

LAUREL HIGHLANDS HIGH SCHOOL

300 BAILEY AVENUE
UNIONTOWN, PENNSYLVANIA
15401

PH: (724) 437-4741
FAX: (724) 437-5653

ADMINISTRATION

DR. RONALD SHEBA	SUPERINTENDENT
DR. GARY BRAIN	DIRECTOR, SECONDARY EDUCATION
MR. JOHN DIAMOND	PRINCIPAL
MR. JESSE WALLACE	ASSISTANT PRINCIPAL
MR. RANDY MILLER	ASSISTANT PRINCIPAL

GUIDANCE COUNSELORS

MRS. ANDREA BARCHETTI
MISS KATHLEEN BURNS
MISS BRANDI FIKE
MR. LON HAYES
MRS. CATHY KANIA

HOME SCHOOL VISITOR

MR. LON HAYES

SECRETARIES

MRS. ANNETTA BEACHLY
MRS. LIZ DUNHAM
MRS. MARY YONKER

PRINCIPAL'S MESSAGE

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

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

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

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

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NOTICE OF EQUAL RIGHTS AND OPPORTUNITIES POLICY

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

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

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

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

GENERAL INFORMATION

GUIDANCE SERVICES

The high school guidance department serves each student in a variety of ways. Major functions are to provide individual and group counseling services so that each student can be helped with education, vocational and personal problems, to guide students in course selection, to assist students in vocational and college placement; and to coordinate and maintain a complete record of student progress from the time of each student's admission into school.

Guidance services are available when students are reevaluating their programs and educational plans. Counselors invite parental requests for conferences and arrange interviews at a mutually convenient time.

ACADEMICALLY TALENTED AND GIFTED STUDENTS

Academically talented and gifted students of the Laurel Highlands School District have the opportunity to enroll in a variety of courses that best complete their interests and prepare them for their post-secondary school education and career plans.

Students will engage in gifted activities up to 20% of their instructional time. They will demonstrate conditions that are conducive to logic and reasoning skills by activities or model strategies in academic environments.

Mentorships

Educational Field Trips

Academic Competition

Any other approved program as agreed to by the parents, student, teacher, and principal.

Program objective is to provide enrichment to gifted students and to enhance their creative academic ability.

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 with 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 is developing Peer and Adult Mentoring Programs. The Peer Monitoring Program is being operated in conjunction with Junior Achievement of Fayette County. Our eleventh grade students will be going to the Middle School to work with eighth grade students. The objective of the Peer Monitoring is to help our eighth grade students transition to grade 9 at the high school.

The Adult Mentoring will entail all students at the high school being assigned to a staff member. The adult mentor will work with the students during their high school years to explore their plans, guide students to overcome barriers, and help to

ensure each student has a clear pathway to success. Mentors will assist students in making well-informed academic and career choices.

NATIONAL ACADEMY FOUNDATION (NAF)

Laurel Highlands offers sophomores the opportunity to join the National Academy Foundation (NAF) program. Laurel Highlands will offer students Academies in three career themes: Finance, Hospitality & Tourism, and Information Technology. Each NAF Academy operates as a "school within a school" in high schools across the country. Students who qualify must apply to participate in the Academy program. 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. NAF Academies thrive in suburban and rural areas, such as our school district, where businesses exist alongside the schools.

The NAF Academy model consists of three critical components:

A career-themed small learning community comprises the resources, leadership, and supports needed to sustain the Academy and features NAF's curriculum--designed, reviewed, and updated regularly by a team of educators and industry experts;

Community partnerships includes the collaboration between the school and the larger community, toward the development of local advisory boards and paid student internships--a critical factor in connecting the "real world" to classroom study;

Professional development ensures that all stakeholders have regular opportunities to enhance their academy related skills and competencies through NAF conferences, technical assistance materials, and other local activities

These three components form NAF's "Academy Frameworks," a system of quality assessments and guidelines designed to help set expectations for new programs and developing Academies, to provide benchmarks for all Academies to assess program progress, and to encourage innovation among all Academies over time.

NAF Academies are appropriate for all high school students performing at grade level, but they are particularly targeted toward students who are not achieving their potential. These are students for whom the program makes a significant difference. With a new context for learning, NAF students often become more engaged in their studies, resulting in improved performance and higher expectations of what they can achieve for themselves.

NAF currently sustains a network of 575 Academy programs in 40 states and the District of Columbia.

NAF operates through major support from its board member companies, including: Citigroup, American Express, Merrill Lynch, The NASDAQ Stock Market, Sallie Mae, The McGraw-Hill Companies, and United Technologies. Other national funders include: Compaq, Marriott International, Lucent Technologies, Computer Associates, Verizon, Oracle, and AT&T. Thousands more large and small companies support local Academies by providing internships, service on Advisory Boards, teacher externships, curriculum guidance, and more.

DIVERSIFIED CO-OPERATIVE EDUCATION

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

COLLEGE ADMISSIONS

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

Scholastic Record

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

Admissions Tests

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

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

**Fee Charged.

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

**Fee charged. Test areas.

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

**Fee Charged.

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

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

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

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

Articulation Agreements

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

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

Dual Enrollment

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

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

AP Biology
AP Chemistry
Spanish III
Spanish IV
AP Calculus
AP American History
AP American Government
Engineering Drawing/Design
AP Statistics
Securities/Insurance

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:

Advanced Placement Biology
Advanced Placement Chemistry II
Advanced Placement Physics
Advanced Placement American History
Advanced Placement US Government and Politics
Advanced Placement Comparative Government and Politics
Advanced Placement Language and Composition III
Advanced Placement Composition and Literature IV
Advanced Placement Calculus "12"
Advanced Placement Spanish V
Advanced Placement Computer Science/Programming in JAVA
Advanced Placement French V
Advanced Placement Statistics
Advanced Placement Psychology
Advanced Placement 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 Geometry "9"
Honors English II	Honors Biology
Honors Chemistry	
Honors Civics	Honors Advanced Algebra "10"
Honors World History	Honors Function/Trig/Pre-Calculus "11"

QUALITY POINTS

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

NOTE: Semester courses will be multiplied by 0.5 when computing the quality point average.

WEIGHTING OF ADVANCED PLACEMENT AND HONORS LEVEL COURSES

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

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

GRADING POLICY

The following grade scale will be used:

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

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. If the student cannot return to the class, the course will be waived entirely. The student will receive an ME grade; however, credit will not be earned/assigned.

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.

INCOMPLETE (I) GRADE

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

Incomplete (I) grades may not be assigned for the Fourth Nine Weeks Grading Period or for the Final Grade.

OPPORTUNITIES FOR POST-SECONDARY EDUCATION

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

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

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

FINANCIAL AID

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

SCHOLARSHIPS

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

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 that student's year of expected graduation.

CREDIT REQUIREMENTS

To become eligible for graduation from Laurel Highlands High School, students must earn at least **twenty-four and one-half (24.5)** credits, which must include the following:

CLASS of 2008

English	Four (4.0) credits	English 9, 10, 11, 12
Social Studies	Four (4.0) credits	Civics, World History, American History, Political Science/Recent US History
Mathematics	Three (3.0) credits	Minimum of Alg 9, Alg 10, and Geo 11
Science	Three (3.0) credits	Electives
Health, Physical Education/ Aquatics	2½ (2.5) credits	Physical Education in grades 9, 10, 11, and 12; Health 10 (Minimum of one semester of Aquatics)
Arts or Humanities	Two (2.0) credits	Foreign Language, Art, Music, Technology, or Family/Consumer Science
Other Electives	Four (4.0) credits	Choose from any of the curriculum departments and/or vocational school course offerings
Computer Science	One (1.0) credit	Elective 9-12
Mathematics, Science or Computer Science Elective	One (1.0) credit	Elective 9-12

CLASS of 2009, 2010, and 2011

English	Four (4.0) credits	Academic English 9, 10, 11, 12
Social Studies	Four (4.0) credits	Civics, World History, American History, Political Science/Recent US History
Mathematics	Four (4.0) credits	Minimum of Algebra 9, Algebra 10, Geometry 11, and Algebra 12
Science	Three (3.0) credits	Electives
Health, Physical Education/ Aquatics	2½ (2.5) credits	Physical Education in grades 9, 10, 11, and 12; Health 10 (Minimum of one semester of Aquatics)
Arts or Humanities	Two (2.0) credits	Foreign Language, Art, Music, Technology, or Family/Consumer Science
Other Electives	Four (4.0) credits	Choose from any of the curriculum departments and/or vocational school course offerings
*Freshman Seminar	One (1.0) credit	Elective 9-12 (Beginning with the Class of 2009)

*Beginning with the Class of 2009, the Computer Science requirement will be replaced with Freshman Seminar.

GRADUATION PROJECT REQUIREMENT

In addition to minimum credit requirements, students must complete a graduation project as required by the Pennsylvania Department of Education and the Laurel Highlands School District. Every senior must complete a culminating project in one of the following areas: Career Research, Internship, or Community Service. Project proposals must be submitted to Mr. Sarko in Room 256 by **September 28, 2007** and final projects must be presented by **Thursday, April 10, 2008**. Project presentations must be scheduled with Mr. Sarko by **February 29, 2008**. If the student does not schedule a presentation date by February 29th, one will be assigned from the remaining available dates.

CAREER PORTFOLIO REQUIREMENTS --- Effective Start Year—Class of 2009

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

9th Grade

Career Paper—2 Page Paper

Job Shadowing Experience—5 hours of job shadowing experience outside of school hours and a 1 ½ Page Paper.

Complete the Keys2Work Assessment in Math and Reading.

10th Grade

Career Paper—2 Page Paper

Job Shadowing Experience—5 hours of job shadowing experience outside of school hours and a 1 ½ Page Paper.

11th Grade

Prepare a Resume

Job Shadowing Experience—10 hours of job shadowing experience outside of school hours and a 1 ½ Page Paper.

Participate in a Mock Interview

12th Grade

Update Resume

Job Shadowing Experience—10 hours of job shadowing experience outside of school hours and a 1 ½ Page Paper.

Senior Project/Presentation

Senior Research Paper

Re-take the Keys2Work Assessment in Math and Reading.

PSSA GRADUATION REQUIREMENTS

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

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

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

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

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

Students placed in a senior homeroom that have not previously taken the PSSA Reading and Math Assessment, regardless of the reason, will be scheduled into the mandatory PSSA Preparation Class during their senior year. These seniors may take the PSSA Senior Retest in the fall to display proficiency in order to withdraw from the class at semester break. If

proficiency is not displayed through the PSSA Senior Retest, students may take the PSSA Equivalency Exam, or remain in the PSSA Preparation Class and must receive a passing grade in the class in order to be eligible to graduate.

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

SELECTION OF VALEDICTORIAN/SALUTATORIAN

The Board acknowledges the usefulness of a class rank system for secondary school graduates to inform students, parents and others of their relative academic placement among their peers under relatively similar circumstances.

The Board authorizes a system of class ranking by total quality points accumulated for students in grades nine through twelve. Students are ranked from the highest to the lowest with ties being resolved by assigning the same number to all those tied with the same number of quality points. The high school Valedictorian and Salutatorian will be determined from this ranking based on the total quality points earned. The graduating senior with the highest number of quality points will be named the Valedictorian while the graduating senior with the second highest number of quality points will be named Salutatorian. This ranking procedure began with the graduating class of 2006.

The Superintendent shall see that procedures and guidelines are developed for the computation of quality point totals for the assignment of class rank, for the computation of quality points used in the determination of the high school Valedictorian and Salutatorian, and for the implementation of this policy.

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

COURSE SELECTION PROCEDURES

Bring your Curriculum Guide to class on Course Selection Day. Counselors and teacher will discuss academic offerings and will recommend selection of appropriate courses. This recommendation should be written on the Course Selection Request Form.

Take the Curriculum Guide home and discuss with your parents the courses you requested for study. A parent signature on the Course Selection Form is required to indicate approval of your program of study.

Bring your Curriculum Guide and Course Selection Form to school for scheduling when notified by the guidance department.

WEIGHTING OF COURSES

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

STIPULATIONS:

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

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

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

GRADUATION PARTICIPATION

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

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

COURSE SELECTION INFORMATION

GENERAL GUIDELINES

Student must elect courses required for graduation as described in this publication. Courses described in this publication may be selected if prerequisite course and grade level requirements are met and the student has parental, guidance counselor, and teacher approval. Students must elect a sufficient number of courses necessary to meet a weekly minimum requirement of thirty-two (32) instructional class periods (6 courses) in addition to P.E. Seniors must schedule a minimum of five (5) one-credit classes in addition to P.E.

Courses are selected on a semester or full-time basis as indicated in the publication.

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.

COURSE SELECTION REQUIREMENTS

Honors/ A.P. Course Selection: Students must have a "B" grade or better in the prerequisite course and/or teacher recommendation in writing.

Mathematics Selection: Students must have a "C" grade or better in the prerequisite course to advance. **Note:** Includes all academic courses i.e. Algebra, Geometry and Algebra 10, and Geometry 11.

Foreign Language: Students must have a "C" grade or better in the prerequisite course and/or teacher recommendation in writing.

