5
904	PSSA Math 11	11	2	3	0.5

*Weighted Course Course descriptions may be found on Pages 35-37.

SCIENCE COURSE OFFERINGS

Course Number	Course Title	Recommended Grade Level	Number of Semesters Per Year	Periods Per Week	Units of Credit Per Year
301	Biology	9	2	5	1.0
302	*Honors Biology	9	2	5	1.0
306	Environmental Science	10-12	2	5	1.0
307	Human Biology	11-12	2	5	1.0
308	Chemistry	10-12	2	5	1.0
309	*Honors Physics/Lab	11-12	2	8	1.5
310	*AP Chemistry II/ Lab	12	2	8	1.5
311	*AP Physics	12	2	5	1.0
312	Anatomy/Physiology	12	2	5	1.0
313	*AP Biology/Lab	11-12	2	8	1.5
314	Physics	10-12	2	5	1.0
316	*Honors Chemistry	10-12	2	5	1.0

*Weighted Course Course descriptions may be found on Pages 37-38.

PHYSICAL EDUCATION/HEALTH COURSE OFFERINGS

Course Number	COURSE TITLE	Recommended Grade Level	Number of Semesters Per Year	Periods Per Week	Units of Credit Per Year
405	P.E. B/G	9-12	2	3	0.5
406	AQ B/G	9-12	2	3	0.5
410	Health B/G	10-12	2	3	0.5
415	Kinesiology	11-12	2	3	0.5
423	Adaptive P.E.	9-12	2	3	0.5

Course descriptions may be found on Page 39.

WORLD LANGUAGE COURSE OFFERINGS

Course Number	COURSE TITLE	Recommended Grade Level	Number of Semesters Per Year	Periods Per Week	Units of Credit Per Year
501	French I	9-12	2	5	1.0
502	French II	9-12	2	5	1.0
503	French III	10-12	2	5	1.0
504	French IV	11-12	2	5	1.0
505A	French V	12	2	5	1.0
506	Spanish I	9-12	2	5	1.0
507	Spanish II	9-12	2	5	1.0
508	Spanish III	10-12	2	5	1.0
509	Spanish IV	11-12	2	5	1.0
510	*AP Spanish V	12	2	5	1.0
512	Foreign Cultures	9-12	2	5	1.0

**All Language courses satisfy Humanities requirement. Course descriptions may be found on Pages 40-41.
*Weighted Course

BUSINESS COURSE OFFERINGS

Course Number	COURSE TITLE	Recommended Grade Level	Number of Semesters Per Year	Periods Per Week	Units of Credit Per Year
609	Software Applications	9-12	2	5	1.0
612	Accounting I	10-12	2	5	1.0
613	Accounting II	11-12	2	5	1.0
616	Desktop Publishing/Newspaper Production	10-12	2	5	1.0
617	Publications	10-12	2	5	1.0
618	Digital Photography	9-12	2	3	0.5
619	Keyboarding	9-12	2	5	1.0
620	College and Careers	11-12	2	3	0.5
650	Introduction to Finance	10	2	5	1.0
651	Banking, Credit, and Financial Planning	11	2	5	1.0
652	Securities/Insurance	12	2	5	1.0
660	Introduction to Hospitality and Tourism	10	2	5	1.0
662	Sports, Events, and Entertainment Marketing	11	2	5	1.0
663	Resorts: Management and Operation	12	2	5	1.0
907	Freshman Seminar	9	2	5	0.5

Course descriptions may be found on Pages 41-43.

AIR FORCE JROTC

Course Number	COURSE TITLE	Recommended Grade Level	No. of Semesters Per Year	Periods Per Week	Units of Credit Per Year
680	Leadership I/Aviation History	9-12	2	5	1.0
681	Leadership II/Science of Flight	10-12	2	5	1.0
682	Leadership III/Exploration of Space	11-12	2	5	1.0
687	Summer Leadership I	9-12	0	5 days	TBD
688	Summer Leadership II	10-12	0	TBD	TBD

Course descriptions may be found on Pages 43-45.

TECHNOLOGY EDUCATION COURSE OFFERINGS

Course Number	COURSE TITLE	Recommended Grade Level	Number of Semesters Per Year	Periods Per Week	Units of Credit Per Year
670	Intro. to Info Tech/Comp Hardware Tech	10-12	2	5	1.0
701	Digital Communications I	9-12	2	5	1.0
702	Video Productions	9-12	2	5	1.0
703	Video Productions II	11-12	2	5	1.0
704	Principles of Engineering	10-12	2	5	1.0
705	Engineering Design	11-12	2	5	1.0
706	Civil Engineering and Architecture	10-12	2	5	1.0
708	Digital Communications II	10-12	2	5	1.0
709	Industrial Materials I	9-12	2	5	1.0
710	Industrial Materials II	10-12	2	5	1.0
712	Intro Manufacturing Systems IMS	10-12	2	5	1.0
713	Adv. Manufacturing Enterprise	11-12	2	5	1.0
717	Intro to Engineering/CAD	10-12	2	5	1.0
722	Intro to Natural Gas	10-12	2	5	1.0

*Weighted Course Course descriptions may be found on Pages 45-47.

*All Technology Education courses satisfy arts requirement.

FAMILY AND CONSUMER SCIENCE OFFERINGS

Course Number	COURSE TITLE	Recommended Grade Level	No. of Sem. Per Yr.	Periods Per Week	Units of Credit Per Year
801	Family/Consumer Sciences	9-12	2	5	1.0
802	Nutrition	9-12	2	5	1.0
805	Human Development I	10-12	2	5	1.0
806	Human development II	11-12	2	5	1.0
807	Introduction to Health Careers	10-12	2	5	1.0

*All Family and Consumer Science courses satisfy Arts requirement. Course descriptions (P. 47).

MUSIC COURSE OFFERINGS

Course Number	COURSE TITLE	Recommended Grade Level	Number of Sem. Per Year	Periods Per Week	Units of Credit Per Year
810	Chorale Choir	9-12	2	5	1.0
810A	Chorale Choir (0.5 cr)	9-12	2	3	0.5
811	Music Theory/Technology I	9-12	2	5	1.0
812	Chamber Choir (prev. Madrigal)	10-12	2	5	1.0
814	Theatre	9-12	2	5	1.0
816	Advanced Theatre	10-12	2	5	1.0
821	Symphonic Band	9-12	2	5	1.0
821A	Symphonic Band (0.5 cr)	9-12	2	3	0.5
823	Percussion Ensemble	9-12	2	5	1.0
823A	Percussion Ensemble (0.5 cr)	9-12	2	3	0.5
824	Jazz Ensemble	10-12	2	5	1.0
824A	Jazz Ensemble (0.5 cr)	10-12	2	3	0.5
825	Intro. to Guitar	9-12	1	5	0.5
827	AP Music Theory	11-12	2	5	1.0
829	Marching Band	9-12	2	0	0

*All Music courses satisfy Arts requirement. Course descriptions may be found on Pages 47-49.

ART COURSE OFFERINGS

Course Number	COURSE TITLE	Recommended Grade Level	Number of Sem./Year	Periods Per Week	Units of Credit/Year
830	Art I	9-12	2	5	1.0
833	Advanced Mixed Media	10-12	2	5	1.0
834	Advanced Painting	10-12	2	5	1.0
836	Adv. Sculptures/Ceramics	10-12	2	5	1.0

*All Art courses satisfy Arts requirement. Course descriptions may be found on Page 49.

DRIVERS EDUCATION/DIVERSIFIED CO-OPERATIVE EDUCATION/PSSA

Course Number	COURSE TITLE	Recommended Grade Level	Number of Sem./Year	Periods Per Week	Units of Credit Per Year
909	Driver's Ed: Theory	10-12	After school activity		0.3
910	Driver's Ed: Behind the Wheel	10-12	After school activity		0.0
905	Diversified Cooperative Educ'n	12	2	15	3.0
900	PSSA Math 12	12	2	3	0.5
901	PSSA Reading 12	12	2	3	0.5
904	PSSA Math 11	11	2	3	0.5
906	PSSA Reading 11	11	2	3	0.5
907	Freshman Seminar	9	2	5	1.0
908	Senior Graduation Project	12	2	0	0.0
994A	Early Release I	12	2	5	0.0
994B	Early Release II	12	2	10	0.0
994C	Early Release III	12	2	15	0.0

Course descriptions may be found on Page 50-51

LEARNING SUPPORT COURSE OFFERINGS

Course Number	COURSE TITLE	Recommended Grade Level	Number of Semesters Per Year	Periods Per Week	Units of Credit Per Year
911	Math	9-12	2	5	1.0
912	General Math	9-12	2	5	1.0
913I	Algebra 9	9-12	2	5	1.0
915	General Science	9	2	5	1.0
915I	Biology I	9	2	5	1.0
916	Basic Biology	10	2	5	1.0
916I	Environmental Science	10	2	5	1.0
917	Earth Science	11	2	5	1.0
917I	Human Biology	11	2	5	1.0
918	Environmental Studies	12	2	5	1.0
918I	Anatomy	12	2	5	1.0
919	Basic Civics I	9	2	5	1.0
919I	Civics I	9	2	5	1.0
920	Basic World History II	10	2	5	1.0
920I	World History II	10	2	5	1.0
921	Basic American History III	11	2	5	1.0
921I	American History III	11	2	5	1.0
922	Basic Pol. Sci./US Hist IV	12	2	5	1.0
922I	PolSci/Rec US History	12	2	5	1.0
923	Basic Language Arts	9-12	2	5	1.0
924	General History	9-12	2	5	1.0
930	Reading	9-12	2	5	1.0
934	Senior Research	12	2	5	1.0
938	Career Prep I	11	2	5	1.0
939	Career Prep II	12	2	5	1.0
940A	Work Experience I	12	2	5	1.0
940B	Work Experience II	12	2	10	2.0
940C	Work Experience III	12	2	15	3.0

Course descriptions may be found on Pages 51-53.

Fayette County Area Vocational-Technical School

175 Georges Fairchance Road
 Uniontown, PA 15401
 (724) 437-2721
 www.fayettevo-tech.org

Students must meet entry requirements before acceptance into any of the Fayette County AVTS programs!

GUIDELINES:

During their 9th grade year, students may apply to the Fayette County Vocational-Technical School. Admittance will be based on academic performance, discipline record, interest in shops, and availability.

All courses are open to male and female students.

A student will not be permitted to attend the FCAVTS if he/she has failed more than one class at the home school the semester before attending the FCAVTS.

A student that fails his/her program at the FCAVTS is not permitted to attend the FCAVTS for two semesters and must select another program should he/she choose to return to the FCAVTS.

If a student is currently attending alternative placement (other than his/her home school), he/she must go through the discipline review process prior to being admitted to any program at the FCAVTS. The review process will include FCAVTS administration, FCAVTS instructor, learning support instructor, guidance counselor and appropriate representation from his/her home school.

COURSE CODE	SHOP	TEACHER	AM	PM
851	Auto Body	Mr. Trimbath	Grades 10/11	Grade 12
852	Agriculture	TBD	Grades 10/11	Grade 12
853	Auto Mechanics	Mr. Lindsey	Grades 10/11	Grade 12
854	Building Construction Occupations	Mr. Petrucci	Grades 10/11	Grade 12
857	Cosmetology	Mrs. Olson	Grades 10/11	Grade 12
858	Diesel Mechanics	Mr. Kopusko	Grades 10/11	Grade 12
859	Information Technology	Mrs. Dean	Grades 10/11	Grade 12
861	Electrical Construction	Mr. Rossi	Grades 10/11	Grade 12
863	Culinary Arts	Mrs. McKulka	Grades 10/11	Grade 12
864	Graphic Arts	Mr. Bowers	Grades 10/11	Grade 12
865	Health Occupations	Mrs. Lowry	Grades 10/11	Grade 12
866	Masonry	Mr. Motchar	Grades 10/11	Grade 12
867	Machine Production Technology	Mr. DeGusipe	Grades 10/11	Grade 12
868	Welding	Mr. Oravets	Grades 10/11	Grade 12
869	Heating/AC and Ventilation	Mr. Moats	Grades 10/11	Grade 12

Review the Fayette County AVTS program descriptions for entry- level requirements before requesting any particular program. All students must demonstrate appropriate behavior in working well with others and alone to accomplish tasks, without being a danger to themselves or other students. Possessing and maintaining a record of good attendance is also necessary. There is no guarantee of program assignment and the instructor is subject to change.

TRANSPORTATION

851 AUTO BODY

(3.5 CREDITS/YEAR)

Students enrolled in the Auto Body program will learn techniques used in repairing components of an automobile, including the frame, suspension, body panels, glass, trim, paint, and upholstery. Students will also learn about automotive electricity, air conditioning, estimating, small business operations and will gain job search skills. Having an interest in automobile repair and a desire to develop manual dexterity is a plus for students entering this competitive program. Upon completion of the program, students can enter the auto body repair field as an advanced apprentice or possibly be tested for advanced placement in post-secondary trade schools. Those

obtaining all competencies in the program can take the National Certification test and have their skills certified by the National Occupational Competency Testing Institute. (NOCTI Certification)

853 AUTO MECHANICS

(3.5 CREDITS/YEAR)

The Auto Mechanics course is designed to give the student basic knowledge in maintenance and repair of motor vehicles. The student will gain an understanding of specialized tools and equipment required for automotive repair. Each student is encouraged to develop proper attitudes along with the necessary manipulative skills and technical knowledge that will allow him/her to advance according to his/her abilities. The program is taught by group and individual instruction, demonstration, and "hands on" application. Students considering this program should exhibit skills in manual dexterity and have a desire to work in the automotive repair industry. Students completing the program may find entry-level employment as a mechanic, technician, parts manager, sales person, and a variety of related positions. Those obtaining all competencies in the program can take the National Certification test and have their skills certified by the National Occupational Competency Testing Institute. (NOCTI Certification)

858 DIESEL MECHANICS

(3.5 CREDITS/YEAR)

The diesel mechanics course provides students with classroom and lab experience concerned with different phases of repair work on diesel engines used to power buses, automobiles, trucks, railroad trains, stand-by electrical generators, construction machinery, and similar equipment. Instructions and practice provided in the basic knowledge of shop safety, hand and measuring tools, diagnosis of malfunction, disassembly, repair and adjustment of engine components, lubrication, coolant, fuel injection, and electrical systems, auxiliary and accompanying power units controls and transmissions. Students interested in developing mechanical skills and have basic mathematical skills can excel in this program and upon completion be prepared for entry level mechanical positions in construction, trucking, railroad industry, and other transportation areas service programs. Those obtaining all competencies in the program can take the National Certification test and have their skills certified by the National Occupational Competency Testing Institute. (NOCTI Certification)

TECHNOLOGY PROGRAMS

861 ELECTRICAL CONSTRUCTION

(3.5 CREDITS/YEAR)

