

LAUREL HIGHLANDS HIGH SCHOOL



Career Planning Guide Course Catalog

“The classes I schedule today, will help me build skills for tomorrow.”

2018-2019

LAUREL HIGHLANDS HIGH SCHOOL

300 BAILEY AVENUE
UNIONTOWN, PENNSYLVANIA
15401

PHONE: (724) 437-4741

FAX: (724) 437-5653

www.lhsd.org

ADMINISTRATION

MR. JOHN DIAMOND	PRINCIPAL
MR. MATT KALICH	ASSISTANT PRINCIPAL
MRS. BRANDI MANCINI	ASSISTANT PRINCIPAL

GUIDANCE COUNSELORS/ASSIGNMENTS

MRS. ANDREA BARCHETTI (R-Z)
MRS. CATHY KANIA (M-Q)
MR. ANDREW LOY (G-L)
MS. MELISSA MICHAEL (A-F)

CHIEF OF SECURITY
ATTENDANCE OFFICER
TRANSPORTATION DIRECTOR

MR. RICHARD BARRON

SECRETARIES

MRS. LISA BROWN
MRS. SERINA LIVINGSTON
MRS. KATHY MIHALKO

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

CHECK THE COURSE LISTINGS IN THE **CAREER PLANNING 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 THE EDUCATIONAL OPPORTUNITIES THAT ARE AVAILABLE TO YOU!

TABLE OF CONTENTS

GENERAL INFORMATION.....	1-6
GUIDANCE SERVICES.....	6
ENGLISH AS A SECOND LANGUAGE.....	6
MENTORING PROGRAMS.....	6
NATIONAL ACADEMY FOUNDATION.....	6,15
TRANSCRIPTS - PARCHMENT ACCOUNT SETUP.....	6
COLLEGE ADMISSION.....	7
ARTICULATION AGREEMENTS/DUAL ENROLLMENTS.....	7
ADVANCED PLACEMENT/HONORS COURSES.....	8
GRADING INFORMATION/POLICY.....	9
MEDICAL EXCUSE (ME).....	9
WEIGHTING OF COURSES.....	9
INCOMPLETE (I).....	9
OPPORTUNITIES FOR POST-SECONDARY EDUCATION.....	10
FINANCIAL AID/SCHOLARSHIPS.....	10
INSTANT DECISION DAYS.....	10
GRADUATION REQUIREMENTS.....	10
CREDIT GRADUATION REQUIREMENTS	10
KEYSTONE GRADUATION REQUIREMENTS	11
VALEDICTORIAN/SALUTATORIAN.....	11
GRADUATION PARTICIPATION	11
COURSE SELECTION INFORMATION.....	12
GENERAL GUIDELINES.....	12
SCHEDULE CHANGES.....	12
COURSE WITHDRAWAL PROCEDURES.....	12
CLASS RANKING/STUDENT RECOGNITION.....	11
PROMOTION/RETENTION.....	13
HONOR ROLL.....	12
CREDIT RECOVERY/MANDATORY TUTORING PROGRAM.....	13
PROMOTION REQUIREMENTS (MIDDLE SCHOOL TO HIGH SCHOOL).....	13
EARLY RELEASE.....	14
LATE ARRIVAL.....	14
ACADEMIES.....	14
PROGRAM MODELS.....	15-23
CURRICULUM OFFERINGS.....	24-34
LANGUAGE ARTS (COURSE SELECTION FLOW CHART – PAGE 34).....	24
SOCIAL STUDIES (COURSE SELECTION FLOW CHART – PAGE 38).....	24
MATHEMATICS (COURSE SELECTION FLOW CHART – PAGES 40).....	25
SCIENCE (COURSE SELECTION FLOW CHART – PAGE 43).....	25
P.E./HEALTH.....	26
WORLD LANGUAGE.....	26
BUSINESS.....	26
AIR FOTCE JUNIOR ROTC.....(AFJROTC).....	27
TECHNOLOGY EDUCATION.....	27
FAMILY AND CONSUMER SCIENCE.....	27
MUSIC.....	28
ART.....	28
DRIVERS EDUCATION.....	28
EARLY RELEASE/LATE ARRIVAL.....	28
LEARNING SUPPORT.....	29
FAYETTE COUNTY CAREER & TECHNICAL INSTITUTE (FCCTI).....	21, 22, 30-33
COURSE DESCRIPTIONS.....	34-59

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 Mr. Randy Miller, 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**

This Career Planning Guide has been created to supply useful information to students and their families to assist in the course selection process as well as to inform them of various procedures in place at Laurel Highlands High School. Every attempt is made to ensure accuracy at the time of printing but all information is subject to change based upon available staffing, resources, PDE requirements, and local policy and program adoption by the Laurel Highlands School District. Your understanding in this matter is appreciated.

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 go to the Middle School to work with eighth grade students. The objective of the Peer Monitoring is to help our eighth grade student transition to grade 9 at the high school. Seniors also will travel to the elementary schools to work with the elementary students as well. In addition, the district is very proud of its Mini Mighty Mustangs Program that provides literacy materials to all Pre-K resident s of the district.

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 two career themes: Finance and Hospitality and Tourism. 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.

TRANSCRIPTS (AVAILABLE ON PARCHMENT ACCOUNT)

Transcripts are final, end-of-year grades including Cumulative GPA and Class Rank, for academic grades 9, 10, 11 and 12. 9th graders do not have Transcripts until end-of-year grades are finalized for their freshmen year courses. Transcripts do NOT change mid-year; only after grades are finalized.

(continued next page...)

As of April 1, 2014, Laurel Highlands High School is under contract with **Parchment**, an online service which provides OFFICIAL high school transcripts. All transcripts and graduation verifications are processed electronically. Parchment sends Official transcripts securely, accurately and confidentially to any college or university, employer, background check or agency and also to scholarship locations. You can request transcripts anytime from anywhere. All you need is an internet connection and to visit Parchment.com. The link is also found on www.LHSD.org website. Unofficial Transcripts are posted on the LHHS Portal for easy access.

One of the required documents you will need when applying to colleges, or for jobs in the future, is an official high school transcript. Whether it is in the near future, or 20 years from now, someone is going to need your transcript. Please note that parents can make these requests *until students turn 18*. Once students turn 18, no one can request student records, except the student.

Sophomores are provided with Registration Codes to create their Parchment accounts. Students should create an account as soon as they receive this code. By using the Registration Code provided, the student information will be auto-filled from the LHHS Student Information System. Without this code, you can still create the account but will have to enter all your own information.

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 may be obtained by creating a Parchment Account and submitting a request through the account.

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**

PSAT/NMSQT— All sophomores will participate in the PSAT Test at no cost to the student.

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 four times a year in October, November, April, 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 Subject Test—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 – Non-Refundable Fee**

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

****Fee Charged – Non-Refundable Fee once test is ordered).**

ACT—American College Test, or ACT, consists of four subject areas: English Usage, Mathematics Usage, Writing, 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 – Non-Refundable Fee**

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. Assessments are currently required in Algebra I, Biology, and Literature.

Beginning with the Class of 2019, students must pass all three Keystone Assessments in order to be eligible to graduate. Students not passing the Keystone Exam(s) will be placed in a Keystone Remediation Course for the appropriate subject area. This may cause a schedule change.

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. Each year, these agreements are revised. Please see your counselor to discuss options for the upcoming school year.

Dual Enrollment/College in High School

The Laurel Highlands High School participates in a Dual Enrollment Program in which students are able to earn college credit while in high school. **There are three types of dual enrollment opportunities available:**

- 1) Advanced Placement Courses (AP) taught by our teachers and our classes, but college approved,
- 2) On-site courses where students attend the college/university (on campus, online, or afterschool at the high school), or
- 3) College in High School, where several of our teachers are approved and certified to teach college courses at the high school during the day and students can choose to earn college credits.

The opportunities available are updated on a continuous basis. Please visit the Guidance Link on our school's homepage at www.lhsd.org

Currently, the district is reimbursing a small amount of the cost for students as long as they earn a "C" or higher in the course. ***The district negotiated a lower tuition price and is offering the reimbursement as a way for students to have advanced standing in college before they leave high school and for parents to save money.*** For additional information, please speak to your child's guidance counselor. ***(Unfortunately, Tuition, Fees, and Reimbursements are subject to change.)***

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 Language and Composition III
AP Composition and Literature IV
AP American History
AP US Government/Politics
AP Human Geography
AP Psychology
AP Calculus "12"

AP Statistics
AP Biology
AP Chemistry
AP Physics
AP French
AP Spanish V
AP Music Theory

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 English II
Honors English III
Honors English IV
Honors Geometry "9"
Honors Advanced Algebra "10"
Honors Function/Trig/Pre-Calculus "11"
Honors Biology
Honors Chemistry

Honors Organic Chemistry
Honors Physics
Honors Civics
Honors World History
Honors French IV
Honors Spanish IV
Honors Chamber Choir
Honors Jazz Ensemble

GRADING POLICY/ GRADING INFORMATION:

The following grade scale will be used:

GRADE	PERCENTAGE	QUALITY POINTS
A	95-100	4.0000
A-	90-94	3.6667
B+	87-89	3.3333
B	83-86	3.0000
B-	80-82	2.6667
C+	77-79	2.3333
C	73-76	2.0000
C-	70-72	1.6667
D	60-69	1.0000
F	0-59	0.0000
ME	N/A	0.0000

WEIGHTING OF COURSES

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

GRADE	REGULAR QUALITY POINTS	FACTOR	WEIGHTED QUALITY POINTS	FACTOR	WEIGHTED QUALITY POINTS
		HONORS	HONORS	AP	AP
A	4.0000	1.125	4.5000	1.25	5.0000
A-	3.6667	1.125	4.1250	1.25	4.5834
B+	3.3333	1.125	3.7500	1.25	4.1666
B	3.0000	1.125	3.3750	1.25	3.7500
B-	2.6667	1.125	3.0000	1.25	3.3334
C+	2.3333	1.125	2.6250	1.25	2.9166
C	2.0000	1.125	2.2500	1.25	2.5000
C-	1.6667	1.125	1.8750	1.25	2.0834
D	1.0000	1.125	1.1250	1.25	1.2500
F	0.0000	1.125	0.0000	1.25	0.0000
ME	0.0000	1.125	0.0000	1.25	0.0000

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. Students are encouraged to contact their post-secondary institution's financial aid offices for further assistance.

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-line at www.lhsd.org under the Student Life tab.

INSTANT DECISION DAYS

Throughout the school year, recruiters from several colleges and universities as well as other post-secondary institutions will visit Laurel Highlands to interview students and offer college admittance at the end of the interview. A list of participating schools is available on-line but check back frequently as the schedule is constantly being updated.

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:

CREDIT REQUIREMENTS

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 History or Geography/Economics
Mathematics	Four (4.0) credits	Minimum of Algebra A, Algebra B, Concepts of Geometry, and Consumer Math
Science	Four (4.0) credits	Bio 9, Bio 10 and two(2) 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 CTI course offerings
Freshman Seminar or AFJROTC	One-half(0.5) credit	Required elective – Grade 9

KEYSTONE GRADUATION REQUIREMENTS

Students will take end of year assessments in Biology, Algebra, and Literature. All students must take the Keystone Exams and pass them as required by PDE. Students who do not receive a passing score will be assigned to a remediation program and must receive a passing grade on a state issued reassessment exam or on the project based assessment to be eligible to graduate. If scheduled during the school day, the remediation class may be substituted for another elective. Family Travel will not be approved during the State Assessment Window.

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 (Class of 2019 and Class of 2020)**

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.

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

Students graduating earlier than their original graduating class will not be eligible for recognition as Valedictorian or Salutatorian.

****(This is the current class rank procedure through the Class of 2020. Beginning with the Class of 2021 and moving forward, the LHSD has eliminated the class ranking of students and has implemented the recognition of students by using a "Latin Ranking System.")**

CLASS RANKING SYSTEM:

Beginning with the Class of 2021, a Valedictorian and Salutatorian will not be recognized. Students will be recognized by using a "Latin System". Weighted GPA Grading Scale will still exist but students will be recognized at graduation according to the following scale:

Career GPA of 4.40 and higher = Summa Cum Laude

Career GPA of 4.2 to 4.39 = Magna Cum Laude

Career GPA of 3.8 to 4.19 = Cum Laude

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, demonstrate proficiency on the Keystone Exams, 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.