Chicago Mathematics Series: Students enrolled in the Honors Algebra I, Honors Geometry "9," and Honors Advanced Algebra "10" must remain in this series until they have completed these three courses. The fourth course in the sequence, if selected, is Honors Trig/Pre-Calc.

SCHEDULE CHANGES

All student-initiated schedule changes will be handled in August. 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.

Parents may appeal a denial for schedule change to the school administration. The decision of the school administration will be final. (continued next page)

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**.

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. (continued next page)
- 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.

PROMOTION/RETENTION

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

9th Grade to 10th Grade	5.5 Credits earned
10th Grade to 11th Grade	11.5 Credits earned
	Among the 11.5 Credits, the following are required: 2 Credits in English 2 Credits in Math 2 Credits in Science 2 Credits in Social Studies
11th Grade to 12th Grade	18.0 Credits earned

HONOR ROLL

*Average by grade point for Honor Roll recognition:

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

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

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

Ninth grade students who are failing math or English after the first semester **must** attend mandatory tutoring/credit recovery classes. Parents of students required to attend will be notified by mail. These classes will be scheduled after school, but transportation will be provided.

If students leave school without attending tutoring, they must have a doctor's excuse to justify the missed tutoring class. Failure to provide a doctor's excuse will result in an ISS being assigned. Students participating in after-school activities may participate after the tutoring session ends for the day. Habitual absences could result in further discipline action and the student being placed on social probation.

The goal of these classes is to have students make-up work they have failed and to keep up with work in these classes. The tutoring program is designed and mandated to help prevent students from failing their math or English class and as a result, being retained in Ninth Grade.

PROMOTION REQUIREMENTS/SUMMER SCHOOL
LAUREL HIGHLANDS MIDDLE SCHOOL STUDENTS

The following guidelines apply for the Laurel Highlands Middle School.

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

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

3. If an 8th grade student does any of the following they **must attend** the Ninth Grade Summer Bridge Program in order to be promoted to Grade 9:

Fails one class

Has more than twenty-five (25) unexcused absences

Has serious discipline problems as determined by the administration

Transportation is provided for this program.

4. If an 8th grade student receives a D in math, reading, or English, it will be **highly recommended** that they attend the 9th Grade Summer Bridge Program. Transportation is provided for this program.

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

ACADEMIES/CLUSTERS AVAILABLE TO CURRENT NINTH GRADE STUDENTS SCHEDULING FOR TENTH GRADE

The following plan went into effect for the 2006-2007 school year, beginning with the 10th grade students:

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

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

Academy of Finance – National Academy Foundation
Academy of Hospitality and Tourism – National Academy Foundation
Academy of Information Technology – National Academy Foundation
Fine Arts Cluster
Pre-Engineering Cluster
Education, Health and Human Services Cluster
Advanced Placement Cluster
Fayette Area Vocational-Technical School
Pre-ROTC (Program being develop for full implementation in 2008-09 school year)

All of the Academies/Clusters will follow the National Academy Foundation format of:
Providing an industry based curriculum
Providing job shadowing or internship experience, if available
Providing college/high school credit classes in the cluster area

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

PROGRAM MODELS: CLASS OF 2009, 2010, and 2011

NATIONAL ACADEMY FOUNDATION
FINANCE ACADEMY

GRADE 10 –
Introduction to Finance/Strategies for Success

GRADE 11 –
Accounting I
Banking/Credit

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

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

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

SKILLS

Critical Thinking
Information Organization
Judgment and Decision Making
Mathematics
Problem Identification

ABILITIES

Basic Math Calculations
Deductive Reasoning
Information Ordering
Mathematical Reasoning
Problem Recognition

KNOWLEDGE

Administration and Management
Clerical
Economics and Accounting
Law, Government and Jurisprudence
Public Safety and Security

NATIONAL ACADEMY FOUNDATION
HOSPITALITY AND TOURISM ACADEMY

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

GRADE 11 –
Sports Event Management/Hospitality Systems

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

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

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

SKILLS

Active Listening
Focus on Helping People
Information Gathering
Report Writing
Speaking

ABILITIES

Basic Math Calculations
Information ordering
Manual Dexterity
Oral Expression
Problem Recognition

KNOWLEDGE

Administration and Management
Customer Service
English Language
Mathematics
Sales and Marketing

NATIONAL ACADEMY FOUNDATION
INFORMATION TECHNOLOGY ACADEMY

GRADE 10 –
Introduction to Information Technology

GRADE 11 –
Intro to Computer Hardware Technology
Web Page, Design Digital Graphics

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

GRADE 12 –
Programming I
Dual Enrollment, college/high school class

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

SKILLS

Critical Thinking
Information Gathering
Mathematics
Science
Testing

ABILITIES

Basic Math Calculations
Deductive reasoning
Inductive Reasoning
Information Ordering
Mathematical Reasoning

KNOWLEDGE

Computers/Electronics
Design
Engineering and Technology
Mathematics
Physics

FINE ARTS CLUSTER

PERFORMING ARTS

Select at least one:

<u>Grade 10</u>	Introduction to Theater Choir II Madrigal Choir I Band II
<u>Grade 11</u>	Advanced Theater Choir III Madrigal Choir II Band III Music Appreciation <i>(Required)</i>
<u>GRADE 12</u>	Choir IV Madrigal Choir III Band IV Advanced Theater II Music Theory <i>(Required)</i>

VISUAL ARTS

Art Academy I OR Art II
Art II or Art III <i>(Required)</i> Ceramics <i>(Optional)</i>
Art III or Art Appreciation <i>(Required)</i>

College/High School Dual Enrollment classes with Penn State/Eberly Campus and California University of Pennsylvania are being developed.

In the Performing Arts Program, recitals and internships will be pursued and in the Visual Arts Program, exhibits and internships will be pursued.

SKILLS

Active Listening
Idea Generation
Reading Comprehension
Speaking
Writing

ABILITIES

Fluency of Ideas
Oral/Written Expression
Originality
Speech Clarity
Visualization

KNOWLEDGE

Communications and Media
Computers and Electronics
English Language
Fine Arts
Mathematics

PRE-ENGINEERING ACADEMY/CLUSTER

Three Pathways will be available in this Program:

Architectural/Mechanical Engineering Design
Automated Systems Engineering
Advanced Technologies and Engineering

Listing of Courses -

All Students

Grade 10 – Introduction to Engineering – All Engineering Pathways

1) ARCHITECTURAL/MECHANICAL ENGINEERING DESIGN

Grade 11/12 – Architectural Engineering and Design I and II

Grade 11/12 –Mechanical Engineering and Design I and II
Introduction to CNC Machining*

2) AUTOMATED SYSTEMS ENGINEERING

Grade 11 – Principles of Electronics

Grade 12 – Introduction to Automation and Agile Robotics
Introduction to CNC Machining*

3) ADVANCED TECHNOLOGIES ENGINEERING

Grade 11 – Principles of Electronics

Grade 12 – Advanced Technologies Design and Applications
Introduction to CNC Machining*

Articulation Agreements are offered with Penn State Fayette/Eberly Campus and the California University of Pennsylvania for this Program.

College/High School Dual Enrollment classes with California University of Pennsylvania for Mechanical Engineering and Design Class

**In Development*

Introduction to CNC Machining – 1 hour class offered by FAVTS

SKILLS

Equipment Maintenance
Equipment Selection
Machinery Monitoring
Machinery Operation and Control
Product Inspection

ABILITIES

Controls Adjustment
Information Ordering
Manual Dexterity
Near Vision
Wrist-Finger Speed

KNOWLEDGE

Engineering and Technology
Mathematics
Mechanical
Physics
Production and Processing

EDUCATION, HEALTH, AND HUMAN SERVICES CLUSTER

Grade 10

Human Development I

Grade 11

Psychology or Advanced Placement Psychology

Human Development II

Grade 12

1) Advanced Placement Psychology or Human Development III

Currently, the district is working to re-establish an Articulation Agreement in this area with Penn State/Eberly Campus.

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

SKILLS

Active Listening
Focus on Helping People
Judgement and Decision Making
Problem Identification
Social Perceptiveness

ABILITIES

Deductive Reasoning
Inductive Reasoning
Information Ordering
Oral Expression
Problem Recognition

KNOWLEDGE

Biology
Medicine and Dentistry
Personal Service
Psychology
Therapy and Counseling

ADVANCED PLACEMENT CLUSTER

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 fifteen(15) Advanced Placement Offerings at the High School:

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

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

Dual Enrollment, college/high school opportunities are particularly abundant for students in this program. Students potentially could leave high school with as many as 18 college credits.

VOCATIONAL TECHNICAL SCHOOL

(Descriptions available pages 40-45)

During their 9th Grade year, all students will tour the Fayette County Area Vocational Technical School to become familiar with the educational opportunities that the vocational technical school offers. Staff from the vocational school will address all ninth grade students in regards to the programs offered there.

Articulation Agreements and dual enrollment opportunities are available and these will be developed in the future.

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

- Auto Body
- Auto Mechanics
- Diesel Mechanics
- Drafting and Design
- Electronics
- Machine Technology
- Computer Technology
- Agriculture
- Cosmetology
- Culinary Arts
- Graphic Arts
- Health Occupations
- Building Construction Trades
- Carpentry
- Electronic Construction Maintenance
- Masonry
- Welding
- Heating, Ventilation, and Air Conditioning

Students attending the Fayette County Area Vocational Technical School must report to the high school each morning for homeroom and period one. During period one, sophomores and juniors will take a math class, while seniors will take an English class. This class will last throughout the entire school year and attendance is mandatory.

ROTC

The Laurel Highlands High School is planning to operate a full ROTC Program in the 2008-2009 school year. Students interested in the ROTC program (for the 2007-2008 school year) can sign up when registering for the upcoming school year. Activities will be developed to help prepare students for the full program in 2008- 2009. Students going from grade 9 to grade 10 can select this as an Academy choice for the 2007-2008 school year. More details in regards to this program will be forthcoming.

The following are the minimum graduation requirements for the graduating class of 2009, 2010, and 2011:

MATH

		Credit
Gr. 9	Algebra 9	1
Gr. 10	Algebra 10	1
Gr. 11	Geometry 11	1
Gr. 12	Algebra 12	$\frac{1}{4}$
		4

(8)

ENGLISH

Gr. 9	Academic English I	1
Gr. 10	Academic English II	1
Gr. 11	Academic English III	1
Gr. 12	Academic English IV	$\frac{1}{4}$
		4

SOCIAL STUDIES

		Credit
Gr. 9	Civics	1
Gr. 10	World History	1
Gr. 11	American History	1
Gr. 12	Pol Sci/Rec U.S. Hist	$\frac{1}{4}$
OR	Geography & Economics	
		4 (12)

SCIENCE

		Credit
Gr. 9	Biology	
Gr. 10	ABC I or II	
	OR Applied Physics I	
	OR Chemistry OR	
Gr. 11	Academic Physics	
OR		
Gr. 12	ABC I or II, Applied	
	Physics I or II,	
	Chemistry OR	
	Academic Physics	

PHYS ED

	Credit
Gr. 9	.5
Gr. 10	.5
Gr. 11	.5
Gr. 12	$\frac{.5}{2.0}$ (17)

OTHER

		Credit
Gr. 9	Freshman Seminar	1 (18.5)
Gr. 10-12	Career Related (2)	2 (20.5)

ELECTIVES

(2 Years of Language is Highly Recommended) 4 (24.5) – Total Credits)

CAREER RELATED CLASSES

(Examples of career related courses, not final list)

H&T	Introduction to Hospitality & Tourism
FIN	Introduction to Finance
FIN	Accounting I and II
FIN	Banking/Credit
FIN	Securities and Investments
FIN/H&T	Geography and Economics
HT	Sports, Events, and Entertainment Planning/Hospitality Systems
HT	Resorts Management and Operations
IT	Introduction to Information Technology
IT	Computer Hardware Technology
IT	Web Page Design, Digital Graphics
IT	Computer Programming I
FA	Introduction to Theater
FA	Introduction to Art Academy
FA	Art II or Art III
FA	Art Appreciation
FA	Music Appreciation
FA	Music Theory
ENG	Introduction to Engineering
ENG	Introduction to Drafting
ENG	Advanced Drafting
ENG	Fundamentals of Machining
ENG	Principles of Electronics
ENG	Agile Robotics I
EHH	Psychology I
EHH	Human Development I or II

PROGRAM MODELS: CLASS of 2008

Program models are listed for your guidance. Use the following guidelines to plan your program of studies for your senior year.

COLLEGE PREP/ACADEMIC HONORS

The Academic Honors curriculum has been designed to challenge the academically talented and intellectually motivated students. Students selecting this program will be expected to follow **all** courses as outlined for grades 9–12. The academic requirements are intense in the area of mathematics, chemistry, and physics.

Note: Students selecting this program must have an overall 3.0 grade point average and/or Principal/Counselor recommendation.