If a supercharged career is what you're looking for, then Electrical Construction might spark your interests. From layout and assembly to installation, testing and maintenance of power systems, this program takes a broad-based training approach to preparing students for employment in the electrical industry. Through hands-on training and classroom instruction, students learn the electrical trade practices used in residential, commercial and industrial fields and all in accordance with the national electrical code. Specialty areas including the installation of high voltage lines and electrical distribution systems are also covered. In addition, students will gain valuable hands-on experience with alternative energy sources, such as wind, solar, and geo-thermal energy. Prospective students should possess the ability to read and interpret technical data, manual dexterity, and the ability to work with a great deal of accuracy and precision. Those obtaining all competencies in the program can take the National Certification test and have their skills certified by the National Occupational Competency Testing Institute. (NOCTI Certification)

867 MACHINE PRODUCTION TECHNOLOGY

(3.5 CREDITS/YEAR)

This course is designed to prepare students for entry-level positions in the machine trades industry as well as give students a firm background in mechanical operations should they pursue higher education. Completers will have earned a NIMS (National Institute of Metalworking Skills) Level I credential; an important industry certification. Students with appropriate mathematic skills who have a desire to learn how to build or repair mechanical objects can excel in this program and will be competitive in the job market. During the course students will be presented information along with hands-on training in shaping metal or composite materials with a variety of metal working machines. By completion of the course, students should be proficient in the use of machine tools, numeric control programming, computer numeric control programming and rebuilding of industrial equipment. Students will also have gained experience in computerized machining technology, including a CNC Vertical Machining Center and various other automated machining tools. Those obtaining all competencies in the program can take the National Certification test and have their skills certified by the National Occupational Competency Testing Institute. (NOCTI Certification)

859 INFORMATION TECHNOLOGY

(3.5 CREDITS/YEAR)

Students in the Information Technology Program will train on the latest computer equipment learning some of the hottest skills for the 21st century. Information Technology is an innovative program designed to introduce students to the computer systems and software most commonly used by today's businesses. Instruction and hands-on training is provided in all aspects of computers including building, repair, installing, and maintenance. Students are also trained in Microsoft Office and are introduced to Networking. Students experience programming by maintaining the School's website using HTML and are introduced to Photoshop to take their web design skills to a higher level. CISCO is offered in the program and prepares students for the A+ Certification test. The Information Technology Program lays the ground work for students wishing to take professional level certification exams and also those who want to continue their education beyond the secondary education level. Those obtaining all competencies in the program can take the National Certification test and have their skills certified by the National Occupational Competency Testing Institute. (NOCTI Certification)

SERVICE PROGRAMS

852 AGRICULTURE

(3.5 CREDITS/YEAR)

Students in this program have the opportunity to go directly to work. Students learn the anatomy, physiology, and well-being of farm animals and companion animals/breeds. This course will incorporate plants, greenhouse science, soil science, and Agriculture mechanization as well as plant cultivation and soil conservation. Instruction may also include Aquaculture and Hydroponics. Prospective students should possess a strong desire to work outdoors, physical strength, stamina, and the ability to work with limited supervision.

857 COSMETOLOGY

(3.5 CREDITS/YEAR)

Within this three-year course, students will learn to cut, style, color, permanent wave, and chemically relax hair. Nail care and make up application techniques are also a part of the course. Instruction includes state law requirements in cosmetology, hair structure, basic anatomy, chemistry and related information. Students interested in hair care and styling, nail care and make up, like working with people and have good attendance have the opportunity to complete the required 1250 hours of instruction required by the state. Upon completion of the required hours, students will be eligible to take the state board examination. Those who successfully pass the exam will be issued an operator's license enabling him/her to work in Pennsylvania salons, as well as being prepared to work for a company marketing hair care and beauty products, work as wig dressers, beauty consultants, theatrical or studio hair dressers, or as a make-up artist. Those obtaining all competencies in the program can take the National Certification test and have their skills certified by the National Occupational Competency Testing Institute. (NOCTI Certification)

863 CULINARY ARTS

(3.5 CREDITS/YEAR)

Students enrolled in the Food Service program learn the main functions of food service personnel: ordering, preparing, cooking, and serving of food in restaurants, snack bars, cafeterias, hotels, institutions and other dining places. Students receive instruction and practical applications of the food service industry. Nutrition, sanitation, and restaurant management are also studied throughout the course. Through completion of this program, students interested in any of the food service occupations will be prepared for entry-level positions in a wide variety of jobs. Students are able to become certified in ServSafe while still in school. Students can also seek higher education in this field through colleges, universities, and specialty schools such as culinary institutes. Those obtaining all competencies in the program can take the National Certification test and have their skills certified by the National Occupational Competency Testing Institute. (NOCTI Certification)

864 GRAPHIC ARTS

(3.5 CREDITS/YEAR)

The Graphic Communication program is designed to prepare students for entry-level positions or higher education in a variety of career areas including: sales, printing, photography, darkroom work, layout and design, art bindery, reporting journalism, proof reading, editing and pre-press work. Students will be introduced to and develop skills in making layouts, developing line and halftone negatives, darkroom setup and procedures, sketching, folding, sign press operation, computer typesetting, design work and newspaper production. Students with an interest in art who have a positive attitude, can work as part of the team, and have good attendance are most successful in this program. Having some typing and basic math skills are helpful. Students completing this program will have developed skills for entry-level employment in industry, military service or higher education. Those obtaining all competencies in the program can take the National Certification test and have their skills certified by the National Occupational Competency Testing Institute. (NOCTI Certification)

865 HEALTH OCCUPATIONS

(3.5 CREDITS/YEAR)

This course is designed to introduce students to a wide variety of professional careers in the medical field. Students are provided technical information and will engage in activities designed to develop practical skills needed in the health occupations. Upon completion of this course, students can enter directly into a number of entry-level positions in health care facilities. Included in this three-year program is a state approved Nurse's Aid Training Program with supervised practical training. Upon successful completion, students will have earned a Nurse Aide Certification. Students interested in continuing their education can choose from a wide variety of health related curricula at colleges, universities, or medical facilities. If you like helping others or have any interest in health care, this program can help you decide on the most appropriate health occupation for your future. Those obtaining all competencies in the program can take the National Certification test and have their skills certified by the National Occupational Competency Testing Institute. (NOCTI Certification)

CONSTRUCTION/MANUFACTURING

854 BUILDING CONSTRUCTION OCCUPATIONS

(3.5 CREDITS/YEAR)

Students in this program learn specifics about the materials and tools, as well as processes and procedures used in constructing and maintaining buildings. Training includes: the basics of carpentry, millwork, plumbing, painting, glazing, electricity, plastering, brick and block laying, concrete flat work, forms and foundations, tile setting, hardware usage, water proofing, roofing, record keeping and estimating. Students are given the fundamentals of related math and blueprint reading skills necessary for the trade. Safety for every area of construction is an integral part of this course. Prospective students should have strength and physical stamina, like to work with their hands, enjoy working with others, and have a desire to work in one of the construction areas. Upon completion of the program students will be prepared for entry-level jobs in the construction industry. Those obtaining all competencies in the program can take the National Certification test and have their skills certified by the National Occupational Competency Testing Institute. (NOCTI Certification)

869 HEATING, VENTILATION, AND AIR-CONDITIONING/REFRIGERATION

(3.5 CREDITS/YEAR)

Environmental climate control is expanding in all residential, commercial and industrial areas. Therefore, the Heating/Ventilating/Air Conditioning (HVAC) industry is in need of skilled, trained personnel at all levels. The HVAC program includes training in installation, repair, basic trouble-shooting, and maintenance of environmental climate control equipment in residential, commercial and industrial buildings and vehicles. Students are eligible and prepared to take an examination giving them EPA Universal Certification, a valuable, nationally recognized industry certification. Students who enjoy working with their minds and hands and have an interest in HVAC have the opportunity through this program to gain the skills necessary to gain entry-level positions in this field or can seek higher education. Some graduates of this program have been successful in completing higher education through associate degree programs in Energy Systems Technology, HVAC and similar areas at local universities and technical schools. Those obtaining all competencies in the program can take the National Certification test and have their skills certified by the National Occupational Competency Testing Institute. (NOCTI Certification)

866 MASONRY

(3.5 CREDITS/YEAR)

The Masonry course is designed to give a student general knowledge in the field of bricklaying, block laying, and cement work. Students are given practical instruction in the lab and occasionally on actual jobs in the field. Projects include pouring sidewalks, patios and concrete floors, laying tile walls and floors, and building small walls and buildings of brick and stone. Good manual dexterity is helpful for students entering this program along with an enjoyment of hand and outdoor work. Upon completion of the program, the student is ready to start an apprenticeship program or entry-level position. Those obtaining all competencies in the program can take the National Certification test and have their skills certified by the National Occupational Competency Testing Institute. (NOCTI Certification)

868 WELDING

(3.5 CREDITS/YEAR)

The Welding course is designed to educate students to their highest level of competencies in the welding field. Training includes electric (arc welding), S.M.A.W. welding, T.I.G. and M.I.G. welding, blueprint reading, brazing, cutting and welding with the oxy-fuel process, and also safety precautions and proper use of both power and hand tools. Any student that works well with their hands, enjoys creating objects and takes pride in accomplishing tasks from their own talents should enjoy welding and working with metals. Skills needed for welding are motivation, hand coordination and basic mathematics. Upon completion of the three-year program, the students will be ready to enter the job market with a completed welding certification listing all phases of welding they have accomplished. Students also have the opportunity to enter welding contests sponsored by the American Welding Society and earn a Certified Welder Certificate. SkillsUSA also sponsors state and national contests for welders that could earn participants recognition. Those obtaining all competencies in the program can take the National Certification test and have their skills certified by the National Occupational Competency Testing Institute. (NOCTI Certification)

COOPERATIVE EDUCATION

Cooperative Education combines classroom study with planned and supervised paid vocational experience and selected employment assignments. It involves students pursuing their career objective while attending school through half-day sessions. Cooperative Education is a program established by the Pennsylvania Department of Education.

The Cooperative Education program is designed to help the students understand and cope with the world of work while providing an educational experience through on-the-job training so the student "learns while he/she earns." Cooperative Education also provides the employers in the community with responsible citizens who can be trained and skilled to meet the companies' desires and interests.

This program promotes a close relationship with the community and the school in developing skills for a better place to live and work. This provides a pool of potential full-time employees who are trained to meet the companies' requirements and that are proven through part-time work. Their productivity results in better selection of entry-level personnel.

SOFT SKILLS/CAREER DEVELOPMENT PROGRAM

The FCAVTS Soft Skills Program has been developed to partner with the shop programs to assist our students in gaining the skills necessary to showcase themselves so they can secure employment in today's highly competitive market. Our students receive superior training in their program of study so they excel in their trade areas, but in today's job market, applicants need to stand out above the rest. We cover areas such as Resume Preparation, Career Link Account Set-Up, Cover Letters, and Mock Interviews. Additionally we also have discussions on topics such as Developing a Strong Work Ethic, Tattoos and Body Piercings in the Workplace, Business Etiquette, and What It Takes To Get The Job.

GUIDANCE SERVICES

The FCAVTS Guidance Department serves all students at the school in areas such as career interest and preparation, post-secondary planning and exploration, and connections with the home school district. The Guidance Department also assists with students' personal and social development. Students are introduced to post-secondary technical schools, programs of study, colleges, and the workforce with collaboration from the Co-Operative education program. Each student contributes to an individualized plan for their academic, career, and personal success. Guidance helps make the link between being a high school student and a professional, whether in the world of work or as a continuing student.

STUDENT ORGANIZATIONS

Student Council

NTHS (National Technical Honors Society)

SADD (Students Against Destructive Decisions)

Bots IQ (Battle-Bots)

SkillsUSA (formerly V.I.C.A.)

HOSA (Health Occupations Students of America)

SkillsUSA is a national organization designed exclusively for trade, technical, industrial and health students. It offers each student the opportunity to learn the leadership skills, trade skills, and social skills that can be used throughout life. Each student can excel through local, state, and national contests and awards programs. SkillsUSA prepares youth for life and instills spirit and a desire to learn, to grow, and to become a productive member of society.

Other areas of student participation include community service projects, professional training and social activities including skating parties, dances, a trip to Kennywood, etc.

COURSE OFFERINGS

LANGUAGE ARTS

All required Language Arts courses include PSSA reading and writing study and preparation.

002 ACADEMIC ENGLISH I (Freshmen) (1 CREDIT)

Students will review the fundamentals of grammar, punctuation and usage, and be introduced to a more intensive study of the same. An introduction to literature will encompass reading and criticizing selected prose and poetry. A structured vocabulary study is also an integral part of this course, as is paragraph and theme writing.

003 HONORS ENGLISH I (Freshmen) (1 CREDIT)

Prerequisite: Grade 8 Honors English with B average, Grade 8 English with A average

This course is designed for the student who has exhibited superior skills in English grammar and composition. Grammar, usage, mechanics, and punctuation are reviewed, and paragraph and theme development are stressed. A study of literature along with college-bound vocabulary studies complement this course.

Note: Two novels will be required to be read during the summer preceding this course. Failure to complete summer assignments is not an acceptable reason to drop a course in the following school year.

005 ACADEMIC ENGLISH II (Sophomores) (1 CREDIT)

This course includes the basic fundamentals of English grammar, usage, and mechanics. Writing includes paragraphs, essays and exposition. Research techniques will be developed. Literature includes the reading of short stories, plays, poetry and novels in order to understand and to appreciate the content.

006 HONORS ENGLISH II (Academic Sophomores—B average) (1 CREDIT)

The high ability college student will focus primarily on writing skills and proper usage in this advanced format. Liberal amounts of literature and vocabulary will round out this course.

Note: Two novels will be required to be read during the summer preceding this course. Failure to complete summer assignments is not an acceptable reason to drop a course in the following school year.

008 ACADEMIC ENGLISH III (Juniors) (1 CREDIT)

This course will survey some of America's classic writers of short stories, poems, plays and non-fiction. Other areas include the mechanics of writing, discussions and debate, reading and listening skills, and language development

009 ADVANCED PLACEMENT LANGUAGE AND COMPOSITION III (Juniors- B average) (1 CREDIT)

This course is designed to help hone the writing and reading skills necessary for the college world. The course will emphasize the connection between reading and writing and will engage the students in exploration and construction of a variety of composition styles. Students will offer thoughtful and analytical comments on a variety of nonfiction readings; experiment with writing techniques in their own works; share constructive comments on each other's essays. Students **must** be willing to devote extra time and energy to the rigorous structure of this class.

Note: Two assigned novels will be required during the summer preceding this course. Failure to complete summer assignments is not an acceptable reason to drop a course in the following school year.

Prerequisite: Students must have a "B" average or better in Honors English II as well a recommendation from the teacher of that course.