Students must dress in at least business casual attire and have a cap and gown for the ceremony.

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 and lunch).

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 or 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	3.9 – Plus
High Honors	3.5 – 3.89
Honors	3.0 – 3.49

***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
11th Grade to 12th Grade	18.5 Credits earned

TUTORING/CREDIT RECOVERY

Ninth and Tenth grade students who are failing Math, English, Science, or Social Studies after each grading period **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 the 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 classes and as a result, being retained.

PROMOTION REQUIREMENTS/SUMMER SCHOOL **LAUREL HIGHLANDS MIDDLE SCHOOL STUDENTS**

The following guidelines apply for the Laurel Highlands Middle School:

If a 6th or 7th grade student fails one or two major subjects (Math, English, Social Studies, Science or Reading), students must make up classes in an approved credit granting summer school in order to be promoted. Students are encouraged to take LHSD summer school classes in lieu of outsourced curricula.

If a 7th grade student fails only one major class (Math, Reading, English, Social Studies, or Science) they are still required to make up the class in an approved credit granting summer school in order to be promoted. Students are encouraged to take LHSD summer school classes in lieu of outsourced curricula.

If a student fails more than two major subjects, he/she **must repeat** the grade level. (If factors, such as age, are considered for placement at the high school, an Academic Review must be held to determine appropriate programs and/or proper placement for the student. Such students **must attend** summer school to be considered for promotion.)

When an 8th grade fails one class due to contributing factors, such as excessive absences, serious discipline problems, and/or academic difficulty, the student **must attend** the Ninth Grade Summer Bridge Program in order to move on to Grade 9.

If an 8th grade student earns a "D" grade in Math, Reading, or English, it is **highly recommended** that they attend the 9th Grade Summer Bridge Program.

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. 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.** **Scheduling Early Release does not guarantee or entitle any student to a parking pass. Parking passes will be distributed in accordance with the parking pass distribution procedure.**

***Student may choose either Late Arrival or Early Release – Not a combination of both options**

LATE ARRIVAL – Course 995A and 995B - A lunch period will be scheduled

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 arrive to school late each day. Students participating in athletics are also eligible to arrive late 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 arrive late to complete schoolwork prior to starting their school day. 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. Required courses and core content classes will be given first scheduling priority over the scheduling of Late Arrival. 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.** **Scheduling Late Arrival does not guarantee or entitle any student to a parking pass. Parking passes will be distributed in accordance with the parking pass distribution procedure.**

***Student may choose either Late Arrival or Early Release – Not a combination of both options**

**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 and increased academic requirements. 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:

Academy of Finance – National Academy Foundation
Academy of Hospitality and Tourism – National Academy Foundation
Academy of Information Technology
Fine Arts Career Academy
Pre-Engineering Career Academy
Manufacturing Career Academy
Education, Health and Human Services Career Academy
Advanced Placement Career Academy
FAYETTE COUNTY CAREER & TECHNICAL INSTITUTE (FCCTI)
Career and Community Academy
Air Force JROTC

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

NAF ACADEMY OF FINANCE

Mission

NAF solves some of the biggest challenges facing education and the economy by bringing education, business, and community leaders together to transform the high school experience.

Vision

NAF envisions a world in which all young people have equal opportunity for successful futures.



Core Values

Teamwork, Learning, Integrity, Respect, Trust, and Innovation

Welcome to the Academy of Finance!

- ★ Students who will enroll in the Academy of Finance will have the full support of the NAF network.
- ★ NAF is a national network of education, business, and community leaders who work together to ensure high school students are college, career, and future ready.
- ★ NAF has grown from one NAF Academy of Finance in New York City to hundreds of academies across the country focusing on growing industries including: finance, hospitality & tourism, information technology, engineering, and health sciences.
- ★ During the 2016-17 school year nearly 100,000 students attended 675 NAF academies across 36 states, including DC and the US Virgin Islands.
- ★ In 2016, NAF academies reported 96% of seniors graduated with 92% of graduates planning to go to college.
- ★ Students will have access to the most current, cutting-edge, business curriculum as well as opportunities to enhance their 21st Century skills through the use of NAF's project based learning initiative.
- ★ In addition to the curriculum, Academy of Finance (AOF) students will also have the opportunity to work side-by-side with the Fayette County School Employees Credit Union student branch during lunch periods.
 - ✓ The credit union opened their first student branch in our high school in 2015. They have been a great partner and have given AOF students hands on experience in the world of banking.
- ★ Students will also have the opportunity to compete in the annual Fayette County Business Pitch Competition, similar to Shark Tank.
- ★ All AOF students will have the opportunity to complete a paid internship through one of the many local business partners we have in the area.
- ★ Finally, **students will receive 3 college credits for taking Accounting II through Westmoreland County Community College.** The credits earned are easily transferable to most universities and colleges in Pennsylvania.

Special Graduation Recognition

- ★ AOF students are eligible for completers status upon graduation if they enroll in and pass three AOF courses, take one dual enrollment/AP course, and complete an internship.
- ★ All AOF completers will receive a green honors cord to wear at graduation along with a completers certificate from NAF, which is an industry recognized certificate which

(continued next page...)



may open doors to all of NAF network partners to include: Verizon Wireless, Hewitt Packard Enterprises, JP Morgan Chase & Co., Capital One Bank, Johnson & Johnson, Marriott Hotel Resorts & Suites, MasterCard, Moody's, and Apple Inc.



Suggested Course Sequence

Grade 9

- ★ Introduction to Finance ó Instructor Mr. Bryson

Grade 10

- ★ Introduction to Finance ó Instructor Mr. Bryson
- ★ Accounting I ó Instructor Mr. Bryson
- ★ Banking/Credit/Personal Finance ó Instructor Mr. Bryson

Grade 11

- ★ Introduction to Finance ó Instructor Mr. Bryson
- ★ Accounting I ó Instructor Mr. Bryson
- ★ **Accounting II (College Credit/Dual Enrollment)** ó Instructor Mr. Bryson
- ★ Banking/Credit/Personal Finance ó Instructor Mr. Bryson
- ★ Securities and Insurance ó Instructor Mr. Costello
- ★ **Internship – Summer between 11th and 12th grade**

Grade 12

- ★ Introduction to Finance ó Instructor Mr. Bryson
- ★ Accounting I ó Instructor Mr. Bryson
- ★ **Accounting II (College Credit/Dual Enrollment)** ó Instructor Mr. Bryson
 - (May be substituted for senior Math credit senior by members of NAF Finance Academy)
- ★ Banking/Credit/Personal Finance ó Instructor Mr. Bryson
- ★ Securities and Insurance ó Instructor Mr. Costello

INFORMATION TECHNOLOGY ACADEMY

GRADE 9 –

Introduction to Information Technology /Computer Hardware Technology or
Digital Communications I

GRADE 10 –

Digital Communications I or II
Video Production I

GRADE 11 –

Digital Communications I or II
Video Productions I or II

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

GRADE 12 –

Digital Communications II or
Video Production I or Video Production II
Dual Enrollment, college/high school class.

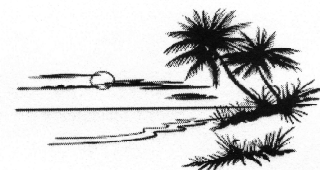
Articulation agreements are revised each year for this program. Please see your guidance counselor to discuss the options for next year.

NAF Academy of Hospitality and Tourism

The Academy of Hospitality and Tourism offers an exciting career and destination-exploring curriculum for students interested in the world beyond a desk and four walls. H&T students, with their classmates, have visited exciting destinations such as New York City, Chicago, Niagara Falls, Canada, and Washington, D.C., to enhance their educational experience. Introduction to all aspects of the industry, highly sought-after Soft Skills, and courses geared toward both operational and theoretical management round out the curriculum choices.

SUGGESTED COURSE SEQUENCE

- GRADE 10 Business Concepts for Hospitality and Tourism/Strategies for Success (Soft Skills)
- GRADE 11 Sports, Events, and Entertainment Management
Possible paid Internship during the summer between Junior and Senior years with a local business partner.
- GRADE 12 Resorts Management and Operations and either
Geography and Economics for Hospitality and Tourism or
an Advanced Placement Course or
Dual Enrollment for college credit
Possible articulation with post-secondary institutions



AOH&T students who complete and pass all required courses and complete an internship, **will earn an orange honor cord and a pineapple (symbol of H&T) honor pin** to be worn with their gown at graduation. In addition, students will receive a Certificate of Completion from the National Academy Foundation, recognized by members of the National Academy Network of hospitality businesses.

Information on articulation agreements with post-secondary institutions is available in the Guidance Office and the Office of the Curriculum Coordinator.

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 –

- | | | | |
|--------------|-----|-----------------------------|---|
| Grades 9-12 | 717 | Introduction to Engineering | |
| Grades 10-12 | 704 | Principles of Engineering | or 706 Civil Engineering and Architecture |
| Grade 12 | 705 | Engineering Design | |

Academy of Fine Arts

The fine arts encompass a visual and aural phenomenon that satisfies the human need to respond to life experiences through singing, listening, playing an instrument, painting, and creating works of art. The goal of fine arts education is to provide students with skills and experiences to continue and succeed in the arts in our schools and beyond. In our classrooms students will learn the life skills that will contribute to their personal growth as a human being by providing opportunities which develop critical thinking skills, communication skills, leadership skills, cultural and historical knowledge, and most importantly a means of creative expression through artist performance and creation.

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. In addition, a majority of students do not intend to study the fine arts as a major in college but choose to study art, music or theatre as electives. Laurel Highlands High School promotes a life long love of the arts by offering a comprehensive arts education. From designing and drawing, acting on stage or performing in concert, a variety of performing and visual arts options are open to all students.

ALL STUDENTS, REGARDLESS OF THEIR INTENTION TO MAJOR IN ART, MUSIC OR THEATRE, ARE OPEN TO ANY OF THE COURSES LISTED BELOW. ENROLLING IN A FINE ARTS COURSE WILL FULFILL YOUR ARTS/HUMANITIES GRADUATION REQUIREMENT AND OTHER ELECTIVES REQUIREMENT. COLLEGES AND UNIVERSITIES LOOK FAVORABLY ON STUDENTS WHO ARE ENROLLED IN ARTS COURSES.

IF YOU ARE INTERESTED IN MAJORING IN ONE OF THE FINE ARTS, PLEASE SEE THE ACADEMY CAREER PATHWAYS TRACK. Students who are accepted and complete the requirements for the arts career tracks will be awarded with a certificate of program completion and a honor cord to be worn at commencement. Students seeking a major in art, music, or theatre must meet with an advisor in their particular interest of study by the beginning of their sophomore year.

ART MAJOR	-	Mr. DeFazio	-	mike.defazio@lhhsd.org
MUSIC MAJOR (Choral)	-	Mrs. Stewart	-	lauren.stewart@lhhsd.org
MUSIC MAJOR (Instrumental)	-	Mr. Santore	-	mark.santore@lhhsd.org
THEATRE MAJOR	-	Mrs. Stewart	-	lauren.stewart@lhhsd.org

FINE ARTS COURSES:

	<u>PERFORMING ARTS</u>	<u>VISUAL ARTS</u>
<u>GRADE 9:</u>	THE814 Theatre MUS810 Chorale Choir MUS821 Symphonic Band MUS822 Percussion Ensemble MUS811 Music Theory & Technology MUS825 Intro to Guitar & Music Technology MUS829 Marching Band	ART830 Art I
<u>GRADES 10 - 12:</u>	THE814 Theatre THE816 Advanced Theatre* MUS810 Chorale Choir MUS812 Honors Chamber Choir* MUS821 Symphonic Band MUS822 Percussion Ensemble MUS824 Honors Jazz Ensemble* MUS811 Music Theory & Technology MUS827 AP Music Theory MUS825 Intro to Guitar & Music Technology MUS829 Marching Band MUS826 Applied Music See Mr. Santore	ART830 Art I ART833 Advanced Mixed Media ART836 Advanced Sculpture & Ceramics ART834 Advanced Painting

** = Grades 10-12 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 Choir*** in your sophomore, junior and senior years. In addition, MUS825 Intro to Guitar 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 Mrs. Stewart for more information.