COLLEGE PREP/ACADEMIC HONORS

<i>Grade 9</i>	<i>Cr.</i>	<i>Grade 10</i>	<i>Cr.</i>
003 Honors English I	1.0	006 Honors English II	1.0
101 Honors Civics	1.0	103 Honors World History	1.0
302 Honors Biology	1.0	308 Chemistry I/Lab	1.4
209 Geometry or 210 Honors Geometry "9"	1.0	207 Algebra II or 208 Honors Advanced Algebra "10"	1.0
Language I or II	1.0	Language II or Language III	1.0
Freshman Seminar	1.0	Physical Ed./Health	1.0
Physical Ed.	0.25		
Aquatics	0.25		
<i>Grade 11</i>	<i>Cr.</i>	<i>GRADE 12</i>	<i>CR.</i>
009 AP Lang/Composition III	1.0	012 A.P. Comp./Literature IV	1.0
105 A.P. American History	1.0	110 A.P. US Government/Compar. Gov't/Pol.	1.0
211 Honors Func./Trig./Pre-Calc. "11" or 212 Trig/Pre-Calculus I	1.0	214 A.P. Calculus "12"	1.0
309 Academic Physics	1.2	311 A.P. Physics	1.0
Language III or Elective	1.0	"OR"	
Physical Ed or Aquatics	0.5	310 A.P. Chemistry II	1.6
Elective	1.0	"OR"	
		313 A.P. Biology	1.6
		Physical Ed.	0.5
		Elective	1.0
		908 Senior Project	0.0

**Note: All courses listed are required in this program.

*One of these electives (10-11-12) maybe waived if it cannot be scheduled because of a Science Lab.

COLLEGE PREP/ACADEMIC ARTS EDUCATION

The Academic Arts curriculum, recommended for the college bound student, provides a more liberal selection of courses for grades 9-12. It allows students to follow a variety of academic tracks in Science, Mathematics, English, etc.

Note: Students selecting this program must have an overall 2.6 grade point average and/or Principal/Counselor recommendation.

Math – Complete at least Algebra I, Algebra II and Geometry; Foreign Language—2 years; Science—Complete at least one Science Lab Course, Chemistry I or Academic Physics and also a 4th year of math or science must be completed.

GRADE 9	CR.	GRADE 10	CR.
002 Academic English I or 003 Honors English I	1.0	005 Academic English II or 006 Honors English II	1.0
100 Civics or 101 Honors Civics	1.0	102 World History or 103 Honors World History	1.0
302 Honors Biology I	1.0	308 Chemistry I/Lab	1.4
206 Algebra I or 209 Geometry or 210 Honors Geometry "9"	1.0	209 Geometry or 207 Algebra II or 208 Honors Adv. Algebra "10"	1.0
Language I or II	1.0	Language II or Elective	1.0
Freshman Seminar	1.0	Physical Education/Health	1.0
Physical Education	0.25		
Aquatics	0.25		
 GRADE 11	 CR.	 GRADE 12	 CR.
008 Academic English III or 009 AP Lang/Composition III	1.0	011 Academic English IV or 012 A.P. Comp./Lit. IV	1.0
104 American History or 105 A.P. American History	1.0	106 Pol. Sci./Recent U.S. Hist. or 110 A.P. US Comp. Gov't. & Politics	1.0
207 Algebra II or 211 Honors Func/Trig/Pre-Calc "11" or 212 Trig/Pre-Calc I	1.0		
309 Aca. Physics/Lab or 313 A.P. Bio/Lab		Physical Education or Aquatics	0.5
Physical Education		Elective	1.0
Elective		Math, Science, or Computer Elective	1.0
Elective		Elective	1.0
		908 Senior Project	

*One of these electives (10-11-12) may be waived if it cannot be scheduled because of a Science Lab.

NATIONAL ACADEMY PROGRAM

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 Travel & Tourism. Students who qualify must apply to participate in the Academy program. 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.

ACADEMY OF FINANCE

GRADE 9	CR	GRADE 11	CR
Honors Eng. I, Acad. English I	1.0	AP Eng. III, Acad. Eng. III or Eng. III	1.0
Algebra 9, Algebra I, Geometry or Honors Geometry	1.0	A.P. American History or American History	1.0
Honors Civics or Civics	1.0	Geometry 11, Algebra II, Geometry, Trigonometry, Honors Pre-Calc	1.0
Biology I or Honors Biology I	1.0	Applied Bio/Chem I or II, Physics, Chemistry, Applied Physics II	1.0
Foreign Language or Elective	1.0	Securities and Insurance/Financial Planning and Banking	1.0
Freshman Seminar	1.0		1.0
Phys. Ed/Aquatics	0.5	Phys. Ed.	0.5
Grade 10	CR	Grade 12	CR
Honors Eng. II, Acad. Eng. II	1.0	A.P. Eng. IV, Acad. Eng. IV, or Eng. IV	1.0
Algebra 10, Geometry, Algebra II, or Honors Geometry	1.0	Econ. of Finance/Econ. of Geography	1.0
Honors World History or World History	1.0	4th Math, Science, or Computer Class	1.0
Applied Bio/Chem I or II, Chemistry, or Applied Physics I	1.0	College Level Finance Class	1.0
Introduction to Finance	1.0	Elective (may be Acct. I, Acct. II)	1.0
Software Applications, Language, or Elective	1.0	Elective	1.0
Phys. Ed./Health	1.0	Phys. Ed.	0.5
		908 Senior Project	0.0

ACADEMY OF HOSPITALITY AND TOURISM

GRADE 9	CR	GRADE 11	CR
Honors Eng. I, Acad. English I	1.0	AP Eng. III, Acad. Eng. III or Eng. III	1.0
Algebra 9, Algebra I, Geometry or Honors Geometry	1.0	A.P. American History or American History	1.0
Honors Civics or Civics	1.0	Geometry 11, Algebra II, Geometry, Trigonometry, Honors Pre-Calc	1.0
Biology I or Honors Biology	1.0	Applied Bio/Chem I or II, Physics, Chemistry, Applied Physics II	1.0
Foreign Language or Elective	1.0	System Applications and Hospitality	1.0
Freshman Seminar	1.0	Phys. Ed.	0.5
Phys. Ed./Aquatics	0.5		
Grade 10	CR	Grade 12	CR
Honors Eng. II, Acad. Eng. II	1.0	A.P. Eng. IV, Acad. Eng. IV, or Eng.	1.0
Algebra 10, Geometry, Algebra II, or Honors Geometry	1.0	Econ. of Travel and Tourism/Econ. of Geography	1.0
Honors World History or World History	1.0	4th Math, Science, or Computer Class	1.0
Applied Bio/Chem I or II, Chemistry, or Applied Physics I	1.0	Resorts: Management and Operations	1.0
Introduction to Hospitality and Tourism	1.0	Elective (may be Acct. I, Acct. II)	1.0
Software Applications, Language, or Elective	1.0	Elective	1.0
Phys. Ed./Heath	1.0	Phys. Ed.	0.5
		908 Senior Project	0.0

COLLEGE PREP – ACADEMIC ARTS/ENGINEERING TECHNOLOGY (CAREER PREP)

	CR.	GRADE 10	CR.
GRADE 9			
003 Hon. Eng. I or 002 Aca. Eng. I	1.0	006 Hon. English II or 005 Acad. English II	1.0
101 Hon. Civics or 100 Civics	1.0	103 Hon. World History or 102 World History	1.0
206 Algebra I, 209 Geometry or 210 Hon. Geometry "9"	1.0	207 Algebra II or 209 Geometry or 208 Hon. Advanced Algebra "10"	1.0
Language II	1.0	308 Chemistry I/Lab or 309 Academic Physics/Lab	1.4
302 Honors Biology I	1.0	717 Intro to Engineering	1.0
Freshman Seminar	1.0	Physical Education	0.5
Physical Education	0.25	Health	0.5
Aquatics	0.25		
	CR.	GRADE 12*	CR.
GRADE 11			
009 AP Lang/Comp III or 008 Academic English III	1.0	012 AP English or 011 Academic English IV	1.0
	1.0		1.0
105 Adv. Placement Am. History or 104 American History		109 A.P. Comp. Gov't. or 106 Political Science/U.S. History	
	1.0		1.0
207 Algebra II, 212 Trig/Pre-Calculus or 211 Hon. Funcs. Trig/Pre-Calc. "11 "		609 Software Applications	
	1.4-1.6		1.0
308 Chemistry I or 309 Aca. Physics/Lab or 313 A.P. Biology		704 Mech. Eng. And Design I or 708 Arch. Engin. And Design II	
	1.0		1.0
712 Power/Transportation I		714 Principle of Electronics	
	1.0		0.5
706 Arch. Engineering & Design I		Physical Education or Aquatics	
	0.5		0.0
Physical Education or Aquatics		908 Senior Project	

OCCUPATIONAL PREP

This program has been developed to meet the educational needs of the non-academic student. It directs its educational goals toward the practical fields of interest. Course selection varies to provide the student with a broad educational background. Electives for this program are varied and designed to motivate the student.

OCCUPATIONAL PREP

	CR.
GRADE 12	
010 English IV	1.0
106 Pol. Sci./Recent U.S. History	1.0
615 Bookkeeping or	1.0
609 Software Applications	
Arts & Humanities Elective	1.0
Elective	1.0
Physical Education or Aquatics	0.5
908 Senior Project	0.0

VOCATIONAL-TECHNICAL EDUCATION

The Fayette Area Vocational–Technical program is offered to interested students. It is designed to meet the needs of students who plan to enter the world of work. Course offered to both boys and girls will prepare students to enter jobs in the technical, skilled, or semi–skilled occupations. The selection of students is a cooperative effort of the home, school, and the vocational–technical school administrative staff. Students may apply in 9th grade and admittance will be based upon academic effort, attendance discipline record and intent.

The Fayette Vo-Technical School operates a two-semester program each year. Students are divided to attend 1st or 2nd semester courses. This selection is based on demand for certain courses and limited student enrollment per course.

VOCATIONAL-TECHNICAL EDUCATION

	CR.		CR.
GRADE 10			
005A Acad Eng/Language Skills IIA	0.5		
005B Academic Eng/Lit Apprec IIB	0.5		
102A World History IIA	0.5		
102B World History IIB	0.5		
201 Algebra 10	1.0		
320 Applied Biology/Chem. IA	0.5		
Physical Ed./Health	0.5		
GRADE 11		GRADE 12	
008A Academic Eng/Lang Skills IIIA	0.5	010 English IV or Academic Eng IV	1.0
008B Academic Eng/Lit Apprec IIIB	0.5	106A Political Science A	0.5
104A American History A	0.5	106B Recent Us History B	0.5
104B Contemp. American History B	0.5	322 Applied Biology/Chem IIA	0.5
202 Geometry 11	1.0	323 Applied Biology/Chem IIB	0.5
321 Applied Bio/Chem IB	0.5	Physical Education or Aquatics	0.25
Physical Education or Aquatics	0.25	908 Senior Project	0.0

Program description available pages 40-45.

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. Students are recommended by the counselors. Placement is made only after psychological testing, a multidisciplinary meeting, and an appropriate Individualized Education Program have been written for the students. 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 Vocational Education (Grade 12) or Work Experience (Grade 12).

LEARNING SUPPORT

GRADE 9	CR.	GRADE 10	CR.
911 Mathematics	1.0	911 Mathematics	1.0
915 General Science	1.0	916 Basic Biology	1.0
919 Basic Civics I	1.0	920 Basic World History II	1.0
923 Language Arts	1.0	923 Language Arts	1.0
907 Freshman Seminar	1.0	Physical Education	0.5
Physical Education/Aquatics	0.5	Elective	1.0
Elective	1.0	Elective	1.0
GRADE 11	CR.	GRADE 12	CR.
911 Mathematics	1.0	911 Mathematics	1.0
917 Earth Science	1.0	918 Environmental Science	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
933 Self Advocacy	1.0	936 General Health	1.0
Physical Education	0.5	Physical Education	0.5
Elective	1.0	Elective	1.0
		934 Senior Research	1.0
		908 Senior Project	0.0

Course descriptions may be found on Pages 67-69.

COURSE OFFERINGS

LANGUAGE ARTS COURSE OFFERINGS

Course Number	Course Title	Recommended Grade Level	Number of	Periods Per Week	Units of Credit Per Year
			Semesters Per Year		
002	Academic English I	9	2	5	1.0
003	*Honors English I	9	2	5	1.0
005A	Acad English/Lang Skills IIA	10	1	5	0.5
005B	Acad English/Lit Apprec IIB	10	1	5	0.5
005	Academic English II	10	2	5	1.0
006	*Honors English II	10	2	5	1.0
008	Academic English III	11	2	5	1.0
008A	Acad. Eng/Lang Skills IIIA	11	1	5	0.5
008B	Acad. Eng/Lit Apprec IIIB	11	1	5	0.5
009	*AP Language/Composition III	11	2	5	1.0
010	English IV	12	2	5	1.0
011	Academic English IV	12	2	5	1.0
012	*A.P. Composition/Lit. IV	12	2	5	1.0
014	Speech/Forensics	11-12	2	5	1.0
901	PSSA Reading 12	12	2	2-3	0.5
903	PSSA Reading 9	9	2	2-3	0.5

*weighted course

Course descriptions may be found on Pages 46-47.