011 ACADEMIC ENGLISH IV (Seniors) (1 CREDIT)

This course contains critical analysis of British Literature, advanced written communication, vocabulary taken from the literature, and research techniques. One assigned novel must be read during the summer, and students will be given a writing prompt based on the novel.

012 ADVANCED PLACEMENT COMPOSITION AND LITERATURE IV (Seniors) (1 CREDIT)

This course emphasizes the development of skills in critical reading of literature and in writing about literature and related ideas. It is for students capable of doing college-level work in English while they are in secondary school, who are willing to devote the energy necessary to complete a course more rigorous and demanding than other high school English courses designed for the college-bound student. **Two assigned novels must be read during the summer, and students will be given a writing prompt based on the novels. Failure to complete summer assignments is not an acceptable reason to drop a course in the following school year.** Students in this class must have a "B" or better average in the Junior Honors English Class and be recommended by their previous English teacher.

014 SPEECH/FORENSICS (Juniors and Seniors) (1 CREDIT)

This course is intended for Academic Arts and Honors students who wish to develop and polish their speaking skills. Focus will be placed upon development of skills of organization, logic, manuscript preparation and criticism. Students will perform dramatic

interpretations, engage in in-class debates and will be offered the opportunity to debate in a civic forum. The course may be repeated for credit with prior teacher and principal approval.

015 CREATIVE WRITING (Juniors and Seniors) (1 CREDIT)

Creative Writing is a one credit elective course offered by Laurel Highlands High School, open to all students in their junior and senior year who have an interest in creative expression and bodies of work. Students must be signed off by their freshman and sophomore English instructors to ensure that they have passed the first two years of English with satisfactory performance. The Creative Writing course will be guided by the instructor's online forum, which facilitates class interaction, as well as through day-to-day class instruction. A more detailed outline, as well as all assignments and pertinent class information, will be posted on the online course forum.

016 BROADCAST NEWS/SPORTS JOURNALISM(Sophomores, Juniors, and Seniors) (1 CREDIT)

Prerequisite: "B" or better in previous year's English class.

Enter the exciting world of TV and Sports Journalism. Broadcast journalism students will write, interview, film and produce their own TV news, feature and sports shows, while developing public speaking, writing and communication skills. Mustang Round-Up, a show by and about LH students, will air twice a year on CUTV. Students will spend one semester producing Mustang Round-Up and learning about career, ethical and legal issues from professional guest speakers. A second semester will focus on sports writing, reporting, interviewing, editing and partnering with Video Production students to create sports human interest stories and other sports-related activities. Deadline writing and some after-school availability is required.

901 PSSA READING 12 (Seniors) (This class does not satisfy required english credit.) (0.5 CREDIT)

All students graduating from Laurel Highlands High School must display proficiency on the PSSA Reading Assessment administered during their junior year. Students failing to score at the Proficient or Advanced Level will be scheduled for this class and must participate in the PSSA retest in November. Students failing to score at the Proficient Level on the retest must remain in the class and earn a passing grade to meet the graduation requirement.

906 PSSA READING 11 (Juniors) (This class does not satisfy required english credit.) (0.5 CREDIT)

Grade 11 students failing to score at the Proficient or Advanced Level on their 9th & 10th Grade 4Sight Tests will be scheduled for a PSSA Reading remediation class during their Junior year. The course reviews the basic concepts using problems similar to those included on the PSSA Assessment. Specific instructions, assessments, and diagnostics for each standard are addressed.

SOCIAL STUDIES

100 CIVICS (Freshmen) (1 CREDIT)

Students will examine the role Pennsylvania played in the development of the colonial economy, the role Pennsylvania played in the concepts of freedom of religion, speech and the press, as well as the geography of Pennsylvania. Explore the early traditions of our democracy, the foundations of our system of government, and the structure of the Articles of Confederation. In addition, students will study the current Constitution of the United States, its form and structures, the duties of the President, congressmen and the Supreme Court. Students will explore the amendments, and the rights and responsibilities of citizenship, as well as what it means to be a good citizen. Students will also learn about our economic system.

101 HONORS CIVICS (Academic Freshmen) (Teacher Recommendation) (1 CREDIT)

Prerequisite: An "A" average in 8th Grade History and Teacher Recommendation

Honors Civics prepares the students to become well-informed citizens who make good decisions for themselves and for the public good. This class will take a detailed look at the American system of government, beginning with our English heritage. Major documents will be examined including the Declaration of Independence, the Articles of Confederation, and the Constitution of the United States. Students will be able to interpret the main parts of the Constitution, including the amendments and how these rights and freedoms affect the student's everyday life. Students will also learn about the structure of the United States Congress, the responsibilities of the Presidency, and the role of the Supreme Court. This course focuses upon developing critical-thinking skills. Students will be required to write essays as directed by the instructor and to participate in class discussions. Group and individual projects and activities are conducted on a regular basis. Students should have a good work ethic and good organizational skills to be successful in this class.

102 WORLD HISTORY (Sophomores) (1 CREDIT)

This course is designed to show the student social, political, economic, and religious characteristics of the different cultural regions of the world.

103 HONORS WORLD HISTORY (Sophomores) (1 CREDIT)

Pre requisite: Honors Civics - B average/teacher recommendation

The Honors World History course will go beyond the academic World History course to a more in-depth analysis of World History. This will be achieved by holding the students to higher standards which includes outlining outside reading assignments other than the textbook, research, essay testing and a course that moves at a faster pace than academic.

104 AMERICAN HISTORY (Juniors)

(1 CREDIT)

This course studies important historical, cultural, and political events occurring from 1877 to 1953. The course includes the study of the following topics: the Progressive Movement, political machines, the Spanish-American War, World War I, the Roaring Twenties, the Great Depression, World War II, the start of the Cold War, and the Korean War.

105 ADVANCED PLACEMENT AMERICAN HISTORY (Juniors)

(1 CREDIT)

Prerequisite: Academic Program of Studies, "B" average, and Teacher Recommendation

The advanced placement course in American History makes demands on students that are equivalent to those of an introductory college course. It gives students a thorough grounding in facts, their context, and their causes and results. Students learn how to read historical material analytically and critically, to weigh historical evidence and interpretations, and to arrive at conclusions on the basis of facts rather than prejudices. **This course will require summer assignments to be completed prior to the beginning of next school year. Failure to complete summer assignments is not an acceptable reason to drop a course in the following school year.**

106 POLITICAL SCIENCE/RECENT U.S. HISTORY (Seniors)

(1 CREDIT)

The first semester will be a study of American government and the institutions that make up our system of government. The topics covered will be: The Constitution, Federalism, Civil Liberties, Civil Rights, Political Parties, Congress, The Presidency, The Supreme Court, Bureaucracies, and Foreign Policy. The second semester will be a study of the Political Science/History of the United States since 1941. Topics covered will be: World War II, The Cold War, Bay of Pigs, The Space Race, The Vietnam War, Watergate, The Civil Rights Movement, Ayatollah Khomeini and the United States Hostages in Iran and The Reagan Years.

111 AP US GOVERNMENT AND POLITICS (Seniors)

(1 CREDIT)

Prerequisite: Academic Program of Studies, "A" average and teacher rec. of previous Social Studies teacher.

This course includes the study of general concepts to interpret US politics and the politics of other selected nations. It requires familiarity with the various institutions, groups, beliefs, and the ideas that constitute political culture. Students will study the U.S. Constitution, elections, U.S. Congress, government institutions, and civil rights. The course aims to illustrate the rich diversity of political life, to show institutional alternatives, to explain the differences in processes and policy outcomes, and to communicate to students the importance of domestic and global politics. **This course will require summer assignments to be completed prior to the beginning of next school year. Failure to complete summer assignments is not an acceptable reason to drop a course in the following school year.**

112 AP COMPARATIVE GOVERNMENT AND POLITICS (Seniors)

(1 CREDIT)

Prerequisite: Academic Program of Studies, "A" average and teacher rec. of previous Social Studies teacher.

This course includes the study of the government and politics of China, Iran, Mexico, Nigeria, Russia, and the United Kingdom. It requires familiarity with the various institutions, groups, beliefs, and the ideas that constitute political culture. The course aims to illustrate the rich diversity of political life, to show institutional alternatives, to explain the differences in processes and policy outcomes, and to communicate to students the importance of domestic and global politics. **This course will require summer assignments to be completed prior to the beginning of next school year. Failure to complete summer assignments is not an acceptable reason to drop a course in the following school year.**

126 PSYCHOLOGY (Sophomores, Juniors, and Seniors)

(1 CREDIT)

(This course does not satisfy a Social Studies graduation requirement)

The purpose of a course in Psychology is to introduce the student to the systematic and scientific study of the behavior and mental processes of human beings and other animals. Students will be exposed to the psychological facts, principles, and phenomena associated with each of the major sub-fields within psychology. They will also learn about methods psychologists use in their science and practice, study the mind, personal growth, gender differences, personality and the social cultural influences that shape their lives.

127 CURRENT EVENTS - SOUTHWESTERN PA HISTORY (Freshmen, Sophomores, Juniors and Seniors) (1 CREDIT)

(This course does not satisfy a Social Studies graduation requirement)

Prerequisite: A genuine interest in wanting to know what is going on around you. Learn what is going on in the world today. This class will be a discussion of current issues in the News, Politics, economics, health, environment, global, and controversial topics. Headlines will be debated and discussed daily. There will also be a minor study in Southwestern Pa history. The class will discuss historical events that took place in our area.

130 ADVANCED PLACEMENT PSYCHOLOGY (Juniors and Seniors)

(1 CREDIT)

Prerequisite: Honors World History or AP American History (B or better/teacher recommendation)

(This course does not satisfy a Social Studies graduation requirement)

AP Psychology is designed to introduce students to the systematic and scientific study of the behavior and mental processes of human beings and other animals. Students are exposed to the psychological facts, principles, and phenomena associated with the major subfields within psychology. The course stresses critical thinking, reading, writing, essay testing, and outlining with the context of scientific methodology and questioning. This course makes demands of the students that are equivalent to that of an introductory college course. The course is designed to help the student successfully complete the AP Psychology Exam. **This course will require**

summer assignments to be completed prior to the beginning of next school year. Failure to complete summer assignments is not an acceptable reason to drop a course in the following school year. Due to the enrollment in Psychology I, students will not be permitted to drop from AP Psychology to Psychology I at any time during the school year.

665 GEOGRAPHY AND ECONOMICS FOR FINANCE/TRAVEL AND TOURISM (Seniors) (1 CREDIT)

Year long course geared at having students develop broad geographic skills. In addition students learn how economics, culture, history and political issues all affect the study of geography and how geography affects these other disciplines. Consistent attendance is mandatory. (This course does satisfy the Grade 12 Social Studies graduation requirement)

MATHEMATICS

All required Mathematics courses include PSSA Mathematics study and preparation.

200 ALGEBRA 9 (Freshmen and Sophomores) (1 CREDIT)

The first course of beginning Algebra skills includes expressions, equations, integers, powers and exponents, polynomials, factoring, ratios, proportions, percents, inequalities, and an introduction to the coordinate plane. Also, PA State Standards in Algebra and PSSA applications are stressed.

201 ALGEBRA 10 (Sophomores and Juniors) (1 CREDIT)

The course is a continuation of algebra skills that emphasizes more advanced concepts such as linear functions and polynomials. This course consists of topics, such as relations and functions, graphing functions, scatter plots and trend lines, arithmetic sequences, finding intercepts, rate of change and slope, slope-intercept form, point-slope form, slopes of parallel and perpendicular lines, exponents, polynomials, and factoring.

202 GEOMETRY 11 (Juniors) (1 CREDIT)

Course includes basic Geometry skills with an emphasis on properties of figures and shapes. The right triangle will be developed. All formulas for area, perimeter, surface area, and volume will be used. Emphasis will also be placed on reviewing for the Junior year PSSA exam.

203 ALGEBRA 12 (Seniors) (1 CREDIT)

The continuation of algebra skills into more advanced concepts such as quadratic functions, system of equations and matrices. The second semester will include concepts of consumer mathematics. **Students who have previously taken and passed Algebra II, or a higher math course, will not receive credit for this class.**

206 ALGEBRA I (Freshmen, Sophomores, Juniors, Seniors) (1 CREDIT)

This course includes basic mathematic skills needed for higher mathematics and science courses, including expressions, equations, polynomials, factoring, ratio and proportion, linear functions, systems of equations and inequalities.

207 ALGEBRA II (Sophomores, Juniors, Seniors) (1 CREDIT)

Prerequisite: Algebra I, Geometry(Grade of C or Better)

This course continues the student's understanding of Algebra. The study enables the student to understand the concepts and skills essential in mathematics. The pupil is guided in discovering mathematical principles and is strengthened in his understanding of such principles and their usefulness. It is strongly recommended that the student enrolled in this course would have completed Algebra I and Geometry with a C or above average.

208 HONORS ADVANCED ALGEBRA (Sophomores) (1 CREDIT)

Prerequisite: "C" or better in Geometry "9"

This course emphasizes facility with Algebraic expressions and forms, especially linear and quadratic forms, powers and roots and functions based on these concepts. Students study logarithmic, trigonometric, polynomial and special functions both for their abstract properties and as a tool for modeling real-world situations. At no time throughout the year is a student permitted to transfer from this course to traditional Algebra II.

209 GEOMETRY (Freshmen, Sophomores, Juniors, Seniors) (1 CREDIT)

Prerequisite: Pass Algebra I with a C or higher

This course is designed so that the student "discovers" the relationships of geometry using inductive reasoning. All geometric figures will eventually lead to right triangles and on to other figures. Students are exposed to the concept of proofs for these relationships. It is strongly recommended that the students enrolled in this course would have completed Algebra I with a "C" or better average.

210 HONORS GEOMETRY (Freshmen) (1 CREDIT)

Prerequisite: "C" or better in Honors Algebra I

Algebra is integrated with Geometry and coordinates and transformations are used throughout in both two and three dimensions. Measurement, area, and volume are presented early. Proof is developed slowly and carefully. History, famous problems, and real-life

situations justify important concepts while motivating students. At no time throughout the year is a student permitted to transfer from this course to traditional Geometry.

211 HONORS FUNCTIONS / TRIGONOMETRY / PRE-CALCULUS (Juniors) (1 CREDIT)

Prerequisites: "B" or better in Honors Advanced Algebra "10"

This course integrates algebraic concepts and previews calculus in work with functions and intuitive notions of limits. Advanced work with trigonometric and circular functions is included. Graphing calculators will be available for student use in plotting functions, analyzing data and simulating experiments.

212 TRIGONOMETRY/PRE-CALCULUS I (Juniors and Seniors) (1 CREDIT)

Prerequisites: Algebra I, II and Geometry

Trigonometry will address the study of triangles and the relationships of their components, including scientific applications. Pre-Calculus will provide advanced study in Algebra and Analytic Geometry in preparation for Calculus. This course is recommended for the science, math or engineering student who is planning to take Calculus. It is strongly recommended that the student enrolled in this course would have completed Algebra I, Geometry, and Algebra II with a C or above average.