MUS829 MARCHING BAND: Marching Band is a co-curricular activity. It is strongly recommended students wanting to major in music have four years of marching band experience.

PRIVATE LESSONS: Private lessons are encouraged for all students in music courses at Laurel Highlands. Through private lessons student truly begin to develop their skills on their voice or instrument. Please contact Mr. Santore or Mrs. Stewart for a list of recommended private teachers in our area.

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.

Career Pathways

Acceptance into to the academy career path must meet the following criteria first and maintain these criteria to remain in the program.

- 2.75 Cumulative G.P.A
- 90% Attendance Rating
- No major discipline infractions on your permanent record.

Students who are accepted and complete the requirements for the arts career tracks will be awarded with a certificate of program completion and a honor cord to be worn at commencement. Upon acceptance you can choose from the following career emphasis. **Summer gym is strongly recommended as it will allow you to add another 0.5 or 1 credit elective to your schedule.**

ART

- 1 credit - Art I
- 1 credit - Advanced Mixed Media
- 1 credit - Advanced Painting
- 1 credit - Advanced Sculpture & Ceramics



* Student must complete a minimum of 3 art courses.

* Student must complete an approved academy project that focuses in art such as an exhibit of art work or portfolio project.

FINE ARTS - GENERAL

- 1 credit - Art I
- 1 credit - Music
- 1 credit - Theatre
- 1 year - Art Exhibit, Marching Band, Musical



* Student must complete an approved academy project that focuses in art, music or theatre.

MUSIC - INSTRUMENTAL

- 4 credits - Major Ensembles on your primary instrument
- 1 credit - AP Music Theory or Music Theory
- 1 credit - Applied Music
- 3 years - Marching Band (co-curricular course)



* Student must enrolled in private lessons with an approved instructor and complete at least two recitals and juries. Music Education Majors will be required to have observation hours of classroom teaching.

MUSIC - VOCAL

- 4 credits - Major Ensembles on voice
- 1 credit - AP Music Theory or Music Theory
- 1 credit - Applied Music
- 1 year - Musical (co-curricular course)



* Student must enrolled in private lessons with an approved instructor and complete at least two recitals and juries. Music Education Majors will be required to have observation hours of classroom teaching.

THEATRE

- 1 credit - Intro to Theatre
- 1 credit - Advanced Theatre
- 3 years - Musical or Fall Production (co-curricular course)



* Student must complete a theatre performance portfolio showcasing all of their work.

MUSICAL THEATRE

- 4 credits - Major Ensembles on voice
- 1 credit - Intro to Theatre
- 1 credit - Advanced Theatre
- 1 credit - Music Theory or AP Music Theory
- 3 years - Musical or Fall Production (co-curricular course)



* Student must complete a theatre performance portfolio showcasing all of their work and perform on at least one recital.

EDUCATION, HEALTH, AND HUMAN SERVICES CAREER ACADEMY

Grade 10

Human Development and Family Studies
Nutrition
Intro to Health Careers

Grade 11

Psychology or Advanced Placement Psychology
Human Development and Family Studies
Nutrition
Intro to Health Careers

Grade 12

Psychology or Advanced Placement Psychology
Human Development and Family Studies
Nutrition
Intro to Health Careers
Anatomy or other advanced science elective

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 fourteen (14) 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 Human Geography
Advanced Placement Spanish
Advanced Placement Psychology
Advanced Placement Music Theory
Advanced Placement French

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. Potentially, students could leave high school with several college credits.

FAYETTE COUNTY CAREER & TECHNICAL INSTITUTE (FCCTI)

(Descriptions available pages 30-33)

The FAYETTE COUNTY CAREER & TECHNICAL INSTITUTE (FCCTI) 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 CAREER & TECHNICAL INSTITUTE (FCCTI) to become familiar with the educational opportunities that the vocational technical school offers. Staff from the CTI 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 CTI 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 CAREER & TECHNICAL INSTITUTE (FCCTI):

Auto Body	Culinary Arts
Auto Mechanics	Commercial Art and Design (Graphic Arts)
Diesel Mechanics	Health Occupations
Electrical Construction	Building Construction Trades
Machine Production Technology	Masonry
Information Technology	Welding
Agriculture	Heating, Ventilation, and Air Conditioning
Cosmetology	Advanced Manufacturing Academy

Students attending the FAYETTE COUNTY CAREER & TECHNICAL INSTITUTE (FCCTI) must report to the high school for half of their instructional day each day. Seniors will report to the FAYETTE COUNTY CAREER & TECHNICAL INSTITUTE (FCCTI) in the afternoon, while sophomores and juniors will attend the FAYETTE COUNTY CAREER & TECHNICAL INSTITUTE (FCCTI) in the morning. The courses offered are based on demand for certain courses and limited student enrollment per course.

FAYETTE COUNTY CAREER & TECHNICAL INSTITUTE (FCCTI)

GRADE 10		CR.		
005 Academic English II		1.0		
102 World History		1.0		
201 Algebra B/higher		1.0		
303 Biology 10		1.0		
CTI 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
203 Concepts of Geometry/higher		1.0	Math or Science Elective	1.0
307 Human Bio or 306 Env Science		1.0	PE, Aquatics & 410 Health (5 days/week)	0.5, 0.5
CTI Shop		3.5	CTI Shop	3.5

Continued next page...

AFJROTC and FAYETTE COUNTY CAREER & TECHNICAL INSTITUTE (FCCTI)

GRADE 10	CR.
005 Academic English II	1.0
AFJROTC	1.0
201 Algebra B/higher	1.0
303 Biology 10	1.0
CTI 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
203 Concepts of Geometry/higher	1.0	AFJROTC	1.0
AFJROTC	1.0	PE, Aquatics. & 410 Health (5 days/week)	0.5, 0.5
CTI Shop	3.5	CTI Shop	*3.5

Program description available pages 30-33.

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, and survival
- Leadership Education offers cadets opportunities to shape their character. Cadets learn about character development and elements of good citizenship.
- 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. All Cadets will be enrolled in the same course during an academic year. Courses will rotate each school year to ensure cadets do not repeat curriculum.

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
301 Biology 9	1.0	303 Biology 10	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 or AFJROTC	0.5(1.0)	Physical Education or Aquatics	0.5
Physical Education or Aquatics	0.5	410 Health B/G	0.5
Elective	1.0	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	923 Language Arts	1.0
Elective	1.0	Physical Education or Aquatics	0.5
Elective	1.0	Elective	1.0
Physical Education or Aquatics	0.5	Elective	1.0
Lunch	0.0	Lunch	0.0

L

1.0

CURRICULUM OFFERINGS

LANGUAGE ARTS COURSE OFFERINGS

Course Number	Course Title	Recommended Grade Level	Number of Sem/Year	Periods Per Week	Units of Cred/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
007	Keystone ELA	11-12	2	3	0.5
008	Academic English III	11	2	5	1.0
010	*Honors 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
013	*Honors English IV	12	2	5	1.0
012	*A.P. Composition/Lit. IV	12	2	5	1.0
014	Public Speaking and Debate	11-12	2	5	1.0
015	Creative Writing	10-12	2	5	1.0
016	Journalism	10-12	2	3	0.5
017	Mock Trial	11-12	2	3	0.5

*Weighted course

Course descriptions may be found on Pages 34-36.

SOCIAL STUDIES COURSE OFFERINGS

Course Number	COURSE TITLE	Recommended Grade Level	Number of Sem/Year	Periods Per Week	Units of Cred/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
113	*AP Human Geography	12	2	5	1.0
126	Psychology	11-12	2	5	1.0
130	*AP Psychology	11-12	2	5	1.0
132	Contemporary Domestic Issues	9-12	2	3	0.5
665	Geog. and Econ. for Finance/Travel/Tourism	12	2	5	1.0

*Weighted Course

Course descriptions may be found on Pages 36-39.

MATHEMATICS COURSE OFFERINGS

Course Number	COURSE TITLE	Recommended Grade Level	Number of Sem/Year	Periods Per Week	Units of Cred/Yr
200	Algebra A	9	2	5	1.0
201	Algebra B	9/10	2	5	1.0
203	Concepts of Geometry	11/12	2	5	1.0
204	Keystone Algebra	9-12	2	3	0.5
206	Algebra I	9-12	2	5	1.0
207	Algebra II	9-12	2	5	1.0
208	*Honors Advanced Algebra "10 "	10	2	5	1.0
209	Geometry	10-12	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-CalculusII/Statistics	12	2	5	1.0
214	*AP Calculus "12"	12	2	5	1.0
215	Calculus	12	2	5	1.0
216	Consumer Mathematics	12	2	5	1.0
219	*AP Statistics	11-12	2	5	1.0
220	Coding/Computer Science	11-12	2	5	1.0
*Weighted Course Course descriptions may be found on Pages 39-42.					

SCIENCE COURSE OFFERINGS

Course Number	Course Title	Recommended Grade Level	Number of Sem/Year	Periods Per Week	Units of Credit Per Year
300	Biology 9	9	2	5	1.0
302	*Honors Biology	9	2	5	1.0
303	Biology 10	10	2	5	1.0
304	Keystone Biology	11-12	2	3	0.5
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	11-12	2	8	1.0
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	Conceptual Physics	10-12	2	5	1.0
316	*Honors Chemistry	10-12	2	5	1.0
318	*Honors Organic Chemistry	12	2	5	1.0

*Weighted Course Course descriptions may be found on Pages 42-45

PHYSICAL EDUCATION/HEALTH COURSE OFFERINGS

Course Number	COURSE TITLE	Recommended Grade Level	Number of Sem/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
408	Personal Fitness	11-12	2	3	0.5
410	Health B/G	10-12	2	3	0.5
415	Kinesiology	11-12	2	3	0.5
416	CPR/First Aid	9-12	2	3	0.5
423	Adaptive P.E.	9-12	2	3	0.5

Course descriptions may be found on Pages 45-46.

WORLD LANGUAGE COURSE OFFERINGS

Course Number	COURSE TITLE	Recommended Grade Level	Number of Sem/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	*Honors French IV	11-12	2	5	1.0
505	*AP 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	*Honors Spanish IV	11-12	2	5	1.0
510	*AP Spanish V	12	2	5	1.0
513	Destinations	9-12	2	5	1.0

**All Language courses satisfy Humanities requirement. Course descriptions may be found on Page 46-48.

*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/Yearbook	10-12	2	5	1.0
618	Digital Photography	9-12	2	3	0.5
619	Keyboarding	9-12	2	5	1.0
621	Life After High School (Formerly called College and Careers)	10-12	2	3	0.5
650	Introduction to Finance	9-10	2	5	1.0
651	Banking, Credit, and Financial Planning	10-11	2	5	1.0
652	Securities/Insurance	12	2	5	1.0
660	Business Concepts for Hospitality and Tourism	10	2	5	1.0
662	Sports, Events, and Entertainment Management	11	2	5	1.0
663	Resorts: Management and Operation	12	2	5	1.0
907	Freshman Seminar	9	2	3	0.5

Course descriptions may be found on Pages 48-50.

AIR FORCE JROTC

Course Number	COURSE TITLE	Recommended Grade Level	No. of Semesters Per Year	Periods Per Week	Units of Credit Per Year
681	Leadership II/Science of Flight	SY 2021-22	2	5	1.0
680	Leadership II/Aviation History	SY 2018-19	2	5	1.0
683	Leadership IV/Survival	SY 2019-20	2	5	1.0
682	Leadership III/Exploration of Space	SY 2020-21	2	5	1.0
687	AFJROTC Summer Leadership I	10-12	0	0	0
688	AFJROTC Summer Leadership II	10-12	0	0	0
689	Advanced Drill	All Grades	2	3	0

Course descriptions may be found on Pages 50-51.

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	9-12	2	5	1.0
701	Digital Communications I	9-12	2	5	1.0
702	Video Productions	10-12	2	5	1.0
703	Video Productions II	11-12	2	5	1.0
(2)704	Principles of Engineering (POE)	10-12	2	5	1.0
(4)705	Engineering Design & Develop't (EDD)	11-12	2	5	1.0
(3)706	Civil Engineering and Architecture (CEA)	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
713	Adv. Manufacturing Enterprise	11-12	2	5	1.0
(1)717	Intro to Engineering/CAD (IED)	9-12	2	5	1.0

*Weighted Course - Course descriptions may be found on Pages 52-53.