SOCIAL STUDIES COURSE OFFERINGS

Course Number	COURSE TITLE	Recommended Grade Level	Number of	Periods Per Week	Units of Credit Per Year
			Semesters Per Year		
100	Civics	9	2	5	1.0
101	*Honors Civics	9	2	5	1.0
102	World History	10	2	5	1.0
102A	World History A	10	2	5	0.5
102B	World History B	10	2	5	0.5
103	*Honors World History	10	2	5	1.0
104	American History	11	2	5	1.0
104A	American History A	11	2	5	0.5
104B	American History B	11	2	5	0.5
105	*AP American History	11	2	5	1.0
106	Political Science/Recent U.S. History	12	2	5	1.0
106A	Political Science A	12	2	5	0.5
106B	Recent U.S. History B	12	2	5	0.5
110	*AP US Government/Comparative Government and Politics	12	2	5	1.0
126	Psychology	10-12	2	5	1.0
127	Current Events	10-12	2	5	1.0
130	*AP Psychology	11-12	2	5	1.0

*Weighted Course

Course descriptions may be found on Pages 47-49.

MATHEMATICS COURSE OFFERINGS

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

*Weighted Course Course descriptions may be found on Pages 49-51.

COMPUTER SCIENCE

Course Number	Course Title	Recommended Grade Level	Number of Semesters Per Year	Periods Per Week	Units of Credit Per Year
232	Intro to Programming/JAVA	11-12	2	5	1.0
233	*AP Computer Science/JAVA	11-12	2	5	1.0
235	Visual Basic	9-12	2	5	1.0

*Weighted Course Course descriptions may be found on Page 51.

SCIENCE COURSE OFFERINGS

Course Number	Course Title	Recommended Grade Level	Number of Semesters Per Year	Periods Per Week	Units of Credit Per Year
301	Biology	9	2	5	1.0
302	*Honors Biology I	9	2	5	1.0
306	Applied Biology/Chemistry I	10-12	2	5	1.0
307	Applied Biology/Chemistry II	11-12	2	5	1.0
308	Chemistry I	10-12	2	5	1.0
309	Academic Physics	11-12	2	7	1.4
310	*AP Chemistry II/ Lab	12	2	8	1.6
311	*AP Physics	12	2	5	1.0
312	Anatomy/Physiology	12	2	5	1.0
313	*AP Biology/Lab	11-12	2	8	1.6
314	Applied Physics I	10-12	2	5	1.0
315	Applied Physics II	11-12	2	5	1.0
316	*Honors Chemistry I	10-12	2	5	1.0
320	VT-ABC IA	10	1	5	0.5

321	VT-ABC IB	11	1	5	0.5
322	VT-ABC IIA	12	1	5	0.5
323	VT-ABC IIB	12	1	5	0.5

*Weighted Course Course descriptions may be found on Pages 51-53.

PHYSICAL EDUCATION/HEALTH COURSE OFFERINGS

Course Number	COURSE TITLE	Recommended Grade Level	Number of Semesters Per Year	Periods Per Week	Units of Credit Per Year
401	P.E. I B	9	1	2-3	0.25
402	P.E. I G	9	1	2-3	0.25
403	Aquatics I B	9	1	2-3	0.25
404	Aquatics I G	9	1	2-3	0.25
407A	P.E. II III IV B	10-12	1	2	0.25
407B	P.E. II III IV B	10-12	1	3	0.25
408A	P.E. II III IV G	10-12	1	2	0.25
408B	P.E. II III IV G	10-12	1	3	0.25
409A	Aquatics II III IV B/G	10-12	1	2	0.25
409B	Aquatics II III IV B/G	10-12	1	3	0.25
410A	Health II B	10	1	2	0.25
410B	Health II B	10	1	3	0.25
411A	Health II G	10	1	2	0.25
411B	Health II G	10	1	3	0.25
422	Lifeguard Training	11-12	2	2-3	0.5
423	Adaptive P.E.	9-12	2	2-3	0.5

Course descriptions may be found on Pages 54-55.

FOREIGN LANGUAGE COURSE OFFERINGS

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

**All Language courses satisfy Humanities requirement.

Course descriptions may be found on Pages 55-57.

*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	10-12	2	5	1.0
612	Accounting I	10-12	2	5	1.0
613	Accounting II	11-12	2	5	1.0
615	Bookkeeping	11-12	2	5	1.0
616	Desktop Publishing/Newspaper Production	10-12	2	5	1.0
617	Publications	10-12	1	5	1.0
618	VT Keyboarding/Microcomputer Applications	11-12	1	3	0.25
619	Keyboarding/Microcomputer Applications	9-12	2	5	1.0
650	Introduction to Finance	10	2	5	1.0
651	Banking, Credit, and Financial Planning	11	2	5	1.0
652	Securities/Insurance	12	2	5	1.0

Course descriptions may be found on Pages 57-59.

NATIONAL ACADEMY FOUNDATION

Course Number	COURSE TITLE	Recommended Grade Level	Number of Semesters Per Year	Periods Per Week	Units of Credit Per Year
650	Introduction to Finance	10	2	5	1.0
651	Banking, Credit, and Financial Planning	11	2	5	1.0
652	Securities/Insurance	12	2	5	1.0
660	Introduction to Hospitality and Tourism	10	2	5	1.0
662	Hospitality & Tourism/Sports, Entertainment, and Events	11	2	5	1.0
663	Resorts: Management and Operation	12	2	5	1.0
665	Geog. and Econ. for Finance/Travel and Tourism	12	2	5	1.0
670	Introduction to Information Technology	10	2	5	1.0
671	Intro. to Computer Hardware Tech	10-12	2	5	1.0

Course descriptions may be found on Pages 59-60.

TECHNOLOGY EDUCATION COURSE OFFERINGS

Course Number	COURSE TITLE	Recommended Grade Level	Number of Semesters Per Year	Periods Per Week	Units of Credit Per Year
701	Visual Comm. I	9-12	2	5	1.0
704	Mech. Engineering and Design I	10-12	2	5	1.0
705	Mech. Engineering and Design II	11-12	2	5	1.0
706	Arch. Engineering and Design I	10-12	2	5	1.0
707	Arch. Engineering and Design II	11-12	2	5	1.0
709	Industrial Materials I	9-12	2	5	1.0
710	Industrial Materials II	10-12	2	5	1.0
711	Home Repair and Maintenance	9-12	2	5	1.0

712	Power/Transportation I	9-12	2	5	1.0
713	Adv. Manufacturing Enterprise	10-12	2	5	1.0
714	Principles of Electronics	11-12	2	5	1.0
715	Intro. to Automation/Agile Robotics	10-12	2	5	1.0
717	Intro to Engineering	10-12	2	5	1.0
718	Design/Applications of Adv. Tech	11-12	2	5	1.0
671	Intro. to Computer Hardware Tech	10-12	2	5	1.0

*Weighted Course Course descriptions may be found on Pages 60-63.

*All Technology Education courses satisfy arts requirement.

FAMILY AND CONSUMER SCIENCE OFFERINGS

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

*All Family and Consumer Science courses satisfy Arts requirement. Course descriptions may be found on Page 63.

MUSIC COURSE OFFERINGS

Course Number	COURSE TITLE	Recommended Grade Level	Number of Semesters Per Year	Periods Per Week	Units of Credit Per Year
808	Set Design	10-12	1	5	0.5
809	Freshman Choir	9-12	2	3	0.6
810	Choir	9-12	2	5	1.0
811	Music Theory/Technology I	9-12	2	5	1.0
812	Madrigal Choir	10-12	2	5	1.0
813	Music Appreciation	9-12	2	5	1.0
814	Theatre	9-12	2	5	1.0
816	Advanced Theatre	9-12	2	5	1.0
818	Band I	9-12	2	5	1.0
819	Band II	9-12	2	5	1.0
820	Band III	9-12	2	5	1.0
821	Band IV	9-12	2	5	1.0
824	Jazz Ensemble	10-12	2	5	1.0
825	Intro. to Guitar	9-12	1	5	0.5
827	AP Music Theory	11-12	2	5	1.0

*All Music courses satisfy Arts requirement. Course descriptions may be found on Pages 63-65.

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
831	Academy Art I	10	2	5	1.0
832	Art II	10-12	2	5	1.0
834	Art III-Painting and Drawing	11-12	2	5	1.0
835	Art IV	11-12	2	5	1.0
836	Ceramics	9-12	1	5	0.5

*All Art courses satisfy Arts requirement. Course descriptions may be found on Page 65.

DRIVERS EDUCATION/DIVERSIFIED CO-OPERATIVE EDUCATION/PSSA

Course Number	COURSE TITLE	Recommended Grade Level	Number of Semesters Per Year	Periods Per Week	Units of Credit Per Year
909	Drivers Education Theory	10-12	2	1-2	0.3
910	Drivers Education: Behind the Wheel	10-12	2	1-2	0.0
905	Diversified Cooperative Education	12	2	20	3
900	PSSA Math 12	12	2	2-3	0.5
901	PSSA Reading 12	12	2	2-3	0.5
902	PSSA Math 9	9	2	2-3	0.5
903	PSSA Reading 9	9	2	2-3	0.5
907	Freshman Seminar	9	2	5	1.0
908	Senior Graduation Project	12	2	0	0.0

Course descriptions may be found on Page 66-67.

LEARNING SUPPORT COURSE OFFERINGS (Pages 67-69)

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
915	General Science	9	2	5	1.0
916	Basic Biology	10	2	5	1.0
917	Earth Science	11	2	5	1.0
918	Environmental Science	12	2	5	1.0
919	Basic Civics I	9	2	5	1.0
920	Basic World History II	10	2	5	1.0
921	Basic American History III	11	2	5	1.0
922	Basic Pol. Sci./US Hist IV	12	2	5	1.0
923	Basic Language Arts	9-12	2	5	1.0
930	Reading	9-12	2	5	1.0
932	Vocational Education	9-12	2	5	1.0
933	Self-Advocacy	11	2	2-3	0.5
934	Senior Research	12	2	5	1.0
936	General Health	10-12	2	5	1.0
937	Current Research	12	2	5	1.0

Fayette County Area Vocational-Technical School

175 Georges Fairchance Road
Uniontown, PA 15401
(724) 437-2721

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

GUIDELINES:

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

A student will not be permitted to attend the FCAVTS if they have failed more than one class at their home school the semester before attending the FCAVTS. **All courses are open to male and female students.**

A student that fails their program at the FCAVTS is not permitted to attend the FCAVTS for two semesters and must select another program should they choose to return to the FCAVTS.

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

GRADE ALIGNMENT

SHOP	TEACHER	SEM 1	SEM 2
Heating/AC and Ventilation	Mr. Rice	10/11/12	10/11/12
Auto Body	Mr. Trimbath	10/11/12	10/11/12
Ag/Environmental Resources	Mr. Herring	10/11/12	10/11/12
Auto Mechanics	Mr. Lindsey	10/11/12	10/11/12
Building Trades Construction	Mr. Petrucci	10/11/12	10/11/12
Carpentry	Mr. Howser	10/11/12	10/11/12
Hospitality/Lodging Mgt.	Ms. Hutton	10/11/12	10/11/12
Cosmetology	Mrs. Shaulis	10/11/12	10/11/12
Diesel Mechanics	Mr. Kopusko	10/11/12	10/11/12
Computer Technology	Mrs. Dean	10/11/12	10/11/12
Drafting and Design	Mr. Patchan	12	N/A
Electricity	Mr. Rossi	10/11/12	10/11/12
Culinary Arts	Mrs. McKulka	10/11/12	10/11/12
Graphic Arts	Mr. Bowers	10/11/12	10/11/12
Health Occupations	Mrs. Rossell	10/11/12	10/11/12
Masonry	Mr. Motchar	10/11/12	10/11/12
Machine Technology	Mr. DeGusipe	10/11/12	10/11/12
Welding	Mr. Oravets	10/11/12	10/11/12

Review the Fayette County AVTS program description on Pages 20 to 23 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.

TRANSPORTATION

AUTO BODY

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

AUTO MECHANICS

The Auto Mechanics course is designed to give the student basic knowledge in maintenance and repair of motor vehicles. The student will gain an understanding of special tools and equipment required for automotive repair. Each student is encouraged to develop proper attitudes along with the necessary manipulative skills and technical knowledge that will allow him/her to advance according to his/her abilities. The program is taught by group and individual instruction, demonstration,

and “hands on” application. Students considering this program should exhibit skills in manual dexterity and have a desire to work in the automotive repair industry. Students completing the program may find entry-level employment as a mechanic, technician, parts manager, sales person, and a variety of related positions.

DIESEL MECHANICS

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

TECHNOLOGY PROGRAMS

DRAFTING AND DESIGN

The Drafting and Design course is developed to prepare students as well-rounded drafters for entry level career opportunities in mechanical and architectural drafting. Students enrolled in this course will initially deal with manual drafting skills such as letter sketching, orthographic projection, dimensioning, and sectioning. The latter part of the program is devoted to drafting with some aid of a computer. Computer Aided Drafting and Design (CADD) is an integral part of the program making our graduates competitive in this rapidly expanding area. Students entering the program with good mathematical and communication skills with an interest in the art of design can excel in this program. Upon completion students will be prepared for immediate employment, or can often be tested for advanced placement in post-secondary schools.