213 PRE-CALCULUS II/STATISTICS (Juniors and Seniors) (1 CREDIT)

Prerequisites: Algebra I, II, Geometry, Trigonometry/Pre-Calculus I

This course is to prepare college-bound students for a first course in Calculus. Covered topics include analytic geometry, graphing techniques, second-degree relations, limits of functions, and rates of change (derivatives). Statistics is an introductory course in the use and interpretation of statistical methods for analyzing and drawing conclusions from data.

214 ADVANCED PLACEMENT CALCULUS "12" (Seniors) (1 CREDIT)

Pre-requisite: "B+" or better in Honors Functions/Trigonometry /Pre-Calculus and "A" in Honors Adv. Algebra 10, or "A" or better in Trigonometry/Pre-Calculus I

The student will study the derivative, differentials and the integral with appropriate applications. This course is an excellent choice for the science, engineering or advanced math student. A graphing calculator will be used extensively to analyze the derivatives and integrals of functions.

The student may take the Advanced Placement Exam and upon qualification, receive advanced placement or credit for a Calculus course when they enter college. The student will be given the option to earn three transferable college level credits from University of Pittsburgh for a fee of \$200, through the College in High School Program.

215 ELEMENTARY CALCULUS (Seniors) (1 CREDIT)

Pre-requisite: "B+" or better in Honors Functions/Trigonometry /Pre-Calculus and "B" in Honors Adv. Algebra 10, or "A" in Trigonometry/Pre-Calculus I

The student will begin the course with a basic review of Pre-Calculus and Trigonometry and lead into the basic concepts of Calculus. Derivatives, differentiation, and integration with appropriate application will be studied throughout the course. Graphing calculators will be used to aid in the analysis of derivatives and integrals. This course is an excellent choice for the college bound student who is preparing for a career in math or engineering.

219 AP STATISTICS (Juniors, Seniors) (1 CREDIT)

Prerequisite: Recommended to be taken following, but may be taken in addition to 211 Honors Trigonometry/Functions/Pre-Calculus "11" and "A" in Honors Adv. Algebra 10.

This course is an in-depth study of Statistics for the highly motivated student. Its purpose will be to introduce the students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. In addition, students will participate in statistical projects based on data collected within the school and surrounding area. This course is recommended for students who plan to major in college in the areas of engineering, psychology, sociology, health, science, and business. The student may take the Advanced Placement exam and, upon qualification, receive advanced placement or credit for a Statistics course when the enter college. The student will be given a second option to earn four transferable college level credits from the University of Pittsburgh for a fee of \$200 through the College in High School Program of the University.

900 PSSA MATH 12 (Seniors) (This class does not satisfy required math credit.) (0.5 CREDIT)

All students graduating from Laurel Highlands High School must display proficiency on the PSSA Mathematics Assessment administered during their junior year. Students failing to score at the Proficient or Advanced Level will be scheduled for this class and must participate in the PSSA retest in November. Students failing to score at the Proficient Level on the retest must remain in the class and earn a passing grade to meet the graduation requirement. This course reviews the basic mathematics, algebra, and geometry concepts using problems similar to those included on the PSSA test. Specific instructions, assessments, and diagnostics for each standard are addressed.

904 PSSA MATH 11 (Juniors) (This class does not satisfy required math credit.) (0.5 CREDIT)
Grade 11 students failing to score at the Proficient or Advanced Level on their 9th & 10th Grade 4Sight Tests will be scheduled for a PSSA Mathematics remediation class during their Junior year. The course reviews the basic mathematics, algebra, and geometry concepts using problems similar to those included on the PSSA Assessment. Specific instructions, assessments, and diagnostics for each standard are addressed.

SCIENCE

All required Science courses include PSSA Science study and preparation.

301 BIOLOGY (Freshmen) (Name change only, formerly Academic Biology) (1 CREDIT)
Ninth grade biology is an introduction to the scientific study of living things. Basic biological concepts such as the scientific method, parts of the cell, use of the microscope, the classification system, dissection of small animals, and important men of biology are covered. Environmental awareness will be stressed through identification of common species of plants, animals, protists, monerans, and fungi.

302 HONORS BIOLOGY (Freshmen) (1 CREDIT)
Prerequisite: B or higher in 8th grade Science and teacher recommendation
Honors Biology is a course for students with an interest in science. This course investigates the intricate world of living organisms. Student taking this course will explore the methods of science, ecology, cell structures, functions and processes, basic chemistry and genetics. They will be held to high expectations regarding their quality of work and personal behavior. A variety of instructional methods will be used including computer-based instruction, projects, discussions and laboratory investigations. Students will be expected to complete a science laboratory research project and lab report.

306 ENVIRONMENTAL SCIENCE (Sophomores, Juniors and Seniors) (1 CREDIT)
(Name change only, formerly Applied Biology and Chemistry I)
This course presents biological and chemical concepts that affect the environment. Topics covered include natural resources, synthetic materials and waste and waste management. It emphasizes problem solving, decision-making, and the scientific method of inquiry using laboratory procedures. Career opportunities in science are also explored.

307 HUMAN BIOLOGY (Sophomores, Juniors, and Seniors) (1 CREDIT)
(Name change only, formerly Applied Biology and Chemistry II)
Human Biology will present biological and chemical concepts that affect human biological processes. Topics covered will include the physiology of the senses, basic metabolic processes, removal of metabolic wastes, genetic traits and basic population genetics, infectious diseases, and the physiological effects of drugs on the body. It emphasizes problem solving, decision-making, and the scientific method of inquiry using laboratory procedures. Career opportunities in science are also explored.

308 CHEMISTRY (Sophomores, Juniors, Seniors) (1.0 CREDIT)
(Name change only, formerly Academic Chemistry)
Prerequisite: Algebra I or teacher recommendation
This course is designed to familiarize the student with the scientific method of inquiry, laboratory procedures and apparatus, the metric system, the importance of accuracy in measurement and calculations, development and growth of vocabulary and the basic nature of matter. Topics included are sections dealing with chemical formulas, equations and reactions, gas laws, the history of atomic theory, the periodic table and an introduction to organic chemistry. Key experiments are performed which are devised to develop an understanding and appreciation of the transformation of matter.

309 HONORS PHYSICS/LAB (Juniors and Seniors) (Lab—three days a cycle) (1.5 CREDIT)
(Formerly Academic Physics)
Prerequisites: Algebra I, II, and Geometry. Note: Students should schedule Physics and Trigonometry the same year.
Students enrolled in the academic curriculum and considering going to college or a technical school should take this course as a junior or senior.

The course in Physics covers several areas describing the world in which we live: Objects in motion, forces, momentum, energy, and power, light & optics, electricity & magnetism, and atomic & nuclear theory. The course content is supported with demonstrations, multimedia presentations, laboratory, and a thorough background in problem solving. Class meets 9 periods per 6 day cycle. The extra periods provide ample time for student lab work. This course is intended to provide students with the solid high school background in physics that most colleges expect their incoming freshmen to possess. **(Students completing course number 314 Physics may schedule course number 309 Honors physics/Lab for science credit the following year. Course prerequisites must be met in order to schedule course number 309.)**

310 AP CHEMISTRY II/LAB (Juniors and Seniors) (Lab—three days a cycle) (1.5 CREDITS)
Prerequisite: B or better in Honors Chemistry or teacher recommendation and currently enrolled in Honors Advanced Algebra, Algebra II, or Trigonometry/Pre-Calculus. **A summer review packet will be assigned in May to perspective students. Failure to complete summer assignments is not an acceptable reason to drop a course in the following school year.**

This course is designed for student who plans a career in a science related field such as medicine, pharmacy, dentistry, or engineering. Students may also take the AP Chemistry Exam in the spring for possible college credit. This course is also part of the 720 Program and credit may be obtained from California University of PA for a reduced cost by making a "C" or better in the class. Topics include bonding, thermodynamics, liquids and solids, solutions and colligative properties, kinetics, equilibrium including acid/base, precipitation, complex ions, entropy, and electrochemistry. Students will have access to mentoring via tutors on-line as well as practice exams and web solutions to selected problems found in the textbook.

311 AP PHYSICS (Seniors) (1 CREDIT)
Prerequisite: The student enrolling in this course should have previously taken Academic Physics and should also be taking Calculus during the senior year. Teacher Recommendation

The concepts covered in this Advanced Placement course are similar to those in Academic Physics, but a college textbook is used to cover the material at a much greater depth and with the use of calculus as a mathematical tool. This course is designed primarily for the student who expects to be majoring in a science-related area in college; this includes the medical field, engineering field, technical fields, or computer fields to name a few. Students taking this course should be prepared for a fast-paced study of Physics with frequent reading assignments and problem solving work throughout each week of the course.

312 ANATOMY/PHYSIOLOGY (Seniors) (1 CREDIT)
Anatomy is the study of the structure of living organisms. In this course, we will approach the living organism from both an anatomical and physiological point of view, studying both structure and function. Study will begin with the typical animal cell and continue through to the most complex organism—the human. The course provides an excellent background for students planning to enter the fields of nursing, dentistry, medicine, veterinary medicine, and the biological sciences of any related field.

313 AP BIOLOGY/LAB (Academic Juniors and Seniors) (Lab—three days a cycle) (1.5 CREDITS)
Prerequisite: A "B" average in Honors Biology and Honors Chemistry and Teacher Recommendation.
The Advanced Placement Biology course is designed to be the equivalent of a college introductory biology course. This course will differ significantly from the usual high school biology course with respect to the textbook used, the range and depth of topics covered, the kinds of laboratory work done and the time and effort required of students. The course will cover three general areas: molecules and cells, genetics and evolution, organisms and populations. The three lab days will be used to provide the kinds of labs experienced by college students. Following completion of the course, students can take the A.P. exam. If successful on this exam, they may receive college credit for their studies.
Failure to complete summer assignments is not an acceptable reason to drop a course in the following school year.

314 PHYSICS (Sophomores, Juniors, and Seniors) (1 CREDIT)
Prerequisite: Algebra I or Algebra 9 and Algebra 10, "C" or better
Students enrolled in the academic curriculum and considering going to college or a technical school should take this course as an introductory level Physics course. This course is devoted to developing a *conceptual* understanding of the rules of nature that govern our physical world. Topics range from the classical: Forces and Motion, Heat, Light, Sound, Electricity and Magnetism to the contemporary: Atomic/Nuclear, Relativity, and Quantum theory. The course content is covered through a combination of lecture/demonstration, interactive computer tutorials and videos, hands-on group activities/projects, and virtual labs. Though this course will teach problem solving and the application of simple mathematical formulas to key scientific concepts, the intent is to provide a conceptual base of physical knowledge. This foundation will allow the student to observe, predict, and calculate interactions in the world around them while developing critical thinking and analytical skills. **(Students completing this course may schedule course number 309 Honors physics/Lab for science credit the following year. Course prerequisites must be met in order to schedule course number 309.)**

316 HONORS CHEMISTRY (Sophomores, Juniors, and Seniors) (1 CREDIT)
Prerequisite: B or better in Honors Biology and Honors Geometry – or teacher recommendation. **A summer review packet on mathematical skills inherent to the class will be assigned in May to perspective students. Failure to complete summer assignments is not an acceptable reason to drop a course in the following school year.**
This course is for the student who excels in science and mathematics and is interested in pursuing a career in chemistry or a related field. Topics to be covered are measurement, accuracy and precision, atomic and quantum theories, periodic trends, nomenclature, stoichiometric procedures, gas laws, basic organic concepts, nuclear reactions, and acid/base concepts. Basic laboratory practices will also be demonstrated.

PHYSICAL EDUCATION

NOTE: All students are required to pass a minimum of one Aquatics course.

MEDICAL EXCUSE (ME)

If a student has a medical problem that affects his/her ability to participate in a physical education class, the course will be waived during the time period that the medical condition exists. The medical problem must be documented in writing by a physician and the documentation must be made available to the guidance office to become part of the student's permanent record. If the student has a Medical Excuse for over 50% of the total classes for the year, the student will receive a Medical Excuse (ME) for the year with no credit assigned. The course requirement will be waived for that school year. If the Medical Excuse (ME) is for less than 50% of the total classes for the year, the student will receive the grade he/she earned and credit for the class. For long-term conditions, a new medical excuse must be provided for each school year.

405 P.E. B/G (Freshmen, Sophomores, Juniors, and Seniors) (0.5 CREDIT)

Laurel Highlands High School has redesigned the nature of the courses in the Physical Education Department to reach the developmental needs of the students with carry-over values. The purpose is to develop good attitudes toward physical activity now and for a lifetime. Each grading period, students enrolled in P.E. will choose from one of the activities listed below:

Co-ed P.E. --- Lifetime/Team Sports: This course was designed to equip the learner with the knowledge and skills necessary for participation in team sports and to stress the importance of lifetime sports. Skill explanation and demonstration will be reinforced along with the sport's history and basic rules. Adherence to the rules for each sport, good sportsmanship and practical competition will be highly encouraged. Lifetime/Team sports covered during this course may include, but are not limited to baseball/softball, basketball, football, handball, hockey, soccer, speedball, volleyball, golf, tennis, bowling, archery, badminton, ping-pong and pickle ball.

Co-ed P.E. ---Physical Fitness: This course was designed to educate, evaluate and improve upon the learner's overall physical fitness. Each of the five components of physical fitness (cardiovascular fitness, body composition, flexibility, muscular strength and muscular endurance) will be covered. The instructor will explain the significance in maintaining a healthy level of physical fitness as it relates to a person's overall well being. Training performed during this course may include, but is not limited to aerobics, cardio equipment, plyometrics, weight training, walking/jogging and yoga.

406 AQUATICS B/G (Freshmen, Sophomores, Juniors and Seniors) (0.5 CREDIT)

Lower level skills will focus on the 5 basic strokes: crawl stroke, elementary back stroke, breaststroke, sidestroke, and backstroke. Upper level students must have passed intermediate test or screening by instructor. Upper level skills will consist of stroke perfection, treading water for 3 minutes and proper use of diving board. Recreational time will include the following activities: water polo, water volleyball, water football, aqua-aerobics, jogging in aqua belts and lap swim for fitness.

NOTE: All students are required to take and pass a minimum of one year of Aquatics.

410 HEALTH B/G (Sophomores, Juniors, and Seniors) (0.5 CREDIT)

The main objective of this course is to present material useful to the student in making choices critical to good health and mental well being. Emphasis is placed on the functioning of the biological body, emotional wellness, coping skills, first aid and fitness. Drug and alcohol prevention education is incorporated to build self-esteem and help the students understand the psychology of addiction and the impact of alcohol and other drugs on families and society. The known effects of drug and alcohol are presented as well as identifying self needs, coping skills and responsibility for behaviors.