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 Develop/Family Studies	10-12	2	5	1.0
807	Introduction to Health Careers	10-12	2	3	0.5

*All Family and Consumer Science courses satisfy Arts requirement. Course descriptions (Pages 53-54).

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	9-12	2	5	1.0
812	*Honors Chamber Choir	10-12	2	5	1.0
814	Theatre	9-12	2	5	1.0
816	Advanced Theatre	10-12	2	5	1.0
817	Musical 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	*Honors Jazz Ensemble	10-12	2	5	1.0
825	Intro. to Guitar	9-12	1	5	0.5
826	Applied Music	11-12	2	5	1.0
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 54-56.

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	Adv. Painting and Printmaking	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 54.

DRIVERS EDUCATION/EARLY RELEASE/LATE ARRIVAL

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
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
OR					
995A	Late Arrival I	12	2	5	0.0
995B	Late Arrival II	12	2	10	0.0

Course descriptions may be found on Pages 56 and 59.

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 A	9-12	2	5	1.0
914I	Algebra B	9-12	2	5	1.0
915	Basic Science	9-12	2	5	1.0
946I	Algebra I	9-12	2	5	1.0
949I	Concepts of Geometry 11	11	2	5	1.0
950I	Consumer Math 12	12	2	5	1.0
915I	Biology 9	9	2	5	1.0
929I	Biology 10	10	2	5	1.0
916I	Environmental Science	11	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 (2021-22)	9-12	2	5	1.0
919I	Civics I	9	2	5	1.0
920	Basic World History II (2018-19)	9-12	2	5	1.0
920I	World History II	10	2	5	1.0
921	Basic American History III (2019-20)	9-12	2	5	1.0
921I	American History III	11	2	5	1.0
922	Basic Pol. Sci./US Hist IV (2020-21)	9-12	2	5	1.0
922I	PolSci/Rec US History	12	2	5	1.0
923	Basic Language Arts	9-12	2	5	1.0
925I	English I	9	2	5	1.0
926I	English II	10	2	5	1.0
927I	English III	11	2	5	1.0
928I	English IV	12	2	5	1.0
930	Reading	9-12	2	5	1.0
934	Senior Research	12	2	5	1.0

Course descriptions may be found on Pages 56-59.

FAYETTE COUNTY CAREER & TECHNICAL INSTITUTE (FCCTI)

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

Students must meet entry requirements before acceptance into any of the FCCTI programs!

GUIDELINES:

During their 9th grade year, students may apply to the FAYETTE COUNTY CAREER & TECHNICAL INSTITUTE (FCCTI). 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 FCCTI if he/she has failed more than one class at the home school the semester before attending the FCCTI.

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

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

COURSE CODE	SHOP	TEACHER	AM	PM
849	Advanced Manufacturing Academy	Mr. Cobert	Grade 11	Grade 12
851	Auto Body	Mr. Forsythe	Grades 10/11	Grade 12
852	Agriculture	Ms. Sheperd	Grades 10/11	Grade 12
853	Auto Mechanics	Mr. Humphreys	Grades 10/11	Grade 12
854	Building Construction Occupations	Mr. Howser	Grades 10/11	Grade 12
857	Cosmetology	Mrs. Olson/Mrs. Scaife	Grades 10/11	Grade 12
858	Diesel Mechanics	Mr. Dancer	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. Shaw	Grades 10/11	Grade 12
864	Commercial Art and Design	Mr. Bowers	Grades 10/11	Grade 12
865	Health Occupations	Mrs. Lowry/Mrs. Martin	Grades 10/11	Grade 12
866	Masonry	Mr. Motchar	Grades 10/11	Grade 12
867	Machine Production Technology	Mr. Johnson	Grades 10/11	Grade 12
868	Welding	Mr. Oravets/Mr. White	Grades 10/11	Grade 12
869	Heating/AC and Ventilation	Mr. Hawk	Grades 10/11	Grade 12

Review the Fayette County CTI 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)

Accidents happen, especially car accidents. At the Fayette County CTI you can prepare for a rewarding and profitable career in automotive collision repair. Our program instructs students in the latest techniques and practices in the industry. You will study all phases of auto collision repair and restoration. Your skills will be put to the test as you complete work on demonstration and actual customer vehicles. Students also learn to estimate costs, prepare work orders, and how to manage an auto body shop. Prospective students should possess manual dexterity, mechanical aptitude, physical strength and stamina, the ability to pay attention to detail and complete projects with accuracy.

Certification: I-CAR

853 AUTO MECHANICS

(3.5 CREDITS/YEAR)

With the continual advancements in automotive technology, the demand for skilled automotive technicians remains high. In the Automotive Mechanics Program, you will receive both classroom and hands-on instruction in the repair and maintenance of today's cars and light trucks. Students utilize repair manuals, textbooks, and computerized equipment to diagnose, troubleshoot and repair malfunctions within a car's many operating systems. Upon completion of the course, students may also become licensed as state safety and emissions inspection mechanics. Prospective students should possess mechanical aptitude, manual dexterity, physical stamina, and the ability to solve problems.

Certification: ASE and NATEF (2012)

858 DIESEL MECHANICS

(3.5 CREDITS/YEAR)

This program prepares individuals to apply technical knowledge and skills to the specialized maintenance and repair of trucks, buses, and other commercial and industrial vehicles. The program includes instruction in diesel engine mechanics, suspension and steering, brake systems, electrical and electronic systems, preventive maintenance inspections, drive trains, HVAC systems, and auxiliary installation and repair.

Certification: ASE and NATEF (2012)

TECHNOLOGY PROGRAMS**861 ELECTRICAL CONSTRUCTION**

(3.5 CREDITS/YEAR)

If a supercharged career is what you are looking for, then Electrical Construction might spark your interest. 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 in accordance with the National Electrical Code. Specialty areas including the installation of high voltage lines and electrical distribution systems are also covered. 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.

Certification: NCCER

867 MACHINE PRODUCTION TECHNOLOGY

(3.5 CREDITS/YEAR)

Skilled machinists are in great demand. The training you will receive in the Machine Tool Technology program can put you on the road to a successful career in this high growth industry. In a state-of-the-art facility, students use manual and computerized machining equipment to cut, mill, grind, or shape metal and non-metal materials. Whether utilizing traditional methods or more advanced techniques such as CNC, students are trained to produce machine parts with a high degree of accuracy. Prospective students should possess strong math skills, manual dexterity, mechanical aptitude, and the ability to solve problems.

Certification: NIMS

859 INFORMATION TECHNOLOGY

(3.5 CREDITS/YEAR)

This program is designed for students wishing to pursue a career in this ever-changing and challenging field. Information Technology is an innovative program designed to introduce students to the computer systems and software most commonly used by business. Instruction and hands-on training is provided in all aspects of computers including building, repair and maintenance. Students are also trained in most current Microsoft Office version available, a highly popular software package that includes Word, Access, Excel, and PowerPoint. Students experience programming by maintaining the School's website using HTML and other popular web page editing software. Students are exposed to basic networking and interactive, simulation software is used to prepare students for the A+ Certification test. Students also sit for their IC certification test.

Certification: IC / A Plus

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, soil science and Ag 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.

Certification: Pesticide Application License

857 COSMETOLOGY

(3.5 CREDITS/YEAR)

If you possess creativity, artistic ability, and enjoy working with people, you may want to consider a career in Cosmetology. Our comprehensive program provides you with the tools to become a licensed professional. This specialized curriculum consists of 1,250 hours of instructions required by the Pennsylvania State Board of Cosmetology. Students learn the latest techniques in the care and treatment of hair, skin, and nails. They practice and perfect their skills on mannequins, then advance to performing hair and skin care services on actual customers. The program also offers instruction in salon operation. Prospective students should possess creativity, artistic ability, manual dexterity, physical stamina and good communication skills.

Certification: Cosmetology License

863 CULINARY ARTS

(3.5 CREDITS/YEAR)

There are many career opportunities waiting for you in the ever-growing food service industry. Through classroom theory and hands-on experiences in our fully equipped commercial kitchen and dining room, you'll gain the skills and knowledge needed to be successful in this fast-paced, highly

demanding field. Students learn the basics of food preparation used in most restaurants, banquet facilities, caterers and institutions. Advanced instruction covers specialty and gourmet cooking, menu planning, purchasing, and management. Potential students should possess the ability to work under pressure, physical stamina, and strong organizational and math skills.

Certification: Servsafe

864 COMMERCIAL ART AND DESIGN

(3.5 CREDITS/YEAR)

Commercial Art and Design is the most common way in which the world communicates. This course is designed to prepare students for a career in this high demand field by pairing their creative and artistic talents with different types of media. From creation to production, students learn all aspects of the graphic design world.

Students will be introduced to and develop "hands-on skills" in job planning, introduction to computers, graphic design fundamentals, layout and design, typography, airbrushing, screen printing, cad-cut and heat press transfers, vinyl design graphics, and bindery. Students will also receive basic math and humanities. Desktop publishing and computer graphics have become an essential part of graphic communications. Students will use software applications such as (Adobe Creative Suite CS5) Adobe Photoshop, Indesign, Illustrator, Freehand, and Flexi-sign Pro. Prospective students should possess creativity, good English and spelling skills, good organizational skills, and the ability to pay attention to detail.

Certification: PrintED

865 HEALTH OCCUPATIONS

(3.5 CREDITS/YEAR)

This course is designed to introduce students to a wide paraprofessional career in health occupations. Students are provided technical information and will engage in activities designed to develop practical skills needed in health occupations. Upon completion of this course, students can enter directly into an entry-level position in medical assisting or nurse assisting (with certification as a certified nurse assistant). Students interested in respiratory therapist, physical therapist, and sports medicine will be given the opportunity to participate in a job shadowing experience which entails a structured theory in classroom, and a clinical experience with that particular professional during several workdays. Students interested in continuing their education can choose from a wide variety of health related curriculum 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.

Certification: Certified Nurse Assistant and CPR

CONSTRUCTION/MANUFACTURING

849 ADVANCED MANUFACTURING ACADEMY

(3.0 CREDITS/YEAR)

Prerequisite – Keystone Algebra 1 Exam successfully completed

TECHNICAL MATH (0.5 CREDITS/YEAR)

Interested in Robotics? 3D Printing? Training supported from companies such as Advanced Acoustic Concepts, Boeing, Gerome Manufacturing, Chevron and many more? We have it all. Advanced manufacturers are the people who make and use technology that advances the world we live in. FCCTI's Advanced Manufacturing Academy will appeal to students who want to work with cutting-edge materials and use their knowledge of mathematics and multidisciplinary sciences to create products emerging from new technologies. This program, intended for Juniors and Seniors, is a springboard into many careers or engineering and technical college majors. If you are looking for a way to jumpstart your career, it starts here.

854 BUILDING CONSTRUCTION OCCUPATIONS

(3.5 CREDITS/YEAR)

Building Construction Occupations is a competency based program open to all students in grades 10-12. Skilled building trades mechanics must have a general knowledge of many construction skill areas. Students are given the fundamentals of related math and blueprint reading, which is the basis for all construction trades. Students are also given adequate training time on a variety of construction tools and machinery. A thorough knowledge of hand and power tools is necessary. Personal safety and overall job safety are stressed continually throughout the program.

Prospective students should like to work with their hands and have a desire to work in many of the construction areas.

Certification: NCCER

869 HEATING, VENTILATION, AND AIR-CONDITIONING

(3.5 CREDITS/YEAR)

Skilled HVAC Technicians are in great demand in today's busy building world. Students receiving training at the Fayette County Career & Technical Institute will have a solid entry level base for beginning a career in the HVAC industry. Emphasis on installation, service of residential, commercial, and industrial HVAC equipment will be attained. Also in today's energy efficient buildings it is necessary to maintain a high level of indoor air quality. These techniques will also be learned and practiced.

Certification: NCCER & EPA 608

866 MASONRY

(3.5 CREDITS/YEAR)

Students in the Masonry Program receive instruction in four different areas of the trade. Brick/block laying, stonework, cement finishing, and tilesetting make up the curriculum. Students learn from the ground up, both commercial and residential construction techniques and methods. Many aspects of masonry are covered including: Layout work, pouring footings, and various types of concrete finishes. Students learn the methodology of many types of masonry walls including, but not limited to brick, concrete block, stone and architectural tile in residential and commercial applications. Tile setting includes layout, materials, and mortars for walls and floors.