ELECTRICITY

The Electronics course covers electronic fundamentals including D.C. and A.C. electronics, solid-state devices and electronic circuits. Students become familiarized with various electronic devices and circuits. They develop skills in reading schematic diagrams, fabrication circuits and use of test equipment. The course covers mathematic topics needed in understanding electronic concepts. Hard working students, with good aptitudes in mathematics and reading, and have technical curiosity are successful in this program. Students completing this course can begin entry-level positions in development or repair of electronic devices. Students can also enter higher education in specific areas such as artificial intelligence systems, robotics, computer aided design, space exploration, medical, consumer, and industrial electronics, aviation, communication systems, etc.

MACHINE TECHNOLOGY

This course is designed to prepare students for entry-level positions in industry as well as give students a firm background in mechanical operations should they pursue higher education. Students with appropriate mathematic skills who have a desire to learn how to build or repair mechanical objects can excel in this program and will be competitive in the job market. During the course students will be presented information along with hands-on training in shaping metal or composite materials with a variety of metal working machines. By completion of the course, students should be proficient in the use of machine tools, numeric control programming, computer numeric control programming and rebuilding of industrial equipment.

COMPUTER TECHNOLOGY

This program prepares students to enter the high-tech computer field. Students will train on the latest computer equipment learning some of the hottest skills for the 21st century. Training includes Computer Programming (Visual Basic and Visual C++), Networking (Novell and Windows NT), Hardware Support and Maintenance, Software Support (Major Business Applications) and Internet Operations. Our “hands-on” approach provides students with the experience necessary to be competitive in the high-tech computer field. The Computer and Information Science Program lays the ground work for

students wishing to take professional level certification exams and also those who want to continue their education beyond the secondary education level.

SERVICE PROGRAMS

AGRICULTURE

The program will provide students with information and knowledge essential to enter occupations or pursue post high school training in the areas of soil and water management, forest and wildlife management, parks and recreational area management, and animal products sales. Through laboratory activities, students will learn water quality control, forestry and forest products production, small animal management, aquaculture, play area and athletic grounds care, and land reclamation and restoration studies. Students who have an interest in working outdoors or with animals will gain "hands on" experience in a variety of job related activities.

COSMETOLOGY

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

CULINARY ARTS

Students enrolled in the Food Service program learn the main functions of food service personnel: ordering, preparing, cooking, and serving of food in restaurants, snack bars, cafeterias, hotels, institutions and other dining places. Students receive instruction and practical applications of the food service industry. Nutrition, sanitation, and restaurant management are also studied throughout the course. Through completion of this program, students interested in any of the food service occupations will be prepared for entry-level positions in a wide variety of jobs. Students can also seek higher education in this field through colleges, universities, and specialty schools such as culinary institutes.

GRAPHIC ARTS

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

HEALTH OCCUPATIONS

This course is designed to introduce students to a wide variety of paraprofessional careers in health occupations. Students are provided technical information and will engage in activities designed to develop practical skills needed in the health occupations. Upon completion of this course, students can enter directly into a number of entry-level positions in health care facilities. Included in this three-year program is a state approved Nurse's Aid Training Program with supervised practical training. Students interested in continuing their education can choose from a wide variety of health related curriculums 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.

CONSTRUCTION/MANUFACTURING

BUILDING TRADES CONSTRUCTION

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

CARPENTRY

The Carpentry course trains students in the proper use of hand and power tools through a series of projects that are designed to build skills in carpentry-related trades covered throughout the course. Students who are interested in construction and enjoy physical work both indoors and outdoors can be successful in this program. Students completing the program can enter the field with credit towards an apprenticeship and will be prepared to take the National Occupational Competency Test (NOTCI) for Carpentry.

HEATING/AC AND VENTILATION

Environmental climate control is expanding in all residential, commercial and industrial areas. Therefore, the Heating/Ventilating/Air Conditioning (HVAC) industry is in need of skilled, trained personnel at all levels. The HVAC program includes training in installation, repair, basic trouble-shooting, and maintenance of environmental climate control equipment in residential, commercial and industrial buildings and vehicles. Students who enjoy working with their minds and hands and have an interest in HVAC have the opportunity through this program to gain the skills necessary to gain entry-level positions in this field or can seek higher education. Some graduates of this program have been successful in completing higher education through associate degree programs in Energy Systems Technology, HVAC and similar areas at local universities and technical schools.

MASONRY

The Masonry course is designed to give a student general knowledge in the field of bricklaying and cement work. Students are given practical instruction in the lab and occasionally on actual jobs in the field. Projects include pouring sidewalks, patios and concrete floors, laying tile walls and floors, and building small walls and buildings of brick and stone. Good manual dexterity is helpful for students entering this program along with an enjoyment of hand and outdoor work. Upon completion of the program, the student is ready to start an apprenticeship program or entry-level position.

WELDING

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

MATH PROGRAM

The Fayette County AVTS Math Program provides students with the opportunity to enroll in math classes. These classes serve as a supplement to the math provided in their individual shops. This program also enables students to take

appropriate math courses necessary for post-secondary education entrance requirements. One-half credit can be earned each semester in any of the following courses based on student need: Integrated Math, Algebra I, Algebra II, and Trigonometry. In addition, students not scoring Proficient on the PSSA Math Assessment will be scheduled for a PSSA Math Remediation course.

COOPERATIVE EDUCATION

Cooperative Education combines classroom study with planned and supervised 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.

RESOURCE/SUPPORT SERVICES

Students attending the Fayette County AVTS are scheduled regularly to participate in a variety of learning activities in a high-tech Resource Room. Reinforcement is provided for students to enable them to acquire skills in verbal comprehension, math computation, and science technologies as related to their vocational training program. Students also receive career awareness training and transitional services from school to post-school employment or post-secondary training. These services are provided on an individual basis with the aid of computer-assisted instruction.

ORGANIZATIONS

V.I.C.A. (Vocational Industrial Clubs of America) is a national organization designed exclusively for trade, technical, industrial and health students. V.I.C.A. 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. V.I.C.A. 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.

F.F.A. (Future Farmers of America) is basically a youth organization designed to develop leadership cooperation, citizenship, and patriotism. F.F.A. offers students the opportunity to participate in local, regional, state and national skill contests and events. Through F.F.A., students learn about the various areas of horticulture and agriculture as well as the applicable skills.

COURSE OFFERINGS

LANGUAGE ARTS

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

002 ACADEMIC ENGLISH I (Freshmen) (1 CREDIT)

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

003 HONORS ENGLISH I (Academic Freshmen—B average) (1 CREDIT)

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 a college-bound vocabulary study complement this course.

Note: Two novels will be required to be read during the summer preceding this 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.

005A ACADEMIC ENGLISH/LANGUAGE SKILLS IIA (VT Sophomores) (0.5 CREDIT)

This course includes the basic fundamentals of English grammar, usage, and mechanics. Writing includes paragraphs, essays and exposition. Research techniques will be developed.

005B ACADEMIC ENGLISH/LITERATURE APPRECIATION IIB(VT Sophomores) (0.5 CREDIT)

This course includes the reading of short stories, plays, poetry and novels in order to understand and to appreciate the content. Writing includes paragraphs, essays and exposition.

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

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

Note: Two novels will be required to be read during the summer preceding this course.

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

008A ACADEMIC ENGLISH/LANG SKILLS IIIA (VT Juniors—one semester) (0.5 CREDIT)

The necessity of proper sentence skills including punctuation, capitalization, subject-verb agreement, and language changes and structure will be stressed. Paragraph and theme writing are an integral part of this course.

008B ACADEMIC ENGLISH/LITERATURE APPRECIATION IIIB (VT Juniors—one semester) (0.5 CREDIT)

Students will read, analyze, and critique biographies, poems, short stories, and drama in American literature and its inherent vocabulary. The objectives of this course are to comprehend and appreciate the content, to expand vocabulary, and to unite these skills effectively through literature appreciation.

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

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

Note: Two assigned novels will be required during the summer preceding this course.

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

010 ENGLISH IV (SENIORS) (1 CREDIT)

This course contains advanced vocabulary mastery, advanced written communication, research techniques, and critical analyses of English authors. Students will read and analyze various literary genre. A selected novella will be studied, along

with an in-depth study of Mac Beth. Students will write literature-related compositions, visit the school library for outside readings, and study a literature-based vocabulary enrichment program. This course also contains the "Resume as a Tool of Big Business." Students will study career choosing and job requirements, and learn the forms for writing a resume/business letter and completing job applications.

011 ACADEMIC ENGLISH IV (Seniors) (1 CREDIT)

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

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

This course emphasizes the development of skills in critical reading of literature and in writing about literature and related ideas. It is for students capable of doing college-level work in English while they are in secondary school, who are willing to devote the energy necessary to complete a course more rigorous and demanding than other high school English courses designed for the college-bound student. Two assigned novels must be read during the summer, and students will be given a writing prompt based on the novels. Students in this class must have a "B" or better average in the Junior Honors English Class and be recommended by their previous English teacher.

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

This course is intended for Academic Arts and Honors students who wish to develop and polish their speaking skills. Focus will be placed upon development of skills of organization, logic, manuscript preparation and criticism. Students will perform dramatic interpretations, engage in in-class debates and will be offered the opportunity to debate in a civic forum. The course may be repeated for credit with prior teacher and principal approval.

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

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

903 PSSA READING 9 (Freshmen) (This class does not satisfy required english credit.) (0.5 CREDIT)

Grade 9 students failing to score at the Proficient or Advanced Level on the PSSA Reading Assessment administered during their eighth-grade year will be scheduled for a PSSA Reading remediation class during their Freshman year.

SOCIAL STUDIES

100 CIVICS (Freshmen) (1.0 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- B average) (Teacher Recommendation) (1 CREDIT)

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

This class will take a detailed look at the American system of government, starting at our English roots. It will examine the Articles of confederation and the current Constitution. It will examine the amendments from their original intent to modern interpretation. We will look at the rights and responsibilities of citizenship. We will also examine the American Economic system. This class requires the student to write in class essays as well as research based essays to be done as homework.

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.

102A WORLD HISTORY A (VT Sophomores) (0.5 CREDIT)

This course is designed to show the student the social, political, economic and religious characteristics of the different cultural regions of the world. Special emphasis will be placed upon 14th, 15th, 16th, and 17th centuries. Students will explore Reformation and the Age of Discovery.

102B WORLD HISTORY B (VT Sophomores) (0.5CREDIT)

This course is designed to show the student the social, political, economic and religious characteristics of the different cultural regions of the world. Special emphasis will be placed upon European History in the 18th, 19th, and 20th centuries. General topics include the French Revolution, Imperialism, World War I and World War II.

103 HONORS WORLD HISTORY (Academic Sophomores – B Average) (1 CREDIT)

The Honors World History course goes beyond the regular World History course to a more in-depth analysis of World History. The course will include outside reading assignments, research and essay testing.

104 AMERICAN HISTORY (Juniors) (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.

104A AMERICAN HISTORY A (VT Juniors) (1 CREDIT)

American History follows a sequential pattern from the period of Reconstruction to 1900. Topics will include Reconstruction and the New South, the conquest of the western United States, and Industrial Supremacy of the United States. Study will include examples from other cultures and sub-cultures and from current events, providing a broad base of comparison from which the students may obtain a deeper understanding of basic social science knowledge and abilities.

104B AMERICAN HISTORY B (VT Juniors) (1 CREDIT)

American History follows a sequential pattern from the period of 1900 to 1941. Topics will include the Imperial Republic and the aftermath of the Spanish American War, the rise of Progressionism, the Battle for National Reform, America and the Great War, the Roaring Twenties, the Great Depression, and the New Deal. Study will include examples from other cultures and sub-cultures and from current events that provide a broad base of comparison from which the students may obtain a deeper understanding of basic social science knowledge and abilities.

105 ADVANCED PLACEMENT AMERICAN HISTORY (1 CREDIT)

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

The advanced placement course in American History makes demands on students that are equivalent to those of an introductory college course. It gives students a thorough grounding in facts, their context, and their causes and results. Students learn how to read historical material analytically and critically, to weigh historical evidence and interpretations, and to arrive at conclusions on the basis of facts rather than prejudices. **This course will require summer assignments to be completed prior to the beginning of next school year.**

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.

106A POLITICAL SCIENCE (VT Seniors) (0.5 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.

106B RECENT U.S. HISTORY – (VT Seniors) (0.5 CREDIT)

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.

110 US GOVERNMENT/COMPARATIVE GOVERNMENT AND POLITICS (Seniors)(1 CREDIT)

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

This course includes the study of 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. 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. One

half of the school year will be devoted to the study of US government and the other half of the year will be devoted to comparing the governments of China, Iran, Mexico, Nigeria, Russia, and the United Kingdom. **This course will require summer assignments to be completed prior to the beginning of next school year.**

126 PSYCHOLOGY (Sophomores, Juniors, and Seniors) (1 CREDIT)

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

127 CURRENT EVENTS (Sophomores, Juniors and Seniors) (1 CREDIT)

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 will be debated and discussed daily.