415 KINESIOLOGY B/G (Juniors and Seniors) (0.5 CREDIT)

Prerequisite: Health Education --- Anatomy/Physiology is recommended

This course will combine in-class studies with "hands-on" lab work in the gymnasium and other training facilities. Course concepts include, but are not limited to: muscle and skeletal mapping, evaluating joint dynamics/articulations, muscle involvement, biomechanical deficiencies, proper and safe exercise techniques and other human mechanics (levers, angle of pull, proper alignments, etc...). Learners in this course will also have an understanding of mechanical principles, such as muscle insertion points, reflexes, and prime movers used in selected sport skills and general movements.

This course is designed to educate and prepare students who have future interest in sports medicine and other like careers such as: exercise science, health/physical education, physical therapy, athletic training, personal training, coaching, chiropractor, massage therapist, rehabilitation, etc.

423 ADAPTIVE P.E. B/G (Freshmen, Sophomores, Juniors and Seniors) (0.5 CREDIT)

Open to all students with permanent medical excuses. The medical problem must be documented in writing by a physician and the documentation must be made available to the guidance office to become part of the student's permanent record. The physical education program will be set up to meet each student's individual needs and in accordance with medical recommendations.

NOTE: All students are required to pass a minimum of one Aquatics course.

WORLD LANGUAGE

- 501 FRENCH I** (Freshmen, Sophomores, Juniors, Seniors) (1 CREDIT)
The four major objectives in learning any foreign language are listening, speaking, reading and writing. The French I course is devoted to listening, speaking, learning French pronunciation, and structuring sentences through dialogues based on everyday experiences. Grammar is gradually introduced so that by the end of the year, students should be able to read and write basic French.
- 502 FRENCH II** (Freshmen, Sophomores, Juniors, and Seniors) (1 CREDIT)
Prerequisite: B or better in FRENCH I
Besides the increased proficiency in conversational skills it affords, the French II course implements the command of the French language by introduction of the different verb tenses and grammatical structures that have made French the international language. The course also offers information about the culture and the people of France and other Francophone regions.
- 503 FRENCH III** (Sophomores, Juniors and Seniors) (1 CREDIT)
Prerequisite: B or better in FRENCH II
Students in the French III course expand their vocabulary and knowledge of French speaking countries from cultural readings and excerpts from classic French Literature. There is a continuous review of previous grammatical structures which are built upon to increase fluency and sophistication. There is increased emphasis on speaking and reading French while building cultural and geographical awareness.
- 504 FRENCH IV** (Juniors & Seniors) (1 CREDIT)
Prerequisite: B or better in FRENCH III
Students in French IV continue to expand their cultural awareness and reading skills by reading excerpts from classic French literature. Writing skills are also emphasized as increasingly sophisticated grammatical structures are introduced. Speaking and listening are other language domains that are enhanced in French IV as well.
- 505A FRENCH V** (Seniors) (1CREDIT)
Prerequisite - B or better in FRENCH IV and instructor's recommendation
As a continuation of French IV, students will continue to perfect their listening, speaking, reading, and writing skills and build upon grammar learned from previous French courses. A main focus of French V will be the cultural history of France, as well as literature of famous French writers. *Bienvenue et venez nombreux!*
- 506 SPANISH I** (Freshmen, Sophomores, Juniors, and Seniors) (1 CREDIT)
In Spanish I, the student is introduced to the language through listening, speaking, reading, and writing skills. An adequate vocabulary and a command of the present tense will be achieved. Through cultural readings and media, the student will learn about the Hispanic culture and why it is important to study Spanish. Students will be assessed on active class participation, presentations, homework, class work, quizzes and exams.
- 507 SPANISH II** (Freshmen, Sophomores, Juniors, and Seniors) (1 CREDIT)
Prerequisite: 'C' or better in SPANISH I and teacher recommendation
Spanish II is an exciting continuation of material learned in Spanish I. Since the Spanish language is more and more common in the United States, there will be much emphasis on grammar, reading, listening and of course...speaking. The course will consist of learning many different tenses including preterit, imperfect, future, conditional, and much more. There will also be cultural readings and discussions to allow students to see what life is like in different Spanish-speaking regions. The students will use the material learned to begin advancing in conversational to utilize their knowledge. In addition, the students will be able to take part in Spanish learning games and to watch movies in Spanish.
- 508 SPANISH III** (Sophomores, Juniors and Seniors) (1 CREDIT)
Prerequisite: Spanish I & II
Spanish III uses an integrated approach to language learning, starting with the introduction of new material, through reinforcement, evaluation and review. The communicative presentations, exercise, and activities are designed to employ all four language skills. Students use these new skills while developing a realistic up-to-date awareness of Culture from many Spanish-speaking countries. Some of the featured benefits of this program include: Student-centered instruction, Balanced presentation of all four language skills, Contextualized vocabulary, Contextual presentation of grammar, Integrated approach to culture. This course intensely reviews the grammar from levels I-II. It provides an introduction to literature, and it surveys culture and art, and music Students who have completed this course have been successful in gaining university CLEP credits.
- 509 SPANISH IV** (Juniors and Seniors) (1 CREDIT)
Prerequisite: Spanish I, II & III
Dual Enrollment opportunity with Westmoreland County Community college Credits in the fall-4 credits. Spanish IV uses an integrated approach to language learning, starting with the introduction of new material, through reinforcement, evaluation and review.

The communicative presentations, exercise, and activities are designed to employ all four language skills. Students use these new skills while developing a realistic up-to-date awareness of Spanish Culture. Students will have the opportunity to play games, complete art projects, watch movies in Spanish with guided instruction.

This course intensely reviews grammar. It provides an in-depth introduction to literature, culture and art, and provides a smooth transition to the Level V Advanced Placement Course. For a nominal fee. The final grade given for Spanish IV, will be the grade on the transcript from WESTMORELAND COUNTY COMMUNITY COLLEGE Students may choose not to the accept credits.

510 A.P. SPANISH V (Juniors and Seniors) (1 CREDIT)

Prerequisite: Spanish IV

Dual Enrollment opportunity with Westmoreland County community College Credits in the fall -4 credits.

This class will refine skills in Spanish and prepare for the A.P. college-level examination in May. Students will review grammar, write and edit their own compositions, review vocabulary, listen to tapes for comprehension practice, read magazine articles and take practice A.P. exams. For relaxation, we occasionally play Scrabble and Trivial Pursuit (in Spanish, of course!). Class will be conducted mostly in Spanish. Students who successfully complete the May examination can earn up to twelve college credits in Spanish depending on the college of their choice.

512 FOREIGN CULTURES (Freshmen, Sophomores, Juniors, and Seniors) (1 CREDIT)

This is a full year course highlighting the culture, customs, and contributions from countries around the world. This course is conducted in English, however, some exploration of foreign languages may be examined. Student research, films, written assignments, student presentations and class projects will add to class enrichment. Active class participation is required. Students will be assessed on all areas described above.

BUSINESS

609 SOFTWARE APPLICATIONS (Sophomores, Juniors, and Seniors) (1 CREDIT)

Prerequisite: Keyboarding Skills

In this course, students will develop a strong base in the following software programs: Microsoft Word (word processing), Microsoft Excel (spreadsheet), Microsoft Access (database), PowerPoint (presentation), and Adobe InDesign (desktop publishing). As each program is learned, students will be given integrated assignments applicable to real-world and post-secondary education. Students will also be provided with a review of keyboarding skills.

612 ACCOUNTING I (Sophomores, Juniors, and Seniors) (1 CREDIT)

Accounting is the study of how to plan, record, analyze, and interpret financial information. This first-year accounting course will give you a thorough background in the basic accounting procedures used to operate a proprietorship and corporation. This includes analyzing transactions, journalizing, posting, cash control, worksheets and financial statements, purchases and sales transactions, and payroll accounting including checking accounts and taxes. This class is not only a NAF requirement but also is an excellent elective for those who plan to attend college. The course also uses Automated 8.0 computer software and the class includes "real-life" accounting business simulations.

613 ACCOUNTING II (Juniors and Seniors) (1 CREDIT)

Prerequisite: Final grade of a "C" in Accounting I

The advanced course in accounting expands on topics learned in the first-year accounting course and will use Automated 8.0 computer software as well. Topics include accounting for uncollectible accounts, plant assets and depreciation, inventory, notes and interest, and end-of-fiscal period work for corporations. Accounting II also includes partnership accounting. An automated simulation will be used to gain practical accounting experience as well.

616 DESKTOP PUBLISHING/NEWSPAPER PRODUCTION (Sophomores, Juniors, Seniors) (1 CREDIT)

PREREQUISITES: Keyboarding skills, an 'A-B' average in English, a review of past attendance record AND INSTRUCTOR'S APPROVAL PRIOR TO SCHEDULING.

Students will become skilled in the use of Desktop publishing software and will apply what they learn to publish the Laurel Highlites (school newspaper) and the Laurel Highlitter (district newsletter). Students will be involved in all aspects of newspaper production including writing, editing, and proofreading articles, page layout and design, selling advertising space, record keeping, billing, and distribution. Included in the course will be instruction on working with equipment such as a scanner, digital camera, and the Internet. Grades will be based on the ability to meet deadlines, cooperate with other staff members, and work as a team to complete each newspaper and newsletter. After school work to meet deadlines is possible. Consistent attendance is mandatory.

617 PUBLICATIONS (Sophomores, Juniors, and Seniors) (1 CREDIT)

Publications incorporates the mechanics of producing the school yearbook, *The Highlander*.

Working on the Yearbook is a super activity and an invaluable learning experience. Using Adobe Photoshop CS software and software provided by the yearbook publisher, the yearbook staff is responsible for sales, marketing, advertising, theme planning, page layout, photography, copy deadlines, and many other work-related skills. The overall success of the yearbook depends on total cooperation of

the staff and the ability to work together toward a common goal. Students must have excellent school attendance along with good grades, especially in English.

618 DIGITAL PHOTOGRAPHY (Freshmen, Sophomores, Juniors, and Seniors) (0.5 CREDIT)

Digital Photography is an introduction to the concepts, design principles, materials and techniques of photography. Students will learn how to take better pictures through the basics of camera operation and photographic composition. A variety of photographic subjects will be explored. The emphasis of the course will be creating and manipulating photographic images using software such as Adobe Photoshop. Students must have their own Digital Camera to use for the class.

619 KEYBOARDING (Freshmen, Sophomores, Juniors, and Seniors) (1.0 CREDIT)

Students will review the alphabetic keys and learn the number and symbol keys. Also, students will review rules of punctuation, capitalization, formatting, spelling, and other principles that will enable them to produce "mailable" documents. Additional lessons will provide students with word processing, spreadsheet and database concepts and applications needed to develop a strong base toward computer literacy.

620 COLLEGE AND CAREERS (Juniors and Seniors) (0.5 CREDIT)

College and Careers will prepare students to transition from dependent to independent living after high school. Students will focus on three tiers: Employability Skills, College/Workforce Entry Preparation, and Personal Finance. College and Career Development will prepare students for the diverse and ever-changing 21st Century.

650 INTRODUCTION TO FINANCE (Sophomores) (1 CREDIT)

This year long course introduces the student to finance concepts needed to succeed in various financial careers. The course is taught using a 'hands-on' approach. Concepts are presented using activities and group exploration. Financial services such as banking, budgets, the world of business, types of businesses, credit, accounting, entrepreneurship, insurance, and economics will be covered. Classroom presentations from academy business partners and projects will enhance the topics covered. Students will also receive Strategies for Success topics to prepare them for college and the job market. Students may be required to attend social gatherings sponsored by academy business partners after school. Relevant field trips will provide an opportunity to experience their acquired knowledge. Consistent attendance is mandatory.

651 BANKING, CREDIT, AND FINANCIAL PLANNING (Juniors and Seniors) (1 CREDIT)

This course is for students enrolled in the National Academy of Finance or those interested in the class as an elective. Topics will include the importance and features of banks, history of U.S. banking, types of banks, including commercial and thrift banks, the impact of technology on banking, the Federal Reserve System and monetary policy, retail daily banking operations, and careers in the banking field. The Financial Planning segment of the course will cover life stages and financial goals, creating budgets, saving and borrowing for college, choosing the right credit card, consumer credit rights, insurance (life, auto, property, health, and disability), investment choices such as bonds, stocks, mutual funds, renting versus owning a home, and retirement and estate planning. Speakers and field trips will supplement the content material. Upon completion of this class, students with the required grade average will be eligible for a six-week paid summer internship with a local Academy business partner. Consistent attendance is mandatory.

652 SECURITIES/INSURANCE (Seniors) (1 CREDIT)

This course consists of two semester classes that will introduce students to the basics of Securities and Insurance. It will also cover many topics that would be included in an Intro to Business class on a college level. The first semester will deal with Securities Overview, Sales, Research, Operations and math behind the market. Students will follow key stocks throughout the year and play the stock market game. The second semester will cover Insurance Sales and Marketing, Insurance in the Business World, Insurance Lines and Products, and Careers in Insurance. There will be guest speakers to share information about both industries.

660 INTRODUCTION TO HOSPITALITY AND TOURISM (Sophomores - AH&T students only) (1 CREDIT)

PREREQUISITES: 2.0 GPA and true Sophomore standing

This course will acquaint the students with aspects of the travel industry, including travel destinations, industry sectors, and career explorations. Students will also receive 'Strategies for Success' to prepare them for college and the job market, to develop their interpersonal skills, and to guide them in their career development. Relevant field trips will provide unique opportunities for students to experience hands-on learning and use their acquired business skills. Consistent attendance is mandatory as many lessons cannot be repeated or retaught.

662 SPORTS, EVENTS, AND ENTERTAINMENT MARKETING (Juniors-AH&T students only) (1 CREDIT)

PREREQUISITE: A 75% or better in Introduction to Hospitality and Tourism

Marketing skills applicable to real-world situations will be presented with an emphasis on sports, events and entertainment planning. Students will gain hands-on experience in event planning and facility and event management. Hospitality Systems will provide an overview of the infrastructure of the hospitality industry including and in-depth study of departments and related careers within the lodging industry. 'Strategies for Success' concepts will include resume writing, interview skills, and soft skills. Students will be

required to participate in a formal interview for their internship program. Enrichment will be provided through relevant field trips and guest speakers. Consistent attendance is mandatory as many lessons cannot be repeated or retaught.

663 RESORTS MANAGEMENT AND OPERATION (Seniors - AH&T students only) (1 CREDIT)

PREREQUISITES: A 75% or better in Introduction to Hospitality and Tourism and Sports, Events, and Entertainment Marketing.

This course will explore resort management and operation based on three areas: The first area focuses on the relationship between the natural resource base and the recreational facilities developed from that base. The second area explores the features unique to a resort as compared to a traditional hotel. The third area focuses on guest activity programming. Students will be required to write essays based on research and information in the text, to work in groups, and to complete individual and group projects throughout the year. Enrichment will be provided through relevant field trips and guest speakers. Consistent attendance is mandatory as many lessons cannot be repeated or retaught.