Certification: NCCER

868 WELDING

(3.5 CREDITS/YEAR)

Skilled welders are in great demand. The Welding Program is designed to educate students to their highest level of competency in the welding field. Any student who works well with their hands, enjoys creating objects and taking pride in accomplishing tasks using their own talents should enjoy welding and working with metals. Upon completion of the three year program, the student will be able to enter the job market with a completers welding certificate, listing all phases of welding they have accomplished. They have an opportunity to enter welding contests sponsored by the American Welding Society and SkillsUSA, and earn a welder's certification. Students who are motivated, have good eye-hand coordination and good vision, with basic math skills should succeed in this program (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 Fayette County CTI 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 Fayette County CTI 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)

FFA (Future Farmers 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.

HIGH SCHOOL COURSE OFFERINGS

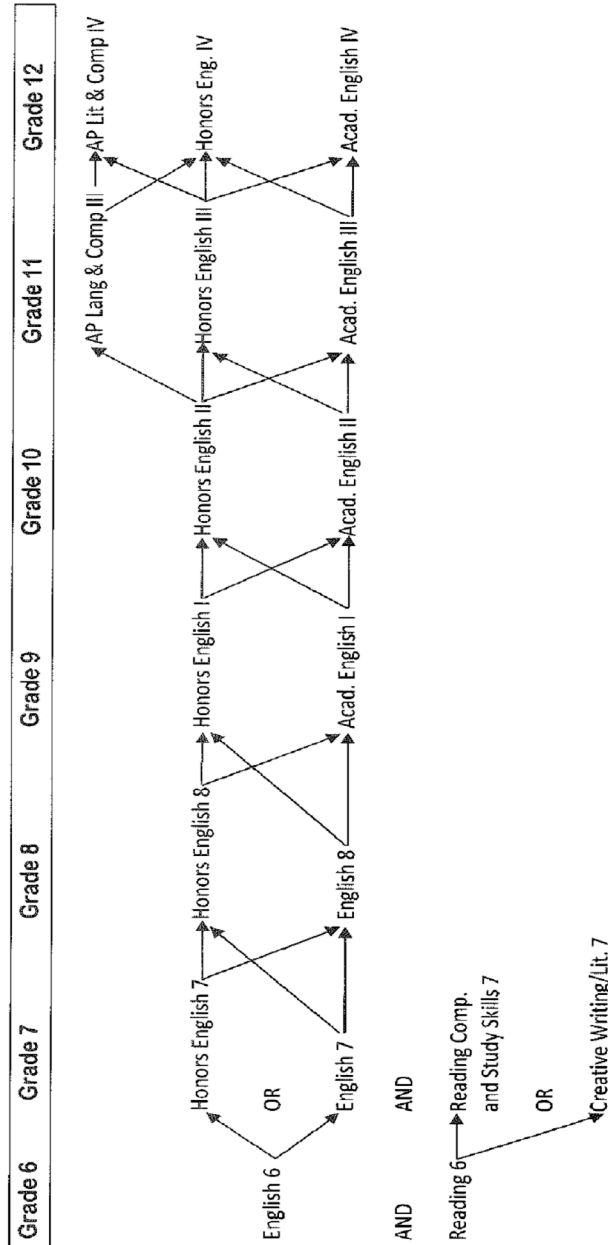
LANGUAGE ARTS

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. **Note: One novel will be required to be read during the summer preceding this course and will be assessed at the beginning of the course as a course test grade.**

LAUREL HIGHLANDS SCHOOL DISTRICT ENGLISH / LANGUAGE ARTS FLOW CHART



Also offered at the Middle School:

*Creative Writing/Literature (6th, 7th, 8th) Are elective courses and prerequisites exist.

*Reading Enrichment in 6th, 7th, and 8th Are elective courses, but in grade 7 & 8 is included as a rotation opposite gym rotation

*Journalism/Broadcasting (8th) Available as an English elective. 5 credit

Also offered at the High School:

*Public Speaking and Debate (Jrs. and Srs.) Available as an English elective at the HS and does not satisfy an ELA graduation requirement.

*Creative Writing (So., Jrs., and Srs.) Available as an English elective at the HS and does not satisfy an ELA graduation requirement.

*Journalism (So., Jrs., and Srs.) Available as an English elective at the HS and does not satisfy an ELA graduation requirement.

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. Summer reading assessments will count as the first test grades of the course.

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. **Note: One novel will be required to be read during the summer preceding this course and will be assessed at the beginning of the course as a course test grade.**

006 HONORS ENGLISH II (Sophomores)**(1 CREDIT)**

Prerequisite: An "A" Average in Academic English I or A/B Average in Honors English I

This challenging course is designed for college bound sophomores. Students will focus primarily on writing skills and proper usage in an advanced format. Liberal amounts of literature, analysis, outside readings, and college-bound vocabulary studies will complement this course. The completion of the 10th grade career paper is required

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.

007 KEYSTONE ELA (Juniors and Seniors)**(0.5 CREDIT)**

Students completing this course will earn 0.5 elective credit but will not receive an English credit for this course.

This course is designed to provide students who have passed English 10 but scored at the basic or below basic level on the Keystone Literature Exam with remediation as preparation for the Keystone Exam retakes. This course will emphasize review and remediation of basic reading and comprehension strategies, the analysis and interpretation of fiction and non-fiction text, Keystone glossary terms, open-ended writing strategies, and test taking strategies.

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. **Note: One novel will be required to be read during the summer preceding this course and will be assessed at the beginning of the course as a course test grade.**

010 HONORS ENGLISH III (Juniors)**(1 CREDIT)**

Pre-requisite- A average in Academic English II or A/B average in Honors English II

This challenging junior course is designed for college bound juniors. The course will focus on enhancing literary analysis through a survey of classic American writing including short stories, poems, plays and non-fiction. Literature is highlighted by critical reviews and analyses that demand outside reading. The course will require multi-paragraph essay in modes including narration, and persuasion. MLA style will be reinforced throughout this course including the completion of a research paper. A focus of this course will include college level vocabulary normally used in the SAT exam.

Summer reading of two novels is also required and will be assessed at the beginning of the course. Failure to complete summer assignments is not an acceptable reason to drop a course in the following school year.

009 ADVANCED PLACEMENT LANGUAGE AND COMPOSITION III (Juniors- A or B average in Honors II)**(1 CREDIT)**

This course is designed to help students hone the writing, reading, and vocabulary skills necessary for college. 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 analyze a variety of non-fiction pieces for rhetorical devices and effectiveness. Students will offer thoughtful and analytical comments on these readings and experiment with writing techniques in their own works. Students must be willing to devote extra time and energy to the rigorous structure of this class.

Note: Two assigned novels will be required summer reading. A summer assignment (related to the summer readings) is required for 4 weeks throughout the month of July. Failure to pass the summer assignments will result in the student being automatically reassigned to the Honors English III 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. **Note: One novel will be required to be read during the summer preceding this course and will be assessed at the beginning of the course as a course test grade. Failure to complete summer assignments is not an acceptable reason to drop a course in the following school year.**

013 HONORS ENGLISH IV (Seniors)**(1 CREDIT)**

Pre-requisite- A average in Academic English III, A/B average in Honors English III, or successful completion of AP Language and Composition III
This challenging course is designed for students interested in fortifying their English language skills in preparation college level work. This course will focus on a survey of British literature by period. Periods will be analyzed in relation to their culture. Analysis and outside readings will be required. Student writing will build sequentially upon literature-based compositions. Public speaking and college level vocabulary development will round out this course. **Summer reading of two novels is also STRONGLY suggested and will be assessed at the beginning of the course. Failure to complete summer assignments is not an acceptable reason to drop a course in the following school year.**

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

Prerequisite: Students must have a "B" or better average in AP Language and Composition III and be recommended by their previous English teacher. This course emphasizes the development of skills in critical reading of literature and in writing about literature and related ideas. Readings will be representative of a variety of genres written from the sixteenth to the twenty-first century and are based on the list of authors recommended by the *AP English Literature and Composition* Description. The course is designed to mirror a college entry literature survey course and a college entry composition course. 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.

Note: Two assigned novels must be read during the summer, and students are expected to complete a project on the two novels upon their return. Failure to complete summer assignments is not an acceptable reason to drop a course in the following school year.

014 PUBLIC SPEAKING AND DEBATE (Juniors and Seniors)**(1 CREDIT)**

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

This course is intended for Academic Arts and Honors students who wish to develop and refine their speaking and presentation-making skills.

Offered through the University of Pittsburgh's College in High School program, students can earn three college credits for successful completion of the course along with a "C" average or above. The cost is approx. \$245. The course will focus on organization skills, logic, manuscript preparation and criticism. Students will perform dramatic interpretations, engage in in-class debates, compete in mock trial cases, practice role-playing activities as well as the opportunity to debate in a civic forum. This course may not be repeated.

015 CREATIVE WRITING (Sophomores, Juniors and Seniors)**(1 CREDIT)**

Prerequisite: Students must have passed their previous year's English class with a satisfactory performance or they must submit a written sample of creative writing for evaluation.

Creative Writing is a one credit elective course open to all students in their sophomore, junior, and senior year who have an interest in creative expression and bodies of work. The Creative Writing course will be guided by day to day instruction followed by workshop writing. Students will also participate in the creation and publication of *Adoxography*, the literary magazine. Creative Writing is an open-forum class, where a community of writers and readers gather to write, share, and improve their creative work. Preference will be given to upperclassmen.

016 JOURNALISM (Sophomores, Juniors and Seniors)**(0.5 CREDIT)**

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

Be a part of the *Mustang Round-up* and enter the exciting world of journalism. Students will develop interviewing, reporting, broadcasting, editing and publishing skills to cover national, local and especially high school news. Working in conjunction with video production students and utilizing the new One-Touch studio, students will create a variety of project-based activities. Writing, public speaking and presentation making are all vital components to the course as well. Students will publish work through our class YouTube channel, *Mustang Express*.

017 MOCK TRIAL (Sophomores, Juniors, and seniors)**(0.5 CREDIT)**

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

Future lawyers, judges, cops, politicians, actors and actresses are all encouraged to explore the justice system and participate in this unique class. This class is structured to teach students law and government before participating in a mock trial. Students will develop presentation-making and role-playing skills and will learn essential argumentation, refutation and persuasive techniques designed to advance claims and appease audiences. Some after-school participation may be required if the class enters the state-wide competition.