130 ADVANCED PLACEMENT PSYCHOLOGY (Juniors and Seniors) (1 CREDIT)

Prerequisite: Honors World History or AP American History

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. A summer reading/outlining assignment will be required. **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.**

MATHEMATICS

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

The first course of beginning Algebra skills including expressions, equations, integers, polynomials, factoring, ratio, proportion, percent, and the coordinate plane. Also, PA State Standards in Algebra and PSSA applications are stressed.

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

The continuation of algebra skills into more advanced concepts such as linear functions and inequalities and systems of equations.

202 GEOMETRY 11 (Juniors) (1 CREDIT)

Course includes basic Geometry skills with an emphasis on properties of figures and shapes. The right triangle will be developed. All formulas for area, perimeter, surface area, and volume will be used.

203 ALGEBRA 12 (Seniors) (1 CREDIT)

The continuation of algebra skills into more advanced concepts such as quadratic functions, rational and radical functions and matrices. The second semester will include concepts of consumer mathematics.

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

Basic mathematical skills needed for higher mathematics and science courses are taught here. Algebra helps in the solution of problems too difficult for the use of ordinary arithmetic.

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

Prerequisite: Algebra I, Geometry

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

208 HONORS ADVANCED ALGEBRA (Sophomores) (1 CREDIT)

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

This course emphasizes facility with Algebraic expressions and forms, especially linear and quadratic forms, powers and roots and functions based on these concepts. Students study logarithmic, trigonometric, polynomial and special

functions both for their abstract properties and as a tool for modeling real-world situations. At no time throughout the year is a student permitted to transfer from this course to traditional Algebra II.

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

Prerequisite: Algebra I

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 1 with a “C” or better average.

210 HONORS GEOMETRY (Freshmen) (1 CREDIT)

Prerequisite: “C” or better in Honors Algebra I

Algebra is integrated with Geometry and coordinates and transformations are used throughout in both two and three dimensions. Measurement, area, and volume are presented early. Proof is developed slowly and carefully. History, famous problems, and real-life situations justify important concepts while motivating students. At no time throughout the year is a student permitted to transfer from this course to traditional Geometry.

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

Prerequisites: “B” or better in Honors Advanced Algebra “10”

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

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

Prerequisites: Algebra I, II and Geometry

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

213 PRE-CALCULUS/STATISTICS (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” (1 CREDIT)

Prerequisite: “B” or better in 211 Trigonometry/Functions/Pre-Calculus “11”

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 a second option to earn three transferable college level credits from California University of PA for a fee of \$75, through the College in High School Program.

215 CALCULUS (Seniors) (1 CREDIT)

Pre-requisite: “B-” or better in Honors Functions/Trigonometry /Pre-Calculus, or Trigonometry/Pre-Calculus I

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

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

Prerequisite: Recommended to be taken following, but may be taken in addition to Algebra II or Geometry 11.

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 \$125 through the College in High School Program of the University.

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

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

902 PSSA MATH 9 (Freshmen) (0.5 CREDIT) (This class does not satisfy required math credit.)

Grade 9 students failing to score at the Proficient or Advanced Level on the PSSA Mathematics Assessment administered during the eighth-grade year will be scheduled for a PSSA Mathematics remediation class during the Freshman year. This course reviews the basic mathematics, algebra, and geometry concepts using problems similar to those included on the PSSA test. Specific instructions, assessments, and diagnostics for each standard are addressed.

COMPUTER SCIENCE

232 INTRODUCTORY PROGRAMMING/JAVA (Juniors and Seniors) (1 CREDIT)

Prerequisite: Algebra II (must have at least a C average)

This is an introductory course that will expose the students to elements of programming using various programming languages, primarily JAVA. Critical for students wishing to major in Engineering, Computer Science, or any related field. Students will be given the option of earning three transferable college credits in CS007 (Intro to Computer Programming) through the University of Pittsburgh's College in High School program.

233 AP COMPUTER SCIENCE/PROGRAMMING IN JAVA (Juniors and Seniors only) (1 CREDIT)

Prerequisite: Introductory Programming (must have at least a B average)

This course uses the student's previous background with advanced programming topics. Students will be given the background necessary to take the Advanced Placement test in Computer Science (A). Students will be given the option of enrolling in the University of Pittsburgh College in High School Program, with the possibility of earning three transferable college credits in Intermediate JAVA (fee of \$85.00). Course will include lectures, class discussion, computer programming projects, homework, and tests.

235 VISUAL BASIC (Freshmen, Sophomores, Juniors, and Seniors) (1 CREDIT)

Prerequisite: Algebra I (C or better average)

This course will teach the aspects of programming using Microsoft Visual Basic. Topics will cover areas from basic programs to programs involving advanced data structures such as arrays, files, sorting routines, stacks, and other features of windows programming. Course will include lectures, notes, quizzes, tests, and programming projects.

SCIENCE

301 BIOLOGY I (Freshmen) (1 CREDIT)

Ninth grade biology is an introduction to the scientific study of living things. Basic biological concepts such as the scientific method, parts of the cell, use of the microscope, the classification system, dissection of small animals, and important men of biology are covered. Environmental awareness will be stressed through identification of common species of plants, animals, protists, monerans, and fungi. Drug and alcohol prevention education is incorporated in this course.

302 HONORS BIOLOGY I (Freshmen) (1 CREDIT)

This course is an introduction to the scientific study of living things. Basic biological concepts such as the scientific method, parts of the cell, use of the microscope, the classification system, dissection of small animals, and important men of biology are covered. Environmental awareness will be stressed through identification of common species of plants, animals, protists, monerans and fungi. Course requirements include insect collection, leaf collection and student notebook. Drug and alcohol prevention education is incorporated in this course.

306 APPLIED BIOLOGY AND CHEMISTRY I (Sophomores, Juniors and Seniors) (1 CREDIT)

This course presents biology and chemistry in the context of work, home society, and the environment. It uses an applications-oriented approach to teach the concepts of biology and chemistry. It emphasizes problem solving,

decision-making, and hands-on learning. Units covered include natural resources, waste and waste management, and synthetic materials.

NOTE: Course does not fulfill academic course requirement for chemistry.

307 APPLIED BIOLOGY AND CHEMISTRY II (Sophomores, Juniors, and Seniors)(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 and life processes, disease and wellness, nutrition, plant growth and reproduction, and microorganisms.

NOTE: Course does not fulfill academic course requirement for chemistry.

308 CHEMISTRY I (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 ACADEMIC PHYSICS (Juniors and Seniors) (Lab—two days a week) (1.4 CREDITS)

Prerequisite: Algebra I, II, and Geometry

Note: Students should schedule Physics and Trigonometry the same year.

Students enrolled in the academic curriculum and considering going to college or a technical school should take this course as a junior or senior. The course in Physics covers several areas describing the world in which we live: objects in motion, forces & energy, light & optics, electricity & magnetism, and atomic & nuclear theory. The course content is supported with demonstrations, a strong laboratory approach and a thorough background in problem solving. This course is intended to provide you with the solid high school background in physics that most colleges expect their incoming freshmen to possess.

310 AP CHEMISTRY II (Juniors and Seniors) (Lab—three days a week)(1.6 CREDITS)

Prerequisite: B or better in Honors Chemistry or teacher recommendation and currently enrolled in Honors Advanced Algebra, Algebra II, or Trigonometry/Pre-Calculus. **A summer review packet will be assigned in May to perspective students.**

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

311 AP PHYSICS (Seniors) (1 CREDIT)

Prerequisite: The student enrolling in this course should have previously taken Academic Physics and should also be taking Calculus during the senior year. Teacher Recommendation

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

312 ANATOMY/PHYSIOLOGY (Seniors) (1 CREDIT)

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

313 AP BIOLOGY (Academic Juniors and Seniors) (Lab—three days a week) (1.6 CREDITS)

Prerequisite: A "B" average in Academic Biology I and Chemistry I and Teacher Rec.

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 kind 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. examination. If successful on this exam, they may receive college credit for their studies. Students may also opt to enroll in the California University of Pennsylvania's Cal U in the High School Program and earn four college credits for the successful completion of the course. There is an additional fee of \$100 to receive college credit from California University.

314 APPLIED PHYSICS I (Sophomores, Juniors, and Seniors) (1 CREDIT)

Prerequisite: Integrated Math I or Algebra I, "C" or better

This is a course devoted to the understanding of practical applications of the principles of Physics and related math concepts. Students learn through an integrated package of competency-based text materials, hands-on lab activities, video programs, and math skills labs. Covers the concepts of Force, Work, Rate, Resistance, Energy and Power. Allows students to develop the fundamental problem solving skills that they will need to adapt to the challenging demands of college, trade school, or job environment.

315 APPLIED PHYSICS II (Juniors and Seniors) (1 CREDIT)

Prerequisite: Applied Physics I, "C" or better

This course is a continuation of the work begun in Applied Physics I. Topics covered are Force Transformers, Momentum, Waves and Vibrations, Energy Convertors, Transducers, Radiation, Light and Optical Systems, and Time Constants. Students will continue to study through the use of an integrated package of competency-based text materials, hands-on lab activities, video programs, and math skills labs. Recommended for students planning to attend college or technical school after graduation.

316 HONORS CHEMISTRY I (Sophomores, Juniors, and Seniors) (1 CREDIT)

Prerequisite: B or better in Honors Biology and Honors Geometry – or teacher recommendation. **A summer review packet on mathematical skills inherent to the class will be assigned in May to perspective students.**

This course is for the student who excels in science and mathematics and is interested in pursuing a career in chemistry or a related field. Topics to be covered are measurement, accuracy and precision, laboratory procedures, quantum theory, periodic trends, nomenclature, stoichiometric procedures, gas laws, an overview of atomic theory, basic organic concepts, nuclear reactions, and acid/base concepts.

320 VT ABC IA (VT Sophomores)(0.5 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. Unit covered includes natural resources.

321 VT ABC IB (VT Juniors) (0.5 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. Unit covered includes waste and waste management.

322 ABC IIA (VT Seniors) (0.5 CREDIT)

Prerequisite: VT ABC I

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. Areas covered include basic genetics, viral and bacterial diseases,, and drug awareness education

323 ABC IIB (VT Seniors) (0.5 CREDIT)

Prerequisite: VT ABC I

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. Areas covered include nervous, circulatory, digestive and respiratory systems as well as body metabolism, enzymes, and developmental stages.

PHYSICAL EDUCATION

401 P.E. I B (Freshmen) (0.25 CREDIT) 2-3 days/week

403 AQUATICS I B (Freshmen) (0.25 CREDIT) 2-3 days/week

These courses are designed to reinforce the basic skills needed for progression in physical development and skill level. Team sports and physical fitness are emphasized. Freshmen swimming provides basic skills for everyone. Included will be instruction on front crawl, back crawl, elementary backstroke, breaststroke, side stroke, and various diving skills. Basic pool safety and life saving skills will also be covered.

NOTE: Freshmen are required to take and pass one semester each of Aquatics and P.E.

402 P.E. I G (Freshmen) (0.25 CREDIT) 2-3 days/week

404 AQUATICS I G (Freshmen) (0.25 CREDIT) 2-3 days/week

These courses are designed to reinforce the basic skills needed for progression in physical development and skill level. Team sports and physical fitness are emphasized. Freshmen swimming provides basic skills for everyone. Included will be instruction on front crawl, back crawl, elementary backstroke, breaststroke, side stroke, and various diving skills. Basic pool safety and life saving skills will also be covered.

NOTE: Freshmen are required to take and pass one semester each of Aquatics and P.E.

407A P.E. II III IV B (Sophomores, Juniors, and Seniors) (0.25 CREDIT)

407B P.E. II III IV B (Sophomores, Juniors, and Seniors) (0.25 CREDIT)

Both sections A and B must be scheduled for full year students -- 2-3 days/week—2 semesters

This course is designed 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. Team sports and physical fitness are emphasized. Sportsmanship and competition are important elements of this course. A variety of activities are available.

408A P.E. II III IV G (Sophomores, Juniors, and Seniors) (0.25 CREDIT)

408B P.E. II III IV G (Sophomores, Juniors, and Seniors) (0.25 CREDIT)

Both sections A and B must be scheduled for full year students -- 2-3 days/week—2 semesters

This course is designed 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. Team sports and physical fitness are emphasized. Sportsmanship and competition are important elements of this course. A variety of activities are available.

409A AQUATICS II III IV B/G (Sophomores, Juniors, and Seniors) (0.25 CREDIT)

409B AQUATICS II III IV B/G (Sophomores, Juniors, and Seniors) (0.25 CREDIT)

Both sections A and B must be scheduled for full year students -- 2-3 days/week—2 semesters

Students enrolling in Aquatics II III IV must have passed beginner's test or screening by the instructor. Lower level skills will focus on the five basic strokes: (crawl stroke, elementary backstroke, breaststroke, sidestroke, backstroke) and aquatics scuba. Upper level students must have passed intermediate test or screening by instructor. Upper level skills will consist of stroke perfection, treading water for one minute, diving, masks, fins, and snorkel skills and water safety.