907 FRESHMAN SEMINAR (Freshmen) (0.5 CREDIT)

Freshman Seminar is a required course for all ninth grade students. It is designed to assist students in making the academic and social adjustment to high school. In-depth lessons use a variety of both innovative and traditional techniques: mid and long-range projects, cooperative learning activities, journal writing and computer applications. Students also practice note-taking, time management, study skills, banking, personal finance, social and human relations skills needed for their academic future.

AIR FORCE JROTC

AFJROTC is a 3- or 4-year program offered in grades 9-12. Students (cadets) receive elective credit toward high school graduation by successfully completing Air Force Junior Reserve Officer Training Corps (AFJROTC) classes. Cadets are introduced to the Air Force organizational structure; uniform wear; military customs and courtesies; flag etiquette; citizenship in the United States; basic drill and ceremonies; and effective communications. They also learn to listen and think critically, assume leadership roles in the cadet corps, and prepare for future leadership roles. There is no military obligation for taking AFJROTC.

The syllabus for each class includes a blend of 40% Aerospace Science (AS), 40% Leadership Education (LE) and 20% Wellness Instruction.

- Aerospace Science includes subjects such as history of aviation, science of flight, space exploration. Survival and management will be offered starting in school year 2012-2013.
- Leadership Education offers cadets opportunities to shape their character. Cadets learn about character development and elements of good citizenship are instilled.
- Wellness instruction includes physical training and fitness instruction; first aid; health and wellness; individual self-control, and how to build personal awareness.

AFJROTC also offers extracurricular activity such as opportunities to be members of a Drill Team, Color Guard, Rifle Marksmanship Team, Junior Air Commando Physical Fitness Team, etc. Through the course of serving on these teams and in learning to march in military formations in the drill instruction portion of the LE series, cadets get to demonstrate their skill and pride at public events such as the presentation of the US flag at school sporting events, marching in parades in their communities, performing at formal military events, demonstrating proper etiquette at formal dining socials, etc. The cumulative impact of exposure to this curriculum and training is seen in feedback AFJROTC consistently receives from parents, teachers, and principals-that their students benefit tremendously from the program. Statistics show that AFJROTC students stay in school longer, have a higher graduation rate, are better behaved and contribute more to the community.

Students may start AFJROTC at any grade level, however, they must take the academic courses in order starting with AFJROTC I.

SUMMER BETWEEN GRADE 8 AND GRADE 9 – (OPTIONAL)

Summer Leadership I - A one-week Summer Leadership School (SLS) is available for 8th grade students interested in enrolling in AFJROTC.

Summer Leadership II - a 3-day New Cadet Orientation followed by an optional 2-day Drill Camp is available prior to the start of the academic year.

GRADE 9 (OR FIRST YEAR CADET) –

AFJROTC I - Leadership I/Aviation History/Wellness*

(Optional) Summer Leadership I and/or II*

GRADE 10 (OR SECOND YEAR CADET) -

AFJROTC II - Leadership II/ Science of Flight/Wellness*

(Optional) Summer Leadership I and/or II*

GRADE 11 (OR THIRD YEAR CADET) -

AFJROTC III - Leadership III/ Exploration of Space/Wellness*

(Optional) Summer Leadership I and/or II*

GRADE 12 (OR FOURTH YEAR CADET) -

AFJROTC IV - Leadership IV/ Management of the Cadet Corps (Honors Course) and Survival/Wellness*

“**” Indicates courses available for Dual College Credit through Adams State College or the University of Colorado, Colorado Springs. See the Senior Aviation Science Instructor for details.

680 AFJROTC I: LEADERSHIP EDUCATION I/AVIATION HISTORY/WELLNESS

(1 CREDIT)

(Mandatory for first year cadets, open to all grades)

This is the first AFJROTC course for all new cadets. It introduces cadets to the AFJROTC program providing a basis for progression through the rest of the AFJROTC program while instilling elements of good citizenship. It contains sections on cadet and Air Force organizational structure; uniform wear; customs, courtesies, and other military traditions; health and wellness; fitness; individual self-control; and citizenship. It also contains sections on aviation history that focuses on the development of flight throughout the centuries. It starts with ancient civilizations and progresses through time to modern day. The emphasis is on civilian and military contributions to aviation; the development, modernization, and transformation of the Air Force; and a brief astronomical and space exploration history. It is interspersed with concise overviews of the principles of flight including basic aeronautics, aircraft motion and control, flight power, and rockets. There are readings, videos, hands-on activities, and in-text and student workbook exercises to reinforce course objectives. Also blended into this course is a Wellness component. Wellness is an official part of the Air Force Junior ROTC program. It is an exercise program focused upon individual base line improvements with the goal of achieving a national standard as calculated with age and gender. The Presidential Physical Fitness Program is also used. Wellness is instrumental in developing citizens of character dedicated to serving our nation and communities. The program is provided as a tool to help develop individualized training programs for the cadets.

681 AFJROTC II: LEADERSHIP EDUCATION II/THE SCIENCE OF FLIGHT/WELLNESS

(1 CREDIT)

(second year cadets, open to sophomore, junior, senior)

Prerequisite: Must have successfully completed AFJROTC I (Course 680) and received SASI recommendation

Leadership Education II stresses communications skills and cadet corps activities. Much information is provided on communicating effectively, understanding groups and teams, preparing for leadership, solving conflicts and problems, and personal development. Written reports and speeches compliment the academic materials. Cadet corps activities include holding positions of greater responsibility in the planning and execution of corps projects. LEII is blended with an Aviation Science course, *The Science of Flight*, designed to acquaint the cadet with the aerospace environment, the human requirements of flight, principles of aircraft flight, and principles of navigation. The course begins with a discussion of the atmosphere and weather. After developing an understanding of the environment, how that environment affects flight is introduced. Discussions include the forces of lift, drag, thrust, and weight. Cadets also learn basic navigation including map reading, course plotting, and the effects of wind. The portion on the Human Requirements of Flight is a survey course on human physiology. Discussed here are the human circulatory system, the effects of acceleration and deceleration, and protective equipment. Also blended into this course is a Wellness component. Wellness is an official part of the Air Force Junior ROTC program. It is an exercise program focused upon individual base line improvements with the goal of achieving a national standard as calculated with age and gender. The Presidential Physical Fitness Program is also used. Wellness is instrumental in developing citizens of character dedicated to serving our nation and communities. The program is provided as a tool to help develop individualized training programs for the cadets.

682 AFJROTC III: LEADERSHIP EDUCATION III / EXPLORING SPACE / WELLNESS

(1 CREDIT)

Prerequisite: Must have successfully completed AFJROTC II (Course 681) and received SASI recommendation

Leadership Education III will be helpful to students deciding which path to take after high school. Available also is information about financial planning and how to save, invest, and spend money wisely, as well as how not to get caught in the credit trap. Students are informed about real life issues such as understanding contracts, leases, wills, warranties, legal notices, and personal bills. Citizen responsibilities such as registering to vote, jury duty, and draft registration will be helpful to. If there are students who are interested in a career in the military, with the federal government, or an aerospace career, information is also provided for them. LE III is blended with an Aviation Science course, *Exploring Space, The High Frontier*. This is a science course that includes the latest information available in space science and space exploration. The course begins with the study of the space environment from the earliest days of interest in astronomy and early ideas of the heavens, through the Renaissance, and on into modern astronomy. It discusses issues critical to travel in the upper atmosphere such as orbits and trajectories unmanned satellites, and space probes. It investigates the importance of entering space and discusses manned and unmanned space flights. The section on manned spaceflight focuses on the Space Shuttle, space stations and beyond. Also blended into this course is a Wellness component. Wellness is an official part of the Air Force Junior ROTC program. It is an exercise program focused upon individual base line improvements with the goal of achieving a national standard as calculated with age and gender. The Presidential Physical Fitness Program is also used. Wellness is instrumental in developing citizens of character dedicated to serving our nation and communities. The program is provided as a tool to help develop individualized training programs for the cadets.

AFJROTC SUMMER LEADERSHIP COURSES

687 AFJROTC SUMMER LEADERSHIP I: New Cadet Summer Orientation and Staff Training. (Grades 9-12) (0 CREDIT)

This week-long, optional course (8 a.m. to 3 pm daily) is designed to orient new cadets (1st year cadets) with AFJROTC and teach the incoming cadet corps commanders and staff (second through fourth year cadets) their upcoming responsibilities. It will start approximately 3 weeks before the first day of school and meet at the High School. Transportation to and from the school is the responsibility of the cadet. The focus of instruction will be on the applicable level of leadership education, drill, and physical training as determined by the number of years the cadet has been in AFJROTC.

First year cadets will start with administrative functions such as uniform sizing, cadet personal information, and course administration. They will be taught the basics of uniform wear, proper military customs and courtesies, drill, AF organizational structures, teamwork, marksmanship orientation, and physical training.

Upper-class cadets will be introduced to the responsibilities of their command or staff positions and fine tune their leadership skills by aiding in the instruction of the first year cadets. They will also improve their basic military skills and build confidence while participating in and leading teamwork building events and physical training.

688 AFJROTC SUMMER LEADERSHIP II: Summer Leadership School (Open to rising Freshmen, sophomores, juniors, and seniors) (Grades 9-12) (0 CREDIT)

Summer Leadership School (SLS) is a week long, optional program that enhances citizenship and leadership principles for AFJROTC cadets in a structured and safe environment. It will be conducted as a multi-overnight, chaperoned, off-campus trip. Transportation will be provided and student fees may be required. The SLS mission is to prepare cadets for leadership roles in their units, schools, and local communities. SLS activities typically emphasize leadership, team building, citizenship, character, respect, academic achievement, physical fitness, and service to others. SLS locations vary by year but normally include, private summer camps, Camp Outdoor Odyssey, military installations or college campuses will be utilized. Activities will run approximately 15 hours per day and certified camp counselors or other JROTC instructors may be utilized. The course will be on the tenets of Wellness, Fitness, CPR and First Aid, Leadership and Character Development, Respect and Military Tradition, Community Service and Civic Involvement.

TECHNOLOGY EDUCATION

670 INTRO TO INFORMATION TECH/ COMPUTER HARDWARE TECH (Sophomores - NAF) (1 CREDIT)

Prerequisite: none

In the Intro to IT/Strategies for Success course, students are presented with the basic concepts of Information Technology, including various career paths as well as the impact of Information Technology on the world, people and industry. . Students will gain a solid foundation in computing skills and have the opportunity to achieve IC3 certification at the successful completion of the course. The Computer Hardware and Technology segment of the class prepares students for entry-level PC repair and support. The students will also acquire the necessary knowledge needed to complete the A+ certification exam. Covered in this course topics that detail how computers work and advanced computer concepts. Class lessons will be accomplished by theoretical exploration and hands-on lab activities. Topics to be covered are: operating systems, PC hardware, troubleshooting, Microsoft Windows, system boards, input/output devices, video displays, printers, data communications, multimedia systems, and preventive maintenance. The computer applications and IC3 segment of the course covers computing fundamentals, presentations, word processing spreadsheets, e-mail, browsers, and desktop publishing. Consistent attendance is mandatory

701 DIGITAL COMMUNICATONS (Freshmen, Sophomores, Juniors and Seniors) (1 CREDIT)

Prerequisite: none

The Digital Communications course is designed to give students experience in communicating through graphical and electronic means. Society is bombarded and impacted daily by graphical images through television, magazines, newspapers, billboards, advertisements, etc. Today, more people communicate electronically than any other medium using electronic graphics in the form of video and stills. We will explore several methods of creating quality digital communications in this class which include photographs, printed materials such as informational flyers, advertisements, posters, packaging, etc, and electronic presentations such as PowerPoint and digital video. We will learn to use electronic equipment such as digital cameras, image scanners and printers. We will also learn to use electronic graphical software's such as PowerPoint, InDesign, Publisher, and Photoshop.

702 VIDEO PRODUCTION (Sophomores, Juniors and Senior) (1 CREDIT)

Prerequisite: DIGITAL COMMUNICATONS I

The Introduction to Basic Video Production course introduces students to multi-camera digital video production. Students will learn basic camera operation and principles of studio-based live-switched productions. Basic lighting procedures and fundamental editing, scripting and storyboarding will be presented. The students will also learn basic video editing using Adobe Premier or similar video editing software. The history and advancements of television and video cameras will also be covered to give the student an in-depth knowledge of the advancement of the video production profession. Media students with an interest in live television, news, and sports will find this course useful.

- 703 VIDEO PRODUCTION II** (Seniors) (1 CREDIT)
Prerequisite: VIDEO PRODUCTION I & Digital Communications I
 The Video Production II course further advances students ability to use multi-camera digital video productions. Students will continue to develop camera operation and principles of studio-based live-switched productions. Lighting procedures and fundamental editing, scripting and storyboarding will be utilized. The students will also advance their ability to edit video using Adobe Premier Pro Production Suite software or similar video editing software. The students will be required to attend a predetermined percentage of school function to record the event and return to the class room and edit the video to a final production to be burned to a DVD for school archives and personal portfolio. Media students with an interest in live television, news, and sports will find this course useful.
- 704 PRINCIPLES OF ENGINEERING** (Sophomores, Juniors, and Seniors) (1 CREDIT)
Prerequisite: Intro to Engineering
 This survey course of engineering exposes students to major concepts they'll encounter in a postsecondary engineering course of study. Students employ engineering and scientific concepts in the solution of engineering design problems. They develop problem-solving skills and apply their knowledge of research and design to create solutions to various challenges, documenting their work and communicating solutions to peers and members of the professional community
- 705 ENGINEERING DESIGN** (Juniors, and Seniors) (1 CREDIT)
Prerequisite: Principles of Engineering
 This is an engineering research course in which students will work in teams to research, design, test and construct a solution to an open-ended engineering problem. The product development life cycle and a design process are used to guide and help the team to reach a solution to the problem. The team presents and defends their solution to a panel of outside reviewers at the conclusion of the course. The EDD course allows students to apply all the skills and knowledge learned in previous courses. The use of 3D design software helps students design solutions to the problem their team has chosen. This course also engages students in time management and teamwork skills, a valuable set for students in the future. This course is designed for 12th grade students.
- 706 CIVIL ENGINEERING AND ARCHITECTURE** (Sophomores, Juniors, and Seniors) (1 CREDIT)
Prerequisite: Intro to Engineering
 Students apply what they learn about various aspects of civil engineering and architecture to the design and development of a property. Working in teams, students explore hands-on activities and projects to learn the characteristics of civil engineering and architecture. In addition, students use 3D design software to help them design solutions to solve major course projects. Students learn about documenting their project, solving problems and communicating their solutions to their peers and members of the professional community of civil engineering and architecture. This course is designed for 11th or 12th grade students.
- 708 DIGITAL COMMUNICATONS II** (Sophomores, Juniors and Seniors) (1 CREDIT)
Prerequisite: DIGITAL COMMUNICATONS I
 The Digital Communications II course is designed to give students an advanced experience in communicating through graphical and electronic means. This class will advance the students skills in Adobe Photoshop. Today, more people communicate electronically than any other medium using electronic graphics so the students will have an extended concentration in Web Design using Adobe Dreamweaver. *Web Design* is a hands-on introduction to designing, building, and launching websites. The students will also learn industry standard layout designs through the use of Adobe InDesign software.
- 709 INDUSTRIAL MATERIALS I** (Freshmen, Sophomores, Juniors and Seniors) (1 CREDIT)
Prerequisite: none
 This is an introductory course with emphasis on the use of basic hand tools in relation to exploring wood, metal and plastic as used in industry.
- 710 INDUSTRIAL MATERIALS II** (Sophomores, Juniors and Seniors) (1 CREDIT)
Prerequisite: INDUSTRIAL MATERIALS I
 Industrial Materials II will be a course exploring wood, metal, plastic and any other material used in industry. The program will begin with a review of basic hand tools, project design, materials that can be used in the program, and shop safety. Students will be encouraged to work in all areas of the shop to develop an interest and gain knowledge in the many areas available.
- 712 INTRODUCTION TO MANUFACTURING SYSTEMS IMS** (Fr., Soph., Jr. and Sr.) (1 CREDIT)
Prerequisite: INDUSTRIAL MATERIALS I
 Students enrolled in Introduction to Manufacturing Systems (I.M.S.) will gain first-hand knowledge of manufacturing fundamentals. This course will focus on the basic processes that are used to build many of today's products. Students will also be exposed to real world manufacturing scenarios when they actually form their own company and build a product for sale.