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, completion tests, 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, 87% 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, "87%" 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.**

113 AP HUMAN GEOGRAPHY (Seniors)

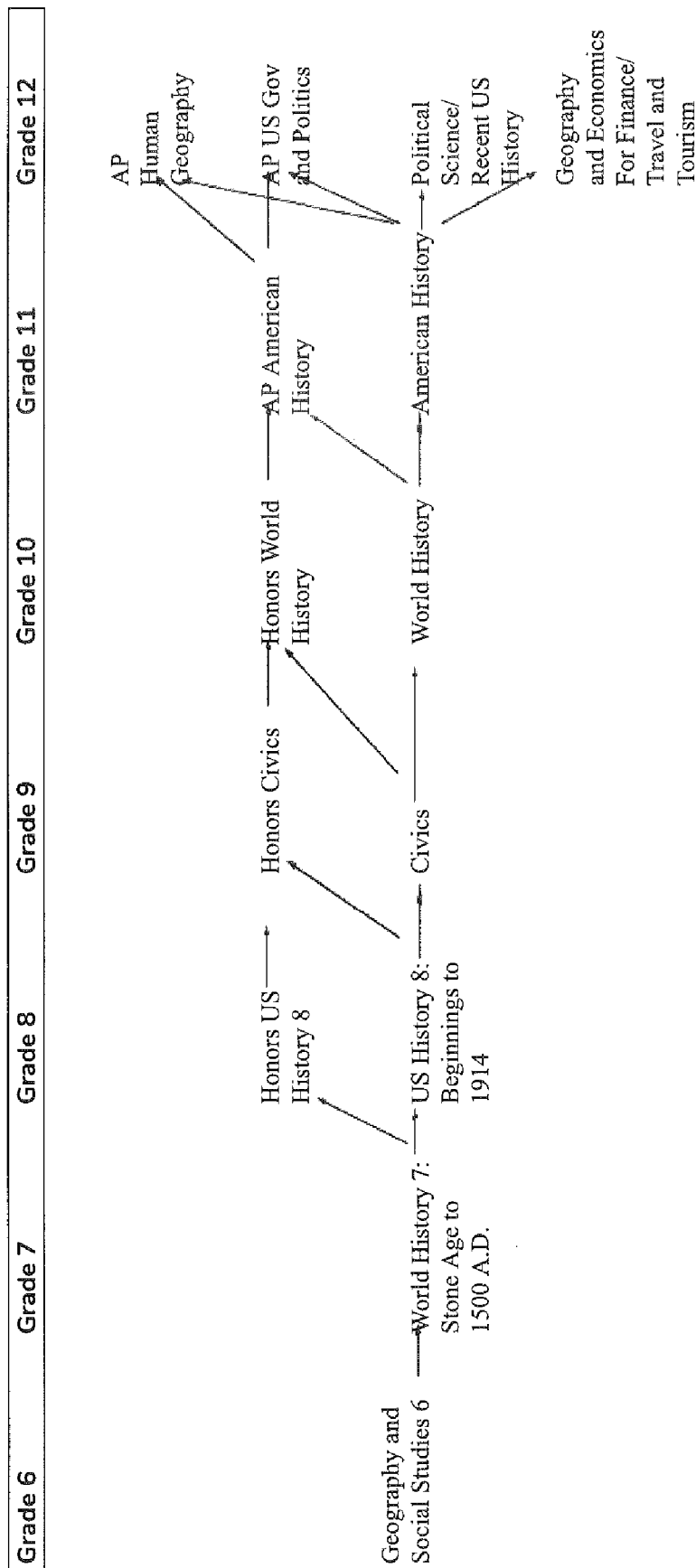
(1 CREDIT)

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

This is a year long course that introduces students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of the Earth's surface. Students employ spatial concepts and landscape analysis to examine socioeconomic organization and its environmental consequences. They also learn about methods and tools geographers use in research and applications. The curriculum reflects the goals of the National Geography Standards. (This course does satisfy the Grade 12 Social Studies graduation requirement)

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.

LAUREL HIGHLANDS SCHOOL DISTRICT
SOCIAL STUDIES FLOW CHART



Please Note: * *Psychology and AP Psychology (11th/12th) May satisfy "1" of the "4" Social Studies graduation credit requirement.*
 * *Geography and Economics for Finance/Travel and Tourism (Seniors) Is also available as a Social Studies elective and does satisfy a graduation requirement.*
 * *Contemporary Domestic Issues is available as a Social Studies elective and does not satisfy a graduation requirement.*

126 PSYCHOLOGY (Juniors and Seniors)

(1 CREDIT)

(This course does satisfy the Senior Social Studies graduation requirement – prior to Senior year, this course will count as an elective.)

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.

130 ADVANCED PLACEMENT PSYCHOLOGY (Juniors and Seniors)

(1 CREDIT)

Prerequisite: Honors World History or AP American History (87% or better/teacher recommendation)

(This course does satisfy the Senior Social Studies graduation requirement– prior to Senior year, this course will count as an elective.)

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.**

132 CONTEMPORARY DOMESTIC ISSUES (Freshmen, Sophomores, Juniors and Seniors)

(0.5 CREDIT)

(This is an elective course that 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.

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

200 ALGEBRA A (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 Keystone applications are stressed.

201 ALGEBRA B (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.

203 CONCEPTS OF GEOMETRY (Formerly Geometry 11/12) (Juniors and Seniors)

(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. **Students who have already taken and passed Geometry or a higher math course will not receive credit for this class.**

204 KEYSTONE ALGEBRA (Freshmen, Sophomore, Juniors, and Seniors)

(0.5 CREDIT)

Students completing this course will earn 0.5 elective credit but will not receive a math credit for this course.

Course includes a review of the algebra skills necessary to be successful on the Algebra Keystone Exam. Students not passing the Algebra Keystone will be assigned to this course in the following year.

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. ****Students who have passed Geometry or Algebra II will not receive a credit towards graduation for this class.**

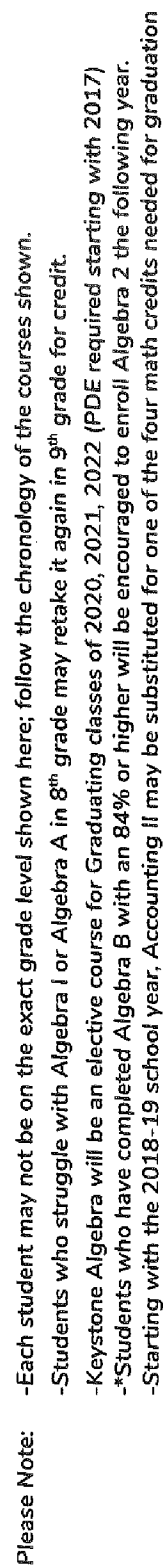
207 ALGEBRA II (Freshmen, Sophomores, Juniors, Seniors)

(1 CREDIT)

Prerequisite: Algebra I

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 with a C or above average.

Grade 6	Grade 7	Grade 8	Grade 9	Grade 10	Grade 11	Grade 12
---------	---------	---------	---------	----------	----------	----------



208 HONORS ADVANCED ALGEBRA (Sophomores)

(1 CREDIT)

Prerequisite: "B" or better in Honors Geometry

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.

209 GEOMETRY (Sophomores, Juniors, Seniors)

(1 CREDIT)

Prerequisite: Pass Algebra II 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 II 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, and analyzing data.

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 Algebra II, Geometry and 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 \$245, through the College in High School Program.

215 CALCULUS (Seniors)

(1 CREDIT)

Pre-requisite: "B+" or better in Honors Functions/Trigonometry /Pre-Calculus and "B" in Honors Adv. Algebra 10, or 90%+ in Algebra II, Geometry and 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.

216 CONSUMER MATHEMATICS (Seniors)

(1 CREDIT)

Pre-requisite: (Must have taken Algebra A, Algebra B, and Concepts of Geometry)

This course is a three-part program that takes students from basic math concepts to sophisticated financial strategies. The material will be presented in a personal, practical style students will instantly recognize as relevant to their lives. In addition to mathematics, the course teaches workplace essentials such as reading and language arts, as well as foundation skills such as critical thinking and problem solving. The lessons, workshops, and activities in Consumer Math compromise a well-rounded program that will help prepare all students for success in work and in life.

A TI-30XIIS calculator will be essential for success in the course.

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 \$245 through the College in High School Program of the University.

220 CODING/INTRO TO COMPUTER SCIENCE (Juniors and Seniors)

(1 CREDIT)

This course provides an introduction to object-oriented computer programming and computer operations for students that have no previous experience. Students will be introduced to the basics of understanding, designing, implementing, and testing computer programs to perform various tasks. Students will learn primarily using the Alice programming language developed by Carnegie Mellon University. Later in the year, the students will adapt what they have learned to begin programming in the popular Java language.

SCIENCE

300 BIOLOGY 9 (Freshmen)

(1 CREDIT)

Biology 9 is introductory course to the basic biological principles such as the scientific method and evolutionary processes. It emphasizes cellular structure, function, environmental, ecological principles, and basic bioenergetics. This course will include hands on lab activities to enhance the course concepts.

303 BIOLOGY 10 (Sophomores)

(1 CREDIT)

Prerequisite: Biology 9

Biology 10 expands the scope of the biological principles covered in Biology 9. Biology 10 emphasizes the cell cycles, basic genetics concepts, homeostasis processes, cellular transport and advanced bioenergetics concepts. This course will include hands on lab activities to enhance the course concepts. The Biology Keystone Exam will be taken at the end of this course.

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. The Biology Keystone Exam will be taken at the end of this course.

304 KEYSTONE BIOLOGY (Juniors/Seniors)

(0.5 CREDIT)

Students completing this course will earn 0.5 elective credit but will not receive a Science credit for this course.

All students graduating from Laurel Highlands High School must display proficiency in the Keystone Biology Assessment administered during their sophomore year. Students failing to score at the Proficient or Advanced Level will be scheduled for this class and must participate in the Keystone retest in January. 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 biology concepts using problems similar to those included on the Keystone test. Specific instructions, assessments, and diagnostics for each standard are addressed.

306 ENVIRONMENTAL SCIENCE (Sophomores, Juniors and Seniors)

(1 CREDIT)

This course looks at how a healthy environment is a balanced system of interacting parts and presents biological and chemical concepts that affect the environment. Focus will be on human interaction with the environment and how we have impacted the world around us. Topics covered will include ecology, natural resources, populations, energy, waste and waste management. It emphasizes problem solving, decision making, and scientific method of inquiry using laboratory procedures.

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.

LAUREL HIGHLANDS SCHOOL DISTRICT
SCIENCE FLOW CHART

Grade 6	Grade 7	Grade 8	Grade 9	Grade 10	Grade 11	Grade 12
						Anatomy/ Physiology
						Honors Organic Chemistry
						AP Physics
					Honors Physics	Honors Physics
				Physics	Physics	Physics
					AP Chemistry II/ Lab	AP Chemistry II/ Lab
				Honors Chemistry	Honors Chemistry	Honors Chem.
				Chemistry	Chemistry	Chemistry
					AP Biology/Lab	AP Biology/Lab
				Human Biology	Human Biology	Human Biology
				Environmental Science	Environmental Science	Environmental Science
				Biology 10	Environmental Science	Environmental Science
Science 6	Science 7	Science 8	Biology 9	Biology 10		

Please Note: Students will be required to adhere to the prerequisites listed in the high school curriculum guide for several courses.

4/17/2018

308 CHEMISTRY (Sophomores, Juniors, Seniors)

(1.0 CREDIT)

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 (Juniors and Seniors)

(1 CREDIT)

Prerequisites: Algebra I, II, and Geometry. Note: Students should schedule Physics and Trigonometry in 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.

Honors Physics covers several areas describing the world in which we live. Force and motion, inertia and momentum, work, energy, and power, waves and sound, light and optics, electricity and magnetism, atomic and nuclear theory are all covered during the year. The course content is supported with classroom demonstrations, multimedia presentations, student labs, and practice in problem solving. This course is intended to provide students with the solid high school background in Physics that **most colleges expect** of their incoming freshmen. **(Students who have completed course number 314 Physics may schedule course number 309 Honors Physics 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: A- or better in Honors Chemistry or teacher recommendation and currently enrolled in Honors Trigonometry / Pre-Calculus. **A summer review packet will be assigned in May to perspective students. Failure to complete the summer assignment is not an acceptable reason to drop a course in the following school year.**

This course is designed for the student who plans a career in a science related field such as medicine, pharmacy, dentistry, or engineering. AP Chemistry is essentially a first-year college chemistry course which is required by many majors. Topics include Reactions, Stoichiometry, Thermodynamics (including Entropy), Bonding, Liquids & Solids, Colligative Properties, Kinetics, and Electrochemistry. A large focus is also applied to Gaseous, Acid/Base, and Precipitation Equilibria. Basic principles of Organic Chemistry are introduced at the end of the course. Students may take the AP Chemistry Exam in the spring for possible college credit. This course is also part of Dual Enrollment programs with St. Francis University and Mount Aloysius College. Students will have the option to earn four college credits at a reduced cost through either institution.

311 AP PHYSICS (Seniors)

(1 CREDIT)

Prerequisites: The student enrolling in this course should have previously taken Honors 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 Honors 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, Engineering, or Medical related area in college. 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.

Students taking AP Physics may also receive 4 college credits through the University of Pittsburgh "College in High School" program. The teacher will explain the associated minimal fees (approx. \$245) at the beginning 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 (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.

A summer review packet will be assigned in May to prospective students. Failure to complete the summer assignment is not an acceptable reason to drop a course in the following school year.