410A HEALTH II B (Sophomores) (0.25 CREDIT)

410B HEALTH II B (Sophomores) (0.25 CREDIT)

Both sections A and B must be scheduled for full year students -- 2-3 days/week—2 semesters

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.

411A HEALTH II G (Sophomores) (0.25 CREDIT)

411B HEALTH II G (Sophomores) (0.25 CREDIT)

Both sections A and B must be scheduled for full year students -- 2-3 days/week—2 semesters

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.

422 LIFEGUARD TRAINING (Juniors and Seniors) (0.5 CREDIT)

-- 2-3 days/week—2 semesters

Prerequisite: AQUATICS I Students must be 15 years of age or older or have completed tenth grade.

- Swim 500 yards continuously in the following order:
- 200 yards of front crawl using rhythmic breathing and a stabilizing, propellant kick. Rhythmic breathing can be performed either by breathing to the side or to the front.
- 100 yards of breaststroke.
- 200 yards of either front crawl using rhythmic breathing or breaststroke. The 200 yards may be a mixture of front crawl and breaststroke.
- Swim 20 yards using front crawl or breaststroke, surface dive to a dept of 7-10 feet, retrieve a 10 pound object, return to the surface and swim 20 yards back to the starting point with the object. When returning to the starting point, the participant's face must remain above the water and the participant must hold the 10 pound object with both hands.
- CERTIFICATE VALIDITY: Lifeguard Training and First Aid--3 years
- CPR for the Professional Rescuer – 1 year
- CPR-AED Certified – 1 year

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

-- 2-3 days/week—2 semesters

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.

FOREIGN 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 first part of the French I course is devoted to listening and speaking, learning French pronunciation and sentence structure 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 elementary French.

502 FRENCH II (Freshmen, Sophomores, Juniors, and Seniors) (1 CREDIT)

Prerequisite: A 'C' or better in FRENCH I

Besides the increased proficiency in conversational skills it affords, the French II course implements the command of the French language by introduction of the many 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.

503 FRENCH III (Juniors and Seniors) (1 CREDIT)

Prerequisite: B or better FRENCH II

Students in French III course expand their vocabulary and knowledge of French speaking countries from cultural readings and excerpts from classic French Literature. There is a continuous review of previous grammatical structures which are built upon to increase fluency and sophistication. There is increased emphasis on speaking and reading French while building cultural and geographical awareness.

504 FRENCH IV (Juniors & Seniors) (1 CREDIT)

Prerequisite: FRENCH III

Students in French IV continue to expand their cultural awareness and reading skills by reading excerpts from classic French literature. There is also an emphasis on current events in francophone politics, social change and everyday life. Original writing is also emphasized as increasingly sophisticated grammatical structures are introduced.

505 AP FRENCH V (Seniors)

Prerequisite – FRENCH IV and instructor's recommendation

Students will spend the year preparing for the AP Language exam in May. To this end, students will practice speaking French in skits, complete open-ended exercises and use current events. Students will complete exercises to analyze grammar points, listen to tapes and write short compositions of 50, 100, and finally, 200 words. The internet will be used to gather some topical information. Students will have an opportunity to review previous AP exams from which they can practice. It should prove to be a busy but enjoyable year! Bienvenue et venez nombreux! (Depending upon

availability of faculty members, this course may be taught as a Level Five Class – not AP Level. This determination will be made in June.)

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 command of the present tense will be achieved. Through cultural readings, the student will learn about the people who speak Spanish.

507 SPANISH II (Freshmen, Sophomores, Juniors, and Seniors) (1 CREDIT)

Prerequisite: 'C' or better in SPANISH I

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 preterite, 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. 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 California University offers Spanish Level I (3 credits) for a nominal fee. The final grade, given for Spanish III, will be the grade on the transcript from California University. **California University credit is only available for Juniors and Seniors.** Students may choose not to accept the Cal U credits.

509 SPANISH IV (Juniors and Seniors) (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. Students will have the opportunity to play games, complete art projects, watch movies in Spanish, and compete in a foreign language competition.

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. California University offers Spanish Level II (3 credits) for a nominal fee. The final grade given for Spanish IV, will be the grade on the transcript from California University. Students may choose not to accept the Cal U credits.

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. Students who successfully complete the May examination can earn up to twelve college credits in Spanish depending on the college of their choice.

512 FOREIGN CULTURES (Freshmen, Sophomores, Juniors, and Seniors) (1 CREDIT) This is a full year course highlighting the culture, customs, and contributions of France, Spain, Germany, and Russian. Occasionally, Esperanto, the Universal Language, will be taught for several weeks during the course. This course is conducted in English. Films, native speakers, and class projects will add to class enrichment.

520 GERMAN I (Freshmen, Sophomores, Juniors, and Seniors) (1 CREDIT)

This course serves as an introduction to the German language and German-speaking countries. Students will obtain an ample vocabulary and the basic grammatical patterns necessary for a trip to Germany. In addition to practicing grammar and vocabulary, the German way of life will be highlighted throughout the course. Only two levels of this course will be offered at Laurel Highlands.

521 GERMAN II (Sophomores, Juniors, and Seniors) (1 CREDIT)

Prerequisite: German I

After a thorough review of German I, this course will continue the student's active knowledge of German through additional vocabulary and more refined grammatical structures, especially verb tenses and cases. Time will be dedicated to culture and a peek into twentieth-century German history and famous people. Students will be asked periodically to go on-line and find interesting German-related topics to report on in class. Only two levels of this course will be offered at Laurel Highlands.

BUSINESS

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

Prerequisite: Keyboarding Skills

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

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

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

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

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

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

615 BOOKKEEPING (Juniors and Seniors) (1 CREDIT)

Bookkeeping may be used as a preparation for the first-year accounting course, and a recommended elective for eleventh and twelfth grade academic and General students. This course introduces tasks performed by a typical bookkeeper, progressing from simple record keeping to more advanced double-entry bookkeeping. Working from realistic business papers, students compute depreciation of assets, bad debts, cost of merchandise sold, and value of merchandise inventory, as well as preparing worksheets and financial statements. The first-semester material introduces career opportunities, basic record keeping, and an introduction to bookkeeping concepts. The second semester covers the bookkeeping cycle, including financial statements. Also, new on-the-job activities teach the attitudes and values students need for success on the job.

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

Prerequisite: Keyboarding skills, an 'A-B' average in English, a review of past attendance record **AND** instructor's approval **prior to scheduling**.

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

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

Publications incorporates the mechanics of producing the school yearbook, *The Highlander*. Working on the Yearbook is a super activity and an invaluable learning experience. Using Adobe Desktop Publishing software on the yearbook

computers, 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.

619 KEYBOARDING/MICROCOMPUTER APPLICATIONS (Freshmen, Sophomores, Juniors, Seniors)
(1 CREDIT)

During the first semester, 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. The second semester lessons will provide students with word processing, spreadsheet and database concepts and applications needed to develop a strong base toward computer literacy. Students will also be instructed in terminology and proper use of the Internet. Throughout the course, students will be required to meet department goals for typing. Students must achieve a goal of 40 w.p.m. to schedule Word Processing in the following year.

652 SECURITIES/INSURANCE CLASS (Seniors) (1 CREDIT)

This course consists of two semester classes that will introduce students to the basics of Securities and Insurance. The first semester will deal with Securities Overview, Sales, Research, Operations and math behind the market. The second semester will cover Insurance Sales and Marketing, Insurance in the Business World, Insurance Lines and Products, and Careers in Insurance. Students will follow key stocks throughout the year. There will be several guest speakers to share information about both industries.

660 INTRODUCTION TO HOSPITALITY AND TOURISM (Sophomores in the NAF Program) (1 CREDIT)

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

662 SPORTS, EVENTS, AND ENTERTAINMENT MANAGEMENT / HOSPITALITY SYSTEMS (Juniors in the NAF Program)

Management skills applicable to real-world situations will be presented with an emphasis on sports, events and entertainment planning. Students will gain hands-on experience in event planning and facility and event management. As opportunities arise, students will be given an opportunity to plan events at the school or within the community. Hospitality Systems will provide an overview of the infrastructure of the hospitality industry including and in-depth study of departments and related careers within the lodging industry. 'Strategies for Success' concepts will include resume writing, interview skills, and soft skills. Students will be required to participate in a formal interview for their internship program. Enrichment will be provided through relevant field trips and guest speakers. Consistent attendance is mandatory as many lessons cannot be repeated or retaught.

663 RESORTS MANAGEMENT AND OPERATION (Seniors – AH&T Students Only) (1 CREDIT)

Prerequisites: A 'C' or better in Introduction to Hospitality and Tourism and Sports, Events, and Entertainment Planning/Hospitality Systems.

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

907 FRESHMAN SEMINAR (Freshmen) (1 CREDIT)

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

NATIONAL ACADEMY

The mission of the National Academy Foundation (NAF) is to sustain a national network of career academies to support the development of America's youth toward personal and professional success in high school, in higher education, and throughout their careers. NAF Academies represent business/school partnerships that prepare young people for future careers through a combination of school-based curricula and work-based experiences.

650 INTRODUCTION TO FINANCE (Sophomores) (1 CREDIT)

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

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

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

652 SECURITIES/INSURANCE CLASS (Seniors) (1 CREDIT)

This course consists of two semester classes that will introduce students to the basics of Securities and Insurance. The first semester will deal with Securities Overview, Sales, Research, Operations and math behind the market. The second semester will cover Insurance Sales and Marketing, Insurance in the Business World, Insurance Lines and Products, and Careers in Insurance. Students will follow key stocks throughout the year. There will be several guest speakers to share information about both industries.

660 INTRODUCTION TO HOSPITALITY AND TOURISM (Sophomores) (1 CREDIT)

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

662 SPORTS, EVENTS, AND ENTERTAINMENT MANAGEMENT / HOSPITALITY SYSTEMS (Juniors in the NAF Program)

Management skills applicable to real-world situations will be presented with an emphasis on sports, events and entertainment planning. Students will gain hands-on experience in event planning and facility and event management. As opportunities arise, students will be given an opportunity to plan events at the school or within the community. Hospitality Systems will provide an overview of the infrastructure of the hospitality industry including and in-depth study of departments and related careers within the lodging industry. 'Strategies for Success' concepts will include resume writing, interview skills, and soft skills. Students will be required to participate in a formal interview for their internship program. Enrichment will be provided through relevant field trips and guest speakers. Consistent attendance is mandatory as many lessons cannot be repeated or retaught.

663 RESORTS MANAGEMENT AND OPERATION (Seniors – AH&T Students Only) (1 CREDIT)

Prerequisites: A 'C' or better in Introduction to Hospitality and Tourism and Sports, Events, and Entertainment Planning/Hospitality Systems.

This course will explore resort management an operation based on three areas: The first area focuses on the relationship between the natural resource base and the recreational facilities developed from that base. The second

area explores the features unique to a resort as compared to a traditional hotel. The third area focuses on guest activity programming. Students will be required to write essays based on research and information in the text, to work in groups, and to complete individual and group projects throughout the year. Enrichment will be provided through relevant field trips and guest speakers. Consistent attendance is mandatory as many lessons cannot be repeated or retaught.

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.

670 INTRO TO INFORMATION TECH/STRATEGIES FOR SUCCESS (Sophomores) (1 CREDIT)

In the Intro to IT/Strategies for Success course, students are presented with the basic concepts of Information Technology, including various career paths as well as the impact of Information Technology on the world, people and industry. The National Academy IT curriculum, along with the Internet and Computing core Certification, IC3, will be the primary focus of this course. Students will gain a solid foundation I computing skills and have the opportunity to achieve IC3 certification at the successful completion of the course. Strategies for Success helps students to develop good work and study habits, learn about school resources, prepare portfolios, develop career plans, begin preparation for college and develop solid interpersonal skills. The computer applications and IC3 segment of the course covers computing fundamentals, presentations, word processing spreadsheets, e-mail, browsers, and desktop publishing. Consistent attendance is mandatory

671 INTRO TO COMPUTER HARDWARE TECH (Sophomores, Juniors, and Seniors) (1 Credit)

Prerequisite: none

The Introduction to Computer Hardware includes information contained in the A+ computer technology certification objectives. Covered in this course are topics that detail how a computers works to advanced computer concepts. Class lessons will be accomplished by theoretical exploration and hands-on lab activities. Topics to be covered are: Microcomputer fundamentals, PC hardware, troubleshooting, Microsoft Windows OS, system boards, input/output devices, video displays, printers, data communications, multimedia systems, and preventive maintenance.