713 ADVANCED MANUFACTURING ENTERPRISE (Sophomores, Juniors and Seniors) (1 CREDIT)

Prerequisite: INTRODUCTION TO MANUFACTURING SYSTEMS IMS

Students enrolled in the Advanced Manufacturing Enterprise course will explore the exciting world of manufacturing. Each student will design, develop and build prototype products to be mass produced and marketed. Students will explore all aspects of product manufacturing on a class designed and operated assembly line. Each student will gain valuable knowledge of many career opportunities related to a manufacturing enterprise.

717 INTRODUCTION TO ENGINEERING/CAD (Sophomores, Juniors and Seniors) (1 CREDIT)

Prerequisite: none

Designed for 9th or 10th grade students, the major focus of the IED course is to expose students to the design process, research and analysis, teamwork, communication methods, global and human impacts, engineering standards and technical documentation. Students use 3D solid modeling design software to help them design solutions to solve proposed problems and learn how to document their work and communicate solutions to peers and members of the professional community.

722 INTRODUCTION TO NATURAL GAS (Sophomores, Juniors, and Seniors) (1 CREDIT)

Prerequisite: none

This course has been developed to provide students a better understanding of natural gas production and career opportunities directly related to the field. Students will globally explore the wide range of jobs with an emphasis on local opportunities. Students will learn to identify procedures / processes basic to producing, transporting, and distributing natural gas as well as introductory pipeline construction safety. Each student who completes this course will have an early exposure to the necessary skills and preparation needed for the adult learning program: Certified Natural Gas Facility Operations Construction and Maintenance Technician. This course will also offer units on other energy sources and career exploration.

FAMILY AND CONSUMER SCIENCES

801 FAMILY AND CONSUMER SCIENCES (Freshman, Sophomores, Juniors, and Seniors) (1 CREDIT)

This course is designed to help students meet the challenges of daily life with confidence. Basic information and practical skills will be related to topics such as: their role as a consumer, money management, clothing and textiles, housing needs and options, and transportation. This course provides an excellent opportunity to prepare students to become an independent adult. Nominal costs may be incurred by the student for in-class projects.

802 NUTRITION (Freshman, Sophomores, Juniors, and Seniors) (1 CREDIT)

Nutrition includes the study of nutrition, food management, and preparation with emphasis on food safety and sanitation. The course stresses the importance of making healthful life choices to achieve overall wellness. Career opportunities in foods and nutrition and current developments in food technology are included in the course of study.

805 HUMAN DEVELOPMENT I (Sophomores, Juniors, and Seniors) (1 CREDIT)

Human Development I addresses the development of individuals and families throughout the life cycle. One semester of the course focuses on Child Development theories, principles, and practices, including prenatal development, preparation for birth, the birth process, and the physical, intellectual, social and emotional growth and development of infants. The other semester will focus on Family Studies including theories, principles, practices, roles, responsibilities, and functions of families and family members. This course is appropriate for any student, but is recommended for students with an interest in human services, education, or health care professions.

806 HUMAN DEVELOPMENT II (Juniors and Seniors) (1 CREDIT)

Prerequisite: Completion of Human Development I with a grade of C or better. One semester of the course focuses on Child Development addressing the knowledge, skills, attitudes, and behaviors essential to promoting the healthy physical, mental, and social-emotional development of toddlers, preschoolers, and school-age children. The other semester will concentrate on components of Family Studies to include healthy relationships, communication styles, intergenerational relationship, human services agencies and other family issues. This course is recommended for students with career interests in human services, education, or health care professions.

807 INTRODUCTION TO HEALTH CAREERS(Sophomores, Juniors, and Seniors) (1 CREDIT)

This course introduces the student to health career exploration, key terminology, history of health care, qualities for success in healthcare, and health career preparation. Students receive an overview of a variety of health care careers as well as job responsibilities, educational requirements, job opportunities, and the employment outlook for their chosen career field.

MUSIC

810 CHORALE CHOIR (Freshmen, Sophomores, Juniors, and Seniors) (1 CREDIT)

810A CHORALE CHOIR (Freshmen, Sophomores, Juniors, and Seniors) (0.5 CREDIT)

With teacher recommendation and principal approval, this class can be repeated for credit.

Open to all students. Previous knowledge of choral participation is not necessary. Students will learn the basics of choral music and

proper vocal production and concentrate on the development of the changing voice. Reading musical notation, increased accuracy with sight-reading, 3-4 part harmony, blending and balancing vocal tone, and other techniques will be developed in this class. Students will prepare music to perform at a Winter and Spring Concert. Music will include Christmas, Sacred, Popular, and Classical vocal music. Participation in rehearsals and concerts is mandatory.

811 MUSIC THEORY & TECHNOLOGY (Freshmen, Sophomores, Juniors and Seniors) (1 CREDIT)

This course studies the elements of music and how music is composed. Students will learn pitch, rhythm, chord and interval structure, major/minor keys, modes and meters. Students will learn how to read music notation in treble and bass clef, key signatures and how to build and analyze chords in root position and inversions. The class concludes with a written final and arranging/composition project that is completed using music notation software as well as other forms of music technology.

812 CHAMBER CHOIR (Sophomores, Juniors, and Seniors) (1 CREDIT)

Pre-requisite: Audition

****With teacher recommendation and principal approval, this class can be repeated for credit.****

This choir is based on a selection of sopranos, altos, tenors, and basses for a balanced choral sound. It is preferred that the member has had choir so that the musical education process can be continued with advanced choral literature. Choral members should be able to read music, sight read, and blend with the others in the choir. The purpose of this choir is to perform more difficult music literature. The group will sing a variety of styles in a variety of languages. Students will prepare music to perform at a Winter and Spring Concert and/or Music In Our Schools Concert. Participation in rehearsals and concerts is mandatory.

814 THEATRE (Freshmen, Sophomores, Juniors, and Seniors) (1 CREDIT)

****With teacher recommendation and principal approval, this class can be repeated for credit.****

This course is open to all students who are interested in learning the basics of acting and exercising creative ideas. Using a variety of games and techniques, you will learn the foundational principals of blocking, staging, memory, use of props and sets, and getting over stage fright. Skills and techniques are exercised by performing regularly in class monologues, scenes, commercials, and music videos. Participation in rehearsals and performances is mandatory.

816 ADVANCED THEATRE (Juniors, and Seniors) (1 CREDIT)

****This class can be repeated for credit with instructor and principal approval.**** Prerequisite: Audition and Theatre I

This class will build upon the basic principles taught in Theatre I and focus on advanced techniques. Students will be responsible for having a working knowledge on all of the technical equipment in the theatre. Performances plus directing will be a part of the course work. Each student will participate in script writing, scene design, and direct/cast their own works plus assemble props and costumes. Participation in rehearsals and performances is mandatory.

821 SYMPHONIC BAND (Freshmen, Sophomores, Juniors, Seniors) (1 CREDIT)

821A SYMPHONIC BAND (Freshmen, Sophomores, Juniors, Seniors) (3 days/week) (0.5 CREDIT)

****This class can be repeated for credit with instructor and principal approval.****

Student will be considered for Symphonic Band with instructor and principal approval, based upon participation and attendance in middle school band, marching band and other performing groups at Laurel Highlands. This course is for wind instruments only. Percussion students need to schedule PERCUSSION ENSEMBLE. Students will be required to auditions for chair placements once the school year begins and after winter break. Students enrolled in Symphonic Band will perform high school level wind band music. Students will be exposed to a variety of genres and styles, where the musical difficulty will range from medium to difficult. The Symphonic Band will usually have at least one dress rehearsal before each concert and at least two evening concerts during the school year. ALL rehearsals and performances count as graded assignments. ****This class can be repeated for credit with instructor and principal approval.****

823 PERCUSSION ENSEMBLE (Freshmen, Sophomores, Juniors, Seniors) (1 CREDIT)

823A PERCUSSION ENSEMBLE (Freshmen, Sophomores, Juniors, Seniors) (3 days/week) (0.5 CREDIT)

****This class can be repeated for credit with instructor and principal approval.****

This course is for percussionists 9-12 only. All wind instruments need to schedule SYMPHONIC BAND. Students will learn the wind band concert music the Symphonic Band is studying, percussion rudiments and techniques. In addition, students will learn a variety of percussion ensemble music that will be performed during the winter and spring concerts.

824 JAZZ ENSEMBLE (Sophomores, Juniors, Seniors) (1 CREDIT)

824A JAZZ ENSEMBLE (Sophomores, Juniors, Seniors) (3 days/week) (0.5CREDIT)

Pre-requisite: Audition ****This class can be repeated for credit with instructor and principal approval.****

This class is open to students in Grades 10-12 who are interested in a more focused approach to the study of jazz, rock, blues and fusion. Students should have advanced abilities on their instrument and will be asked to audition to gain entrance into the class. Only students who play saxophone, trumpet, trombone, guitar, piano, bass or drum set will be admitted into this class. Students playing other band instruments are to take Symphonic Band. The band will study scales and chords for improvisation, in addition to the performance repertoire. The Jazz Ensemble performs at many school and community functions throughout the year. All rehearsals

and performances are both mandatory and are graded. **This class can be repeated for credit with instructor and principal approval.

825 INTRO TO GUITAR (Freshmen, Sophomores, Juniors, and Seniors) (0.5 CREDIT)
This semester class is designed for the student who has no prior guitar training. **Students must provide their own acoustic guitar.** Students will learn the parts of the guitar, basic tuning, chords, plucking melodies, and picking techniques. The student will also learn music notation. All rehearsals and performances are graded.

827 AP MUSIC THEORY (Juniors and Seniors) (1 CREDIT)
Pre-requisite: MUSIC THEORY & TECHNOLOGY and/or INSTRUCTOR APPROVAL
This course focuses on more advanced concepts in music theory carried over from Music Theory & Technology I. Students will learn more advanced concepts about pitch, rhythm, chord and interval structure, major/minor keys, modes and meters. In addition students will learn about cadences, secondary dominants, augmented and diminished chords, roman numeral analysis and form. Students will also learn sigh-singing techniques through the use of solfege and will learn to dictate simple rhythms and melodies. The class concludes with a written final and arranging/composition project that is completed using music notation software as well as other forms of music technology.

829 MARCHING BAND (Freshmen, Sophomores, Juniors and Seniors) (0 CREDIT)
Marching Band is the largest performing ensemble at the high school. The Marching Band consists of wind instruments, marching percussion, majorettes, color guard and band managers. Marching Band rehearsals are every Tuesday & Thursday during the fall from 2:45PM – 5:00PM. Marching Band also has rehearsals during the summer with the major camp at the end of July and the beginning of August. Band Camp is required for all members to join. This ensemble performs at all home and away football games, parades, festivals, Kennywood and a variety of other places. The Marching Band has a major trip every year in the spring.

SPECIAL NOTICE TO MARCHING BAND MEMBERS

Students who are instrumentalists in the marching band are required to take at least one band class for the entire school year. You may choose from the symphonic band, percussion ensemble or jazz ensemble. Students not able to schedule band 5 days/week may be scheduled for 3 days only if schedule does not permit the full week class. Schedules will be reviewed before partial credit classes are assigned. Any questions please see Mr. Santore

ART

830 ART I (Freshmen, Sophomores, Juniors, and Seniors) (1 CREDIT)
DRAWING, DRAWING AND MORE DRAWING!! ART I is an entry level course which focuses on basic rendering skills. We will draw still lifes, portraits and landscapes. A sketchbook will be required. Most of the drawing will be from life - meaning that we will be drawing things which we are looking at. One, two and three point perspective will be covered as well as abstract art and art history. Other media that will be explored include painting and printmaking. **This course is a prerequisite for ALL advanced art classes.**

833 ADVANCED MIXED MEDIA (Sophomores, Juniors and Seniors) (1 CREDIT)
Prerequisite: High school level ART I (not-Middle School Art Class)
Basic drawing skills are essential and ART I is a required prerequisite. Advanced mixed media is an advanced art course which will incorporate a wide variety of media. Flexibility is required! We will create drawings, pastels, paintings, block prints, etchings, mosaics and low-relief sculptures. Art history will be incorporated into the lessons. Students will help steer the direction of this course as we move from media to media. Opportunities for independent study will exist within parameters determined by the instructor. All students will be required to keep a personal sketchbook.
This class may be repeated for credit with instructor and principal approval.

834 ADVANCED PAINTING (Sophomores, Juniors, and Seniors) (1 CREDIT)
Prerequisite: High school level ART I (not-Middle School Art Class)
A whole year of painting! Basic drawing skills are essential and ART I is a required prerequisite. Students will keep a sketchbook and prepare drawings for completed paintings. We will explore acrylic, watercolor, gouache and oil painting. Subject matter will include still lifes, landscapes, portraits, self-portraits, figures and abstract images. Students will paint on paper, canvas, and wooden panels of various sizes. Art history will be incorporated into the lessons.
This class may be repeated for credit with instructor and principal approval.

836 ADVANCED SCULPTURE AND CERAMICS (Sophomores, Juniors, and Seniors) (1 CREDIT)
Prerequisite: High school level ART I (not-Middle School Art Class)
Basic drawing skills are essential and ART I is a required prerequisite. We will prepare drawings for both sculptural and ceramic pieces. Art forms covered will include low relief sculpture, 3D modeling, wire sculpture, basic casting and 3D design. Coil built and slab built pottery will be the primary ceramic art forms covered. Students will learn glazing techniques and experience loading and firing a kiln. Materials utilized will be plaster, clay, wire, wood, silicone and other assorted sculpture materials.
This class may be repeated for credit with instructor and principal approval.