314 CONCEPTUAL PHYSICS (Sophomores, Juniors, and Seniors)

(1 CREDIT)

Prerequisite: Algebra I or Algebra A and Algebra B, "C" or better

Students enrolled in the academic curriculum and considering going on to post-secondary education should take this course as an introductory-level Physics course. The course is designed to develop a conceptual understanding of Physics concepts that range from classical to contemporary, is taught through lecture, demonstrations, videos, activities and projects, and is designed to allow students to observe and predict interactions in the world around them while developing critical thinking and analytical skills. **(This course was created to act as a non-required but suggested precursor**

for 309 Honors Physics which can be taken for science credit the following year. Students taking 314 Conceptual Physics as their only Physics course should be aware that this level of Physics is below the recommended level of preparation for any major that requires a Physics course at the collegiate level.)

316 HONORS CHEMISTRY (Sophomores, Juniors, and Seniors)

(1 CREDIT)

Prerequisite: B or better in Honors Biology Algebra II or Honors Geometry – and 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, medicine, or a related field. Topics to be covered are measurement, atomic theory, formulas, nomenclature, reactions, solutions, stoichiometry, and gas laws. Basic laboratory practices will also be demonstrated.

318 HONORS ORGANIC CHEMISTRY (Seniors)

(1 CREDIT)

Prerequisite: Honors Chemistry and AP Chemistry or AP Biology

This course is designed to provide a fundamental overview of organic chemistry to students interested in pursuing a career in the sciences. Upon successful completion of this class, students will understand the chemistry of carbon-containing compounds. Topics will include structure, nomenclature, reactions, and properties of the major classes of organic compounds. An important aspect of any chemistry class is laboratory experience. Students will participate in labs in which they will safely perform a variety of experiments and utilize technology to write formal lab reports in preparation for higher education science courses.

***This course serves as an advanced science elective. Success in this course relies heavily upon knowledge acquired in previous Chemistry courses. This knowledge will be assumed, and the course will be conducted as a college-level experience.**

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) (3 days/cycle)

(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) (3 days/cycle)

(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 Aquatics Course.

408 PERSONAL FITNESS (Juniors and Seniors) (3 days/cycle)

(0.5 CREDIT)

Pre-requisite: Course 405 P.E. B/G and INSTRUCTOR APPROVAL

(This course counts as a PE credit towards graduation requirements)

This course is designed to educate students on lifetime personal fitness principles and practices with an emphasis on the health-related components of physical fitness. Although this course is considered an activity course, some classroom work on specific fitness concepts will be carried out as well. The

ratio of physical activity to classroom work will be approximately 80:20. Some key concepts covered in this course may include, but are not limited to: identifying and applying the health-related components of fitness, how to assess and track your personal fitness levels, understanding lifestyle changes that may be necessary in an effort to achieve optimal wellness, developing and implementing a personal fitness program to address each of the 5 health-related fitness components, learning proper training principles in each component area, differentiating between different training strategies, as well as other underlying wellness principles such as proper dieting and training recovery.

410 HEALTH B/G (Sophomores, Juniors, and Seniors) (3 days/cycle) (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 to 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) (3 days/cycle) (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.

Kinesiology does not satisfy a PE requirement.

416 FIRST AID/CPR/AED (Freshmen, Sophomores, Juniors and Seniors) (3 days/cycle) (0.5 CREDIT)

Designed to prepare students to provide first aid, cardiopulmonary resuscitation (CPR), and automated external defibrillator (AED) use in a safe, timely, and effective manner. The course goals include cognitive and psychomotor objectives. Topics covered in the course may include, but are not limited to:

CPR/AED Topics - 1 or 2 Rescuer CPR, Mouth to Mask, Bag Valve Mask, Mouth to Mouth, Hands Only CPR, Automatic External Defibrillator (AED for adult, child and infant), Rescue Breathing, Advanced Airway Breathing and Choking (adult, child, and infant)

First Aid Topics - Basic Life Support, Acting in an Emergency, Check the Victim, Recovery Position, Shock, Bleeding and Wound Care, Snake Bites, Spider Bites, Burns, Serious Injuries, Bone, Joint, and Muscle Injuries, Sudden Illness, Poisoning, Cold and Heat Emergencies, Rescuing and Moving Victims, Hand Washing, Glove Removal, and Asthma. Students may choose to pay for AHA certification at the end of the year. **FIRST AID/CPR/AED does not satisfy a PE requirement.**

423 ADAPTIVE P.E. B/G (Freshmen, Sophomores, Juniors and Seniors) (3 days/cycle) (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: C or better in FRENCH I and teacher recommendation

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: C or better in FRENCH II and teacher recommendation

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 HONORS FRENCH IV (Juniors)**(1 CREDIT)**

Prerequisite: B or better in FRENCH III

Students in Honors French IV continue to expand their cultural awareness and reading skills by reading excerpts from various sources including classic French literature. Writing skills are also emphasized as increasingly sophisticated grammatical structures are introduced and reviewed. Speaking and listening skills are also enhanced in Honors French IV through various exercises intended to increase language proficiency. This course provides an in-depth introduction to literature, culture and art, and provides a smooth transition to the Level V Advanced Placement Course. Dual Enrollment opportunity is available for this course. Please see the Dual Enrollment Link on the district's website.

505 AP FRENCH V (Seniors)**(1CREDIT)**

Prerequisite - B or better in FRENCH IV and instructor's recommendation

In Advanced Placement French V, students will continue to practice speaking, reading, writing, and listening skills in French. In order to prepare students for the AP French Language and Culture Exam, the course will include the six AP themes (Global Challenges, Science and Technology, Contemporary Life, Personal and Public Identities, Families and Communities, Beauty and Aesthetics), as well as the three modes of communication (Interpersonal, Interpretive, Presentational). Students will continue to build on previous knowledge of French and add to their mastery of the language. Students will complete exercises to analyze complex grammar points, answer open-ended questions, complete presentations, and analyze literature through famous French pieces of literature. Students who successfully complete the May examination can earn up to twelve college credits in French depending on the college of their choice. A summer assignment may be required of the students. Bienvenue et venez nombreux! Dual Enrollment opportunity is available for this course. Please see the Dual Enrollment Link on the district's website.

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 HONORS SPANISH IV (Juniors)**(1 CREDIT)**

Prerequisite: Spanish I, II & III

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. 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. A summer assignment may be required of the students. Dual Enrollment opportunity is available for this course. Please see the Dual Enrollment Link on the district's website.

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

Prerequisite: Spanish IV

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. Dual Enrollment opportunity is available for this course. Please see the Dual Enrollment Link on the district's website.

513 DESTINATIONS (Freshmen, Sophomores, Juniors, and Seniors)

(1 CREDIT)

This class will be taught in English. Students will generate a list of topics of destinations they would like to explore. Students may recommend specific destinations or activities. Day 1 we will research the topic or destination. Day 2 we will discuss the most interesting points. Day 3 will be the unit assessment. Assessments may include mini-presentations, quizzes, games, projects or other activities. Student input will greatly drive the topics covered in this class.

BUSINESS**609 SOFTWARE APPLICATIONS** (Freshmen, 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 includes a "real-life" accounting business simulation. Incorporate the use of technology to include: Mimio Studio Technology, Voicethread, PowerPoint, Prezi, and the student response clickers.

613 ACCOUNTING II (Juniors and Seniors)

(1 CREDIT)

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

(May be substituted for senior Math credit senior by members of NAF Finance Academy)

(Dual Enrollment/College Credit Option)

The advanced course in accounting expands on topics learned in the first-year accounting course to include the accounting for a corporation. 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. A simulation will be used to gain practical accounting experience as well. Incorporate the use of technology to include: Mimio Studio Technology, Voicethread, PowerPoint, Prezi, and the student response clickers.

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/YEARBOOK (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.

621 LIFE AFTER HIGH SCHOOL (Sophomores, Juniors and Seniors)

(0.5 CREDIT)

(Formerly called College and Careers)

Welcome to Life After High School! This course was designed to successfully transition students from high school to post-secondary school. Students enrolled in this course will be given strategies for effective time management, study skills, goal setting, organizational techniques, communication skills, financial planning and technological skills that will aid them on their path to post-secondary education. Additionally, Life After High School students will embark on a self-discovery mission to uncover personal values, goals, and attributes that will shape decisions when choosing a program of study for post-secondary schooling. Furthermore, each student will conduct career and college research to facilitate their career plan. Students will fill out applications, create resumes, participate in interviews, and attend a career fair to allow them to anticipate the requirements and necessities for their success in their desired field.

650 INTRODUCTION TO FINANCE (Freshmen, Sophomores, Juniors, and Seniors)

(1 CREDIT)

Open to all students, 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. Incorporate the use of technology to include: Mimio Studio Technology, Voicethread, PowerPoint, Prezi, student response clickers, and internet research. Consistent attendance is mandatory.

651 BANKING, CREDIT, AND FINANCIAL PLANNING (Sophomores, 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 paid summer internship with a local Academy business partner. Incorporate the use of technology to include: Mimio Studio Technology, Voicethread, PowerPoint, Prezi, student response clickers, and internet research. 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 BUSINESS CONCEPTS FOR HOSPITALITY AND TOURISM (Sophomores)

(1 CREDIT)

PREREQUISITES: 2.0 GPA and true Sophomore standing

Course Description: This course will acquaint the students with various business aspects associated with the hospitality and tourism industry. The topics will include the business of tourism, the economics and the impact of tourism, the business market, and career explorations. Students will also receive 'Strategies for Success' to prepare them for post-secondary education and/or the job market, to develop their interpersonal skills, and to guide them in their career development. Numerous opportunities will be provided for students to experience a hands-on learning approach as well as opportunities to apply their acquired business skills. Consistent attendance is mandatory. *This course is a prerequisite for 662 Sports, Events, and Entertainment Management.*

662 SPORTS, EVENTS, AND ENTERTAINMENT MANAGEMENT

(1 CREDIT)

PREREQUISITE: Juniors in the Academy of Hospitality and Tourism only and a 75% final average in 660 Business Concepts for Hospitality and Tourism

Course Description: Management skills applicable to real-world situations will be presented with an emphasis on sports, events, and entertainment planning. Students will be introduced to event planning and facility and event management through a virtual simulation program. 'Strategies for Success' concepts will include resume writing, interview skills, and soft skills. Enrichment will be provided through relevant field trips and guest speakers. Concepts taught in this course parallel management concepts taught in many first-year college courses. Consistent attendance is mandatory as many lessons cannot be repeated or retaught. *This course is a prerequisite for 663 Resorts Management and Operation.*

663 RESORTS MANAGEMENT AND OPERATION

(1 CREDIT)

PREREQUISITE: Seniors in the Academy of Hospitality and Tourism only and a 75% final average in

662 SPORTS, EVENTS, AND ENTERTAINMENT MANAGEMENT

Course Description: Unit 1 will provide an overview of the infrastructure of the hospitality industry including an in-depth study of departments and related careers with in the lodging industry. Unit 2 will explore resort management and operation based on three areas: (1) The relationship between the natural resource base and the recreational facilities developed from that base; (2) The features unique to a resort as compared to a

traditional hotel; and (3) 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 unless enrolled in AFJROTC. 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, and survival.

- Leadership Education offers cadets opportunities to shape their character. Cadets learn about character development and elements of good citizenship.
- 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. Courses will not be repeated in a cadets' high school career with the exception of Summer Leadership.

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

(Offered during School Year 2021-2022) (1 CREDIT)

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.

680 AFJROTC: LEADERSHIP EDUCATION I / AVIATION HISTORY / WELLNESS

(Offered during School Year 2018-2019) (1 CREDIT)

This course provides cadets a basis for 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.

683 AFJROTC: LEADERSHIP EDUCATION IV / SURVIVAL / WELLNESS

(Offered during School Year 2019-2020) (1 CREDIT)

This course provides exposure to the fundamentals of management. The course contains many leadership topics that will benefit students as well as provide them with some of the necessary skills needed to put into practice what they have learned during their time in AFJROTC. This final course, coupled with what cadets have already learned during their time in AFJROTC, will equip them with the qualities needed to serve in leadership positions within the corps. Throughout the course are many ethical dilemmas, case studies, and role play activities built into the lessons. These activities are based on real life experiences and will allow students the opportunity to practice what they learn by getting involved in discussions and expressing their opinions. The Survival portion of this course is a synthesis of the basic survival information found in Air Force Regulation 64-4 *Survival Training*. The survival instruction will provide training in skills, knowledge, and attitudes necessary to successfully perform fundamental tasks needed for survival. Survival also presents "good to know" information that would be useful in any situation. The information is just as useful to an individual lost hunting or stranded in a snowstorm. Course objectives include knowing the elements of surviving, knowing how medicine procedures, clothing, and shelter can provide personal protection for a survivor in a survival situation, knowing the necessities for maintaining life in a survival situation and knowing how to travel and prepare for recovery in a survival situation.

682 AFJROTC: LEADERSHIP EDUCATION III / EXPLORING SPACE / WELLNESS

(Offered during School Year 2020-2021) (1 CREDIT)

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

687 AFJROTC SUMMER LEADERSHIP I: Staff Training. (Grades 10-12). (0 Credit)

This week-long, optional course is designed to orient 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. 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 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.

689 AFJROTC ADVANCED DRILL: (Open to Grades 9-12) (0 Credit)

This course is designed for members of the AFJROTC Drill Team and Color Guard. The competition begins with an Advanced Drill Camp typically held two weeks before school starts. During the school year, rehearsals and practices are normally held from 2:30 pm to 4:00 pm after school meet twice a week. Frequency may increase just prior to a competition. The Drill Team and Color Guard competes at various events throughout the school year. The Color Guard also performs at each home football game, other select athletic events, and school board meeting.

TECHNOLOGY EDUCATION

670 INTRO TO INFORMATION TECH/ COMPUTER HARDWARE TECH (Fresh., Soph., Jrs. , and Seniors) (1 CREDIT)

Prerequisite: none

In the Intro to Information Technology/ Computer Hardware Technology 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. 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. Finally, the students will learn basic computer programming through the use of ALICE programming software. Consistent attendance is mandatory.

701 DIGITAL COMMUNICATIONS (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 COMMUNICATIONS 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 (Junior and 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 (POE) (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 & DEVELOPMENT (EDD) (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 (CEA) (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 COMMUNICATIONS II (Sophomores, Juniors and Seniors) (1 CREDIT)

Prerequisite: DIGITAL COMMUNICATIONS 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 (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 (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 (IED) (Freshmen, 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.

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. This class will help students recognize their goals concerning careers, relationships, and have a better understanding of banking, credit, loans, and money management. Providing knowledge in the area of family relationships, responsibilities, and communication is also incorporated into this course. 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 the emphasis on food safety and sanitation. The course stresses the importance of making healthful life choices to achieve overall wellness. Career opportunities in food and nutrition and current developments in food technology are included in the course of study. Students will work with partners to experience food labs while learning various food preparation techniques.

805 HUMAN DEVELOPMENT AND FAMILY STUDIES (Sophomores, Juniors, and Seniors) (1 CREDIT)

This course focuses on child development theories, principles, and practices, including prenatal development, preparation for birth, and the birth process. One semester of the course addresses the knowledge, skills, attitudes, and behaviors essential to promoting the healthy physical, mental, and social-emotional development of infants, toddlers, preschoolers, and school-age children. Students will be made aware of the immense responsibilities involved in parenting including socialization, nurturance, guidance and discipline. To reinforce learning, simulator dolls will be used. To successfully pass this course, students must participate in and pass the "Baby Think It Over" Project. The student will be responsible for and a fee will be assessed for any damage that occurs as a result of abusive handling or the loss of the manikin. The current replacement cost for the simulator doll is \$305.

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

(0.5 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.

ACADEMY OF FINE ARTS**DIVISION OF ART – Mr. DeFazio****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.

ART 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.****

ART 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.****

ART 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.****

DIVISION OF MUSIC – Mr. Santore & Mrs. Stewart**MUS 810 CHORALE CHOIR** (Freshmen, Sophomores, Juniors, and Seniors)

(1 CREDIT)

810A CHORALE CHOIR (Freshmen, Sophomores, Juniors, Seniors) (3 days / week)

(0.5 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 and graded.

MUS 812 CHAMBER CHOIR (Sophomores, Juniors, and Seniors) **Pre-requisite: Audition** ***HONORS LEVEL COURSE** (1 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 and graded.

MUS 821 SYMPHONIC BAND (Freshmen, Sophomores, Juniors, Seniors)

(1 CREDIT)

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

(0.5 CREDIT)

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.****

MUS 824 JAZZ ENSEMBLE (Sophomores, Juniors, Seniors) **Pre-requisite: Audition *HONORS LEVEL COURSE** (1 CREDIT)

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 course will also incorporate the use of technology through MacBooks using software titles such as Wikis, GarageBand, Sibelius, Musition, Auralia, and iMovie. **This class can be repeated for credit with instructor and principal approval. MacBooks using software titles such as Wikis, GarageBand, Sibelius, Musition, Auralia, MS Word, and iMovie. All rehearsals/classes and performances are graded using a proficiency rubric system.

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

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

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. ALL rehearsals and performances count as graded assignments. **This class can be repeated for credit with instructor and principal approval.**

MUS 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. This course will also incorporate the use of technology through MacBooks using software titles such as Wikis, GarageBand, Sibelius, Musition, Auralia, MS Word, iWeb, and iMovie. 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.

MUS 827 AP MUSIC THEORY (Juniors and Seniors) (1 CREDIT)

Pre-requisite: MUS 811 MUSIC THEORY & TECHNOLOGY and/or INSTRUCTOR APPROVAL

This course focuses on more advanced concepts in music theory carried over from Music Theory & Technology. 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.

MUS 825 INTRO TO GUITAR & MUSIC TECHNOLOGY (Freshmen, Sophomores, Juniors, and Seniors) (0.5 CREDIT)

This course is designed for the student who has no prior guitar training and is interested in technology. ***Students must provide their own acoustic guitar.*** Students will learn the parts of the guitar, basic tuning, chords, plucking melodies, music notation and picking techniques. This course will also incorporate the use of technology through MacBooks using software titles such as Wikis, GarageBand, Sibelius, Musition, Auralia, MS Word, iWeb, and iMovie. All rehearsals/classes and performances are graded using a proficiency rubric system.

MUS 826 APPLIED MUSIC (Juniors & Seniors) (1 CREDIT)

Pre-requisite: Audition / Interview with High School Music Faculty & Approved Private Lesson Instruction

This course is designed for students seeking personal and professional growth on their principal instrument and wishing to pursue music as a career in college. Applied Music offers students private study, research, and practice on their principal instrument. The student will be assigned one (1) 45 minute practice period each day, take sixteen (16) thirty-minute private music lessons during each semester from an approved instructor, prepare two solo works appropriate to the student's instrument and level of contrasting style, prepare a written paper on the selected solos, their style, or composer and perform both a jury of the high school music faculty and two (2) public recitals. **This class can be repeated for credit with instructor and principal approval.**

MUS 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 Wednesday 6:00PM-8:30PM & Thursday 2:45PM – 5:00PM during football season. 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, Kenneywood 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 ensemble 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

DIVISION OF THEATRE – Mrs. Stewart

THE 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 and graded.

THE 816 ADVANCED THEATRE (Sophomores, Juniors, and Seniors)

(1 CREDIT)

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

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 and graded.

GRADUATION REQUIREMENT

907 FRESHMAN SEMINAR (Freshmen)

(0.5 CREDIT)

Freshman Seminar is a required course for all ninth grade students not enrolled in AFJROTC. 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.

DRIVER'S EDUCATION

Currently, the Laurel Highlands High School offers two driver's education courses three to four times a school year (depending on instructor availability and student need). Please Mr. Smith in Room 1007 for course schedule and to sign up.

909 DRIVER'S EDUCATION THEORY (Sophomores, Juniors, and Seniors)

(0.3 CREDIT)

The course consists of 30 hours of classroom instruction and is a prerequisite of behind the wheel driving. The course will be offered after school and on weekends. Credit of 0.3 will be awarded upon successful completion of this class.

*The cost for the course is \$50 and must be paid at the start of the class.

910 DRIVERS BEHIND THE WHEEL (Sophomores, Juniors, and Seniors)

(0 CREDIT)

Essentially 10 hours of in the car experience (at least 5 hours have to be driving and at least 5 hours can be observing). There is no credit issued for this course. *The cost of the course is \$50 and must be paid at the start of the course.

*If students register for both courses, the total cost will be \$100. Checks should be made to **Laurel Highlands School District**. Any student wishing to enroll in either course should contact their assigned guidance counselor.*

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 A - INCLUSION

(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 Keystone applications are stressed.

914I ALGEBRA B - INCLUSION

(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.

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 9 - INCLUSION

(1 CREDIT)

Biology 9 is introductory course to the basic biological principles such as the scientific method and evolutionary processes. It emphasizes cellular structure, function, environmental, ecological principles, and basic bioenergetics. This course will include hands on lab activities to enhance the course concepts.

929I BIOLOGY 10 - INCLUSION

(1 CREDIT)

Prerequisite: Biology 9

Biology 10 expands the scope of the biological principles covered in Biology 9. Biology 10 emphasizes the cell cycles, basic genetics concepts, homeostasis processes, cellular transport and advanced bioenergetics concepts. This course will include hands on lab activities to enhance the course concepts. The Biology Keystone Exam will be taken at the end of this course.

916I ENVIRONMENTAL SCIENCE - INCLUSION

(1 CREDIT)

This course looks at how a healthy environment is a balanced system of interacting parts and presents biological and chemical concepts that affect the environment. Focus will be on human interaction with the environment and how we have impacted the world around us. Topics covered will include ecology, natural resources, populations, energy, waste and waste management. It emphasizes problem solving, decision making, and scientific method of inquiry using laboratory procedures.

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 - INCLUSION

(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 - INCLUSION

(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 (Offered 2021-22)

(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 - INCLUSION

(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 (Offered 2018-19)

(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 - INCLUSION

(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 (Offered 2019-20)**(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 - INCLUSION**(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 (Offered 2020-21)**(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 - INCLUSION**(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 and writing skills. Students will read fiction and nonfiction literature to improve comprehension and decoding skills. Vocabulary, grammar, sentence structure and paragraph development are stressed..

925I ACADEMIC ENGLISH I - INCLUSION**(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.

926I ACADEMIC ENGLISH II - INCLUSION**(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.

927I ACADEMIC ENGLISH III- INCLUSION**(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.

928I ACADEMIC ENGLISH IV- INCLUSION**(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.

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)**

Students will be assisted in completing senior project graduation requirements. They will also read fiction and nonfiction literature to improve comprehension and decoding skills. Vocabulary, grammar, and composition skills are stressed.

946I ALGEBRA I**(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. **Students who have passed Geometry or Algebra II will not receive a credit towards graduation for this class.

949I CONCEPTS OF GEOMETRY 12 (Junior and Seniors)

(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. **Students who have already taken and passed Geometry or a higher math course will not receive credit for this class.**

950I CONSUMER MATH INCLUSION (Junior and Seniors)

(1 CREDIT)

This course is a three-part program that takes students from basic math concepts to sophisticated financial strategies. The material will be presented in a personal, practical style students will instantly recognize as relevant to their lives. In addition to mathematics, the course teaches workplace essentials such as reading and language arts, as well as foundation skills such as critical thinking and problem solving. The lessons, workshops, and activities in Consumer Math compromise a well-rounded program that will help prepare all students for success in work and in life.

A TI-30XIIS calculator will be essential for success in the course.

EARLY RELEASE**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. Required courses and core content classes will be given first scheduling priority over the scheduling of Early Release. 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. Scheduling Early Release does not guarantee or entitle any student to a parking pass. Parking passes will be distributed in accordance with the parking pass distribution procedure.

***Student may choose either Late Arrival or Early Release – Not a combination of both options**

LATE ARRIVAL**995A LATE ARRIVAL I – ARRIVE FOR PERIOD 2** (Seniors)

-will include a period of lunch

(0 CREDIT)

995B LATE ARRIVAL II – ARRIVE FOR PERIOD 3 (Seniors)

- will include a period of lunch

(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 arrive to school late each day. Students participating in athletics are also eligible to arrive late 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 arrive late to complete schoolwork prior to starting their school day. 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. Required courses and core content classes will be given first scheduling priority over the scheduling of Late Arrival. 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. Scheduling Late Arrival does not guarantee or entitle any student to a parking pass. Parking passes will be distributed in accordance with the parking pass distribution procedure.

***Student may choose either Late Arrival or Early Release – Not a combination of both options**