REQUIRED COURSES FOR GRADUATION

900 PSSA MATH 12 (Seniors) (This class does not satisfy required math credit.) (0.5 CREDIT)

All students graduating from Laurel Highlands High School must display proficiency on the PSSA Mathematics Assessment administered during their junior year. Students failing to score at the Proficient or Advanced Level will be scheduled for this class and must participate in the PSSA retest in November. Students failing to score at the Proficient Level on the retest must remain in the class and earn a passing grade to meet the graduation requirement. This course reviews the basic mathematics, algebra, and geometry concepts using problems similar to those included on the PSSA test. Specific instructions, assessments, and diagnostics for each standard are addressed.

901 PSSA READING 12 (Seniors) (This class does not satisfy required english credit.) (0.5 CREDIT)

All students graduating from Laurel Highlands High School must display proficiency on the PSSA Reading Assessment administered during their junior year. Students failing to score at the Proficient or Advanced Level will be scheduled for this class and must participate in the PSSA retest in November. Students failing to score at the Proficient Level on the retest must remain in the class and earn a passing grade to meet the graduation requirement.

904 PSSA MATH 11 (Juniors) (This class does not satisfy required math credit.) (0.5 CREDIT)

Grade 11 students failing to score at the Proficient or Advanced Level on their 9th & 10th Grade 4Sight Tests will be scheduled for a PSSA Mathematics remediation class during their Junior year. The course reviews the basic mathematics, algebra, and geometry concepts using problems similar to those included on the PSSA Assessment. Specific instructions, assessments, and diagnostics for each standard are addressed.

906 PSSA READING 11 (Juniors) (This class does not satisfy required english credit.) (0.5 CREDIT)

Grade 11 students failing to score at the Proficient or Advanced Level on their 9th & 10th Grade 4Sight Tests will be scheduled for a PSSA Reading remediation class during their Junior year. The course reviews the basic concepts using problems similar to those included on the PSSA Assessment. Specific instructions, assessments, and diagnostics for each standard are addressed.

DIVERSIFIED CO-OPERATIVE EDUCATION

905 DIVERSIFIED CO-OPERATIVE EDUCATION (Seniors only) (3 CREDITS)

Theory Class required – Supervised work site experience.

Prerequisites: C average or counselor approval; a senior in good standing for graduation; student must have own transportation, a good attendance record is important. (Students with more than fifteen (15) absences during their junior year will not be considered) Student must have a work permit on file. **Registration for this class will not be accepted after the tenth (10th) day of school.**

The student must present a letter to verify employment within the first 10 days of school, if the letter is not presented you will be assigned a regular schedule.

This senior “only” education option combines classroom study with planned and supervised on-the-job training which assists the student in understanding the world of work. Co-operative education provides employers in the community with responsible students who can be trained and skilled to meet the various community needs. Through joint cooperation of the school and the various businesses, a student is supervised in order to provide a more qualified and responsible employee on the job. Classroom theory activities include: communication skills, safety, business math, consumer information, economics, and career and job exploration. Co-op extends the school district’s curriculum and is offered to students who maintain good attendance and academic records. Students must maintain a minimum GPA of 2.0 for the theory class. Students are not permitted to miss more than ten (10) days of school for the year. If the student misses the eleventh (11th) day, he/she will be removed from the program. **If removed from the program, zero (0) credit will be awarded for the elective.**

907 FRESHMAN SEMINAR (Freshmen) (0.5 CREDIT)

Freshman Seminar is a required course for all ninth grade students. It is designed to assist students in making the academic and social adjustment to high school. In-dept lessons use a variety of both innovative and traditional techniques: mid and long-range projects, cooperative learning activities, journal writing and computer applications. Students also practice note-taking, time management, study skills, banking, personal finance, social and human relations skills needed for their academic future.

908 SENIOR GRADUATION PROJECT (0 CREDITS)

To meet graduation requirements, every senior must complete a culminating project in one of the following areas: Career Research, Internship, or Community Service. Project proposals must be submitted by the last day of September, and final projects must be presented by the second Thursday in April. Project presentations must be scheduled with Mr. Sarko by the last day of February. If the student does not schedule a presentation date by the last day of February, a presentation date will be assigned from the remaining available dates.

- 994A EARLY RELEASE I – Period 8 Release** (Seniors) (0 CREDIT)
994B EARLY RELEASE II – Periods 7 and 8 Release (Seniors) (0 CREDIT)
994C EARLY RELEASE III – Periods 6, 7 and 8 Release (Seniors) (0 CREDIT)

This opportunity is designed for Seniors who have met their graduation requirements - no credit is awarded for this elective choice. The intent of this program is to allow students that are participating in dual enrollment, working part-time, helping with a family business, or completing an internship the opportunity to leave school early to begin their work earlier each day. Students participating in athletics are also eligible to leave early if they have met their graduation requirements and are still satisfying the eligibility requirements for the WPIAL. The goal of the district is to provide students involved in activities beyond the school day the opportunity to go home early to complete schoolwork prior to starting their “after-school” activity. If the school day is altered for any reason, students must still make themselves available for their scheduled classes. To accommodate scheduling, this course must be scheduled by July 1st of the summer preceding a student’s senior year. The course will not be added to a student’s schedule after the deadline. **Parents must sign a permission slip and students must provide their own transportation.**

DRIVER’S EDUCATION

- 909 DRIVER’S EDUCATION THEORY** (Sophomores, Juniors, and Seniors) (0.3 CREDIT)
Classroom is essentially 30 hours of classroom instruction and is a prerequisite of Practice Driving. Course will be offered after school and on weekends. Credit will be awarded upon completion of the class.
- 910 DRIVERS BEHIND THE WHEEL** (Sophomores, Juniors, and Seniors) (0 CREDIT)

LEARNING SUPPORT

- 911 MATH** (1 CREDIT)
The basic mathematical areas of addition, subtraction, multiplication, and division are presented in this course. Work with decimals and fractions is also completed according to ability level. Money usage, banking skills, and measurement are also emphasized. The student is provided with instruction applicable to his/her academic achievement.
- 912 GENERAL MATH** (1 CREDIT)
This course covers math used in daily living. Topics will include employment, banking, housing, taxes, shopping and travel.
- 913I ALGEBRA 9** (1 CREDIT)
The first course of beginning Algebra skills includes expressions, equations, integers, powers and exponents, polynomials, factoring, ratios, proportions, percents, inequalities, and an introduction to the coordinate plane. Also, PA State Standards in Algebra and PSSA applications are stressed.
- 915 GENERAL SCIENCE** (1 CREDIT)
Includes basic concepts and principles of science—the scientific method, genetics and matter, among others, that will develop critical thinking skills of application, analysis, synthesis, and evolution.
- 915I BIOLOGY I** (1 CREDIT)
Ninth grade biology is an introduction to the scientific study of living things. Basic biological concepts such as the scientific method, parts of the cell, use of the microscope, the classification system, dissection of small animals, and important men of biology are covered. Environmental awareness will be stressed through identification of common species of plants, animals, protists, monerans, and fungi.
- 916 BASIC BIOLOGY** (1 CREDIT)
Included in this course of life sciences will be classification, animal and human biology, genetic, human reproduction, and evolution.
- 916I ENVIRONMENTAL SCIENCE** (1 CREDIT)
This course presents biology and chemistry in the context of work, home society, and the environment. It uses an applications-oriented approach to teach the concepts of biology and chemistry. It emphasizes problem solving, decision-making, and hands-on learning. Units covered include natural resources, waste and waste management, and synthetic materials.
- 917 EARTH SCIENCE** (1 CREDIT)
Students will discover what the earth is composed of, what forms are present, and how the earth relates to other planets in the universe. Activities include vocabulary development, writing, and career study, which help the students apply the scientific principles to daily life.

917I HUMAN BIOLOGY

(1 CREDIT)

This course presents biology and chemistry in the context of work, home, society and the environment. It uses an applications-oriented approach to teach the concepts of biology and chemistry. It emphasizes problem solving, decision-making, and hands-on learning. Units covered include continuity of life, animal life processes, and disease and wellness.

918 ENVIRONMENTAL STUDIES

(1 CREDIT)

Students study the importance of their environment and its relevance to every life system on earth. Areas include the ecosystem, environmental changes, populations, biomes, air and soil, wildlife and recycling. Lab activities include graphing, experiments, researching, and recording.

918I ANATOMY/PHYSIOLOGY

(1 CREDIT)

Anatomy is the study of the structure of living organisms. In this course, we will approach the living organism from both an anatomical and physiological point of view, studying both structure and function. Study will begin with the typical animal cell and continue through to the most complex organism—the human. The course provides an excellent background for students planning to enter the fields of nursing, dentistry, medicine, veterinary medicine, and the biological sciences of any related field.

919 BASIC CIVICS I

(1 CREDIT)

This history course provides information on our state. The early years to present day are completed. Map skills, important people, regions, cities, industries, and historical facts are taught. The second part of the course is devoted to map studies, graph and chart interpretation, and general information about the continents of the world.

919I CIVICS I

(1 CREDIT)

Students will examine the role Pennsylvania played in the development of the colonial economy, the role Pennsylvania played in the concepts of freedom of religion, speech and the press, as well as the geography of Pennsylvania. Explore the early traditions of our democracy, the foundations of our system of government, and the structure of the Articles of Confederation. In addition, students will study the current Constitution of the United States, its form and structures, the duties of the President, congressmen and the Supreme Court. Students will explore the amendments, and the rights and responsibilities of citizenship, as well as what it means to be a good citizen. Students will also learn about our economic system.

920 BASIC WORLD HISTORY II

(1 CREDIT)

This course is designed to show the student the social, political, economic and religious characteristics of the different cultural regions of the world.

920I WORLD HISTORY II

(1 CREDIT)

This course is designed to show the student social, political, economic, and religious characteristics of the different cultural regions of the world.

921 BASIC AMERICAN HISTORY III

(1 CREDIT)

This history course offers practical instruction in the study of early American history through the 21st Century. Instructional areas will include a two-part course—Early American History through the Civil War and Reconstruction through present day.

921I AMERICAN HISTORY III

(1 CREDIT)

American History follows a sequential pattern from the period of Reconstruction to 1941. The pattern of topics includes examples from other cultures and subcultures and from current happenings, which provide a broad base of comparison from which pupils may get a deeper understanding of basic social science knowledge and abilities.

922 BASIC POLITICAL SCIENCE/RECENT US HISTORY IV

(1 CREDIT)

This course provides a focus on the United States government that includes information on the American legal and other political systems. Maps, charts, and graphs are used to stimulate interest, as well as to give information about individuals who helped establish our system of government.

922I POLITICAL SCIENCE/RECENT US HISTORY IV

(1 CREDIT)

The first semester will be a study of American government and the institutions that make up our system of government. The topics covered will be: The Constitution, Federalism, Civil Liberties, Civil Rights, Political Parties, Congress, The Presidency, The Supreme Court, Bureaucracies, and Foreign Policy. The second semester will be a study of the Political Science/History of the United States since 1941. Topics covered will be: World War II, The Cold War, Bay of Pigs, The Space Race, The Vietnam War, Watergate, The Civil Rights Movement, Ayatollah Khomeini and the United States Hostages in Iran and The Reagan Years.

923 BASIC LANGUAGE ARTS

(1 CREDIT)

This course is designed to improve basic reading, writing, grammar, and vocabulary skills. Throughout the year, students read selected material (i.e., novels, short stories, plays, newspapers) to increase comprehension and decoding skills. In addition, fluency is developed through timed oral readings. Students use the writing process to compose informational and persuasive essays. Vocabulary, basic grammar skills, and sentence structure are stressed.

924 GENERAL HISTORY

(1 CREDIT)

930 READING

(1 CREDIT)

This course is a direct instruction approach to decoding and comprehension designed for the struggling reader. It is based on cumulative skill development and involves daily practice in oral reading. Students learn to decode words automatically, increase rate and fluency, and improve comprehension skills.

Cross-curricular content builds general knowledge and develop study skills. Students systematically increase vocabulary, develop higher-order reasoning skills, and improve creative writing and grammar skills.

934 SENIOR RESEARCH (Seniors)

(1 CREDIT)

This course uses the daily newspaper to improve functional reading skills and develop student awareness of changes in the community, nation, and the world. Listening, speaking, and writing skills are enhanced through classroom discussion and written summaries of current events. Students will be instructed on the proper procedure to complete forms and formal documentation to research and write a formal paper and to present an oral report. This course will allow ample time to assist students in their Senior Project graduation requirement.

938 CAREER PREP I (Sophomores)

(1 CREDIT)

This course teaches a student to self assess themselves, how to explore a career, how to find a job, and the ethics of joining a workforce.

939 CAREER PREP II (Juniors)

(1 CREDIT)

This course teaches a student about professional development, life skills in the working world, and balancing work and personal life.

940A WORK EXPERIENCE I (Seniors) One period –period 8

(1 CREDIT)

940B WORK EXPERIENCE II (Seniors) Two periods – periods 7 and 8

(2 CREDITS)

940C WORK EXPERIENCE III (Seniors) Three periods – periods 6, 7, and 8

(3 CREDITS)

This senior “only” education option combines classroom study with planned and supervised on-the-job training which assists the student in understanding the world of work. Co-operative education provides employers in the community with responsible students who can be trained and skilled to meet the various community needs. Through joint cooperation of the school and the various businesses, a student is supervised in order to provide a more qualified and responsible employee on the job. Classroom theory activities include: communication skills, safety, business math, consumer information, economics, and career and job exploration.

994A EARLY RELEASE I – Period 8 Release (Seniors)

(0 CREDIT)

994B EARLY RELEASE II – Periods 7 and 8 Release (Seniors)

(0 CREDIT)

994C EARLY RELEASE III – Periods 6, 7 and 8 Release (Seniors)

(0 CREDIT)

This opportunity is designed for Seniors who have met their graduation requirements - no credit is awarded for this elective choice. The intent of this program is to allow students that are participating in dual enrollment, working part-time, helping with a family business, or completing an internship the opportunity to leave school early to begin their work earlier each day. Students participating in athletics are also eligible to leave early if they have met their graduation requirements and are still satisfying the eligibility requirements for the WPIAL. The goal of the district is to provide students involved in activities beyond the school day the opportunity to go home early to complete schoolwork prior to starting their “after-school” activity. If the school day is altered for any reason, students must still make themselves available for their scheduled classes. To accommodate scheduling, this course must be scheduled by July 1st of the summer preceding a student’s senior year. The course will not be added to a student’s schedule after the deadline. **Parents must sign a permission slip and students must provide their own transportation.**