TECHNOLOGY EDUCATION

670 INTRO TO INFORMATION TECH/STRATEGIES FOR SUCCESS (Sophomores) (1 CREDIT)

In the Intro to IT/Strategies for Success course, students are presented with the basic concepts of Information Technology, including various career paths as well as the impact of Information Technology on the world, people and industry. The National Academy IT curriculum, along with the Internet and Computing core Certification, IC3, will be the primary focus of this course. Students will gain a solid foundation I computing skills and have the opportunity to achieve IC3 certification at the successful completion of the course. Strategies for Success helps students to develop good work and study habits, learn about school resources, prepare portfolios, develop career plans, begin preparation for college and develop solid interpersonal skills. The computer applications and IC3 segment of the course covers computing fundamentals, presentations, word processing spreadsheets, e-mail, browsers, and desktop publishing. Consistent attendance is mandatory

671 INTRO TO COMPUTER HARDWARE TECH (Sophomores, Juniors, and Seniors) (1 Credit)

Prerequisite: none

The Introduction to Computer Hardware includes information contained in the A+ computer technology certification objectives. Covered in this course are topics that detail how a computers works to advanced computer concepts. Class lessons will be accomplished by theoretical exploration and hands-on lab activities. Topics to be covered are: Microcomputer fundamentals, PC hardware, troubleshooting, Microsoft Windows OS, system boards, input/output devices, video displays, printers, data communications, multimedia systems, and preventive maintenance.

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

Visual Communications I is a technical elective class designed to give students experience in communicating through graphical and electronic means. Society is impacted daily by graphic images through television, magazines, billboards, etc. In today's electronic age, Internet web pages and electronic graphic images are now common forms of information exchange. This course focuses on some of the methods of graphical communication which includes traditional black and white photography, computer desktop publishing utilizing PageMaker software, digital photography and image scanning, creation of electronic presentations utilizing PowerPoint software and basic activities in the design and layout of computer printed materials such as informational posters, business cards, full page advertisements, and reproduction of package designs. Students who succeed in this course are creative, express their own ideas in designs, and are familiar with basic computer operation.

704 MECHANICAL ENGINEERING AND DESIGN I (Sophomores, Juniors and Seniors) (1 CREDIT)

No Prerequisite Seats: 16

*Dual Enrollment Course with California University of Pennsylvania

The Mechanical Engineering and Design I class is an introductory drafting course that focuses on the design, development, and drawing of mechanical parts and their relationship to the manufactured world. Drawings will consist of the reproduction of simulated and real mechanical parts. The course will start out with the basics of drafting using traditional methods and drafting tools. An emphasis will be placed on proper rendering of mechanical parts involving multiple views and accurate measuring systems. An introduction to two dimensional CAD will also be covered in this course. Students will receive a very thorough background in mechanical drafting techniques that can lead them to three dimensional CAD drafting as taught in the Mechanical Engineering II class or as a base level pre-college class for engineering and drafting. This course is listed as a dual enrollment course with California University of Pennsylvania.

705 MECHANICAL ENGINEERING AND DESIGN II (Juniors and Seniors) (1 CREDIT)

Prerequisite: 704 or instructors approval Seats: 16

Mechanical Engineering and Design II will explore the exciting field of three dimensional solid modeling of mechanical parts using PTC Pro-E Wildfire CAD software. This software is used in industry by companies such as Harley-Davidson, Caterpillar, Volkswagen, Mitsubishi, HP, LG Electronics, the US Navy, and US Air Force to name a few. This course will be a hands-on, exercise intensive class requiring students to be self learners using software tutorials and teacher guided instruction. Emphasis will be placed on using real-world machine parts as drawing examples for this class. Advanced drawings assignments will include precision measurement; description and symbols of manufacturing processes; and detailed parts breakdown views. Gaining experience in PTC's Pro-E 3D CAD software will be of great benefit to students who are choosing to pursue careers in the fields of engineering, drafting, and computer aided design.

706 ARCHITECTURAL ENGINEERING AND DESIGN I (Sophomores, Juniors and Seniors) Prerequisite: none (1 CREDIT) Seats: 16

The Architectural Engineering and Design I course is designed to teach students, with little or no background of home building methods, of how residential structures are represented in architectural drawings. Students will learn the fundamentals of various architectural drawings such as property plans, floor plans, exterior elevations (sides of a house), sectional drawings (such as wall cross sections), interior views, and landscape designs. Classroom instruction will be focused on home styles, planning considerations, building materials, material estimating, and graphical representations of how these individual materials come together to create a complete structure. This course will utilize traditional drafting equipment and drawing boards to produce residential drawings. Students who meet the expectations of this course will gain a valuable insight of home construction for future knowledge or career exploration.

707 ARCHITECTURAL ENGINEERING AND DESIGN II (Juniors and Seniors) (1 CREDIT)

Prerequisite: 706 or Instructors Approval Seats: 16

In the Architectural Engineering and Design II class, students will broaden their studies of architectural design. Areas of emphasis include design factors; environmental and functionality issues; and more complex architectural plans to include roof, framing, electrical, plumbing heating, cooling plans. Students will be encouraged to create a complete house plan of their choice as a major course project. Drawings for the Architectural II class will be accomplished using CAD stations running the 3D CAD software Chief Architect 10 and 2D CAD using AutoCAD LT 2005 software. Additional software titles will be available for student use such as Home Builder and House Designer which are 3D animated programs that allow multiple views and perspectives which give simulated home walk-throughs. Futuristic building techniques and materials will also be explored, along with automated systems and energy efficient technologies to round out this course of study.

709 INDUSTRIAL MATERIALS I (Freshmen, Sophomores, Juniors and Seniors) (1 CREDIT)

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.

711 HOME REPAIR AND MAINTENANCE ((Freshmen, Sophomores, Juniors, Seniors) (1.0 CREDIT)

Home Repair and Maintenance can provide the basis for an exciting career path. Through the study and mastery of skills related to the technology of keeping an efficient home, you will find a sufficient number of trades and professions to develop a career path. You will gain knowledge of the structure and the various systems that need to be repaired or maintained. Proper maintenance of all housing systems utilizing the hands-on approach will be stressed to prevent costly repairs in the future.

712 POWER/TRANSPORTATION I (Freshmen, Sophomores, Juniors and Seniors)(1 CREDIT)

This is an introductory course to explore the basic principles of power systems. Students develop skills in basic electricity, instrument applications, and small electrical motors. Students will work with small gas engines. Students develop a sound theory, as well as many hands-on skills necessary in repairing the small gas engine.

In addition, this class will explore the many sources of power used in our modern Technological Society. They will venture into the fields of house wiring, automotive fundamentals, fluid power, hydraulics, generators, electrical power, and small gas engine repair. A sound theory program is enhanced with a varied hands-on approach in each area.

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

Prerequisite: Industrial Materials I

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 by means of a class designed and operated assembly line. Each student will gain valuable knowledge of many career opportunities related to product mass production and modern manufacturing.

714 PRINCIPLES OF ELECTRONICS (Juniors and Seniors) (1 CREDIT)

Prerequisite: Algebra I or Geometry

This course will introduce the student to the exciting field of electronics. Each student will explore this field with many hands-on activities as well as experiments. The student will develop a working knowledge of the tools and materials needed to function in today's electronic age. PRINCIPLES OF ELECTRONICS is an introduction to the theory that governs all electronic circuits.

715 INTRODUCTION TO AUTOMATION AND AGILE ROBOTICS (Sophomores, Juniors, Seniors)(1 CREDIT)

Prerequisite: Algebra I or Geometry

This course provides a variety of introductory experiences in Automation and Robotics. Instruction will include theoretical exploration of robotic technologies; as well as practical hands-on laboratory applications using robotic trainers, automatic guided vehicles (AGV's), programming software such as C++, machine vision, automatic identification, and programmable logic controllers (PLC's). Students will investigate numerical control, coordinate systems, and programming basics. Students will learn about automation, its advantages and disadvantages and how it is applied. Students will explore the relationship of automation to people, tools, and machines. Students will also analyze the history of automation, present-day uses, and future applications.

671 INTRODUCTION TO COMPUTER HARDWARE TECH (Sophomores, Juniors and Seniors) (1 Credit)

Prerequisite: none

The Introduction to Computer Hardware includes information contained in the A+ computer technology certification objectives. Covered in this course are topics that detail how a computers works to advanced computer concepts. Class lessons will be accomplished by theoretical exploration and hands-on lab activities. Topics to be covered are: Microcomputer fundamentals, PC hardware, troubleshooting, Microsoft Windows OS, system boards, input/output devices, video displays, printers, data communications, multimedia systems, and preventive maintenance.

717 INTRODUCTION TO ENGINEERING (Sophomores, Juniors and Seniors) (1 Credit)

Prerequisite: none - - - Introduction to Engineering is the first course in the Engineering Academy cluster.

This course is designed to introduce students to the world of engineering. We live in a manufactured world; from a tube of toothpaste to jet airplanes. Engineers design, plan, test, invent, modify and adapt products for human use. In this course, students will explore the engineering profession both by classroom lessons and hands-on activities. Course content includes: historical development of engineering, engineering braches and careers, technical communications, analysis of manufactured products and using computers as tools. Hands-on activities will be conducted throughout the course to include product research, invention and design, problem solving activities, design and modeling, and opportunities for team activities and class competitions. The class will also take field trips to area manufacturing facilities and interact with engineers who visit our school.

718 DESIGN AND APPLICATIONS OF ADVANCED TECHNOLOGIES (Juniors and Seniors) (1 Credit)

Prerequisite: none Seats: 16

The Design and Applications of Advanced Technologies class is designed for students with an interest in future technologies and how they will be applied to solve problems and provide convenience to our future way of life. As most people know, technology is advancing at a rapid rate. New technologies are invented that outdate current technologies only a few years old. In this class students will explore innovations in technology fields such as nano-technology, fuel cell technologies, alternative and "green" energies, advancements in automobile technologies, computers and consumer electronics, human assisting technologies, future home and building technologies, and biotechnologies involving food and human health. Activities will include internet and media research; design projects; prototyping and modeling, exploratory activities and fieldtrips to or video conferencing with local high tech facilities and colleges.

FAMILY AND CONSUMER SCIENCE

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

Family and Consumer Sciences I is designed to give students basic courses which will help to prepare them to function effectively in today's changing world. It will include (A) Foods and Nutrition; (B) Clothing and Textiles; and (C) Consumer Education. It will include a combination of classroom work and laboratory experiences.

802 FAMILY AND CONSUMER SCIENCES II (Sophomores, Juniors and Seniors) (1 CREDIT)

Prerequisite: Completion of Family and Consumer Sciences I with a grade of C or better

Family and Consumer Sciences II will consist of a more in-depth study in the areas of Foods and Nutrition, Clothing and Textiles, and Consumer Education. It will also include a segment on Housing and Home Interiors. It will be a combination of classroom work and laboratory experiences. Some costs will be incurred by the individual for in-class projects. Projects must be completed in order to receive credit for the course.

805 HUMAN DEVELOPMENT I (Sophomores, Juniors and Seniors) (1.0 CREDIT)

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

806 HUMAN DEVELOPMENT II (Juniors and Seniors) (1.0 Credit)

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

MUSIC

808 SET DESIGN (Freshmen, Sophomores, Juniors, and Seniors) (one semester) (0.5 CREDIT)

This course will provide an opportunity for those students interested in the "creative behind-the-scenes" aspect of theatre. Students will select a script and creatively design a set using materials such as wood, foam, cardboard, and hardware to complete assigned projects. **This course may be repeated with for credit with **instructor and principal** approval.

809 FRESHMAN CHOIR (Freshmen, Sophomores, Juniors, and Seniors) (0.6 CREDIT)

This class can be repeated for credit.

This class is designed for the freshman that have had previous choral experiences. The class will be scheduled opposite physical education. Students will continue working on literature that is a continuation of your education from previous vocal instruction and concentrating on the development of the changing voice. Recognizing notation, increased accuracy with sight-reading, 3-4 part harmony, blending each part, and other techniques will be developed in this class. Students will prepare music to perform at a Christmas and Spring Concert. Participation in rehearsals and concerts is mandatory.

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

This class can be repeated for credit.

Open to all students. Previous knowledge of choral participation is not necessary. Learn the basics of choral music and proper vocal production. Participate in Christmas and Spring Concerts. Music will include Christmas, Sacred, Popular, and Classical vocal music. Participation in rehearsals and concerts is mandatory.

811 MUSIC THEORY AND TECHNOLOGY I (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 also learn sight-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.

812 MADRIGAL CHOIR (Freshmen, Sophomores, Juniors, and Seniors) (1 CREDIT)

This class can be repeated for credit Prerequisite: Audition

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 Christmas and Spring Concert. Participation in rehearsals and concerts is mandatory.

813 MUSIC APPRECIATION (Freshmen, Sophomores, Juniors, and Seniors) (1 CREDIT)

This class is open to any student interested in exploring the role of music in the entertainment industry. A general understanding of instruments and musical forms will be discussed, tracing the cultural influences on people composing or performing music and how that influenced their style and success. Students will listen to music in class daily as well as use video and the internet for examples. The class will take a closer look at the entertainment industry and discover additional ways to be involved in the enjoyment of music without being an active musician. Students discuss current events, cultural trends, music fads, and people of historical significance that shape our music world. This class cannot be repeated for credit.

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

This class cannot be repeated for credit.

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

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

This class can be repeated for credit Prerequisite: Audition and Theatre I

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

SPECIAL NOTICE TO MARCHING BAND MEMBERS

Students who are instrumentalists in the marching band are required to take at least one band class for the entire school year. You may choose from any of the four band classes or jazz ensemble. Students not able to schedule band 5 days/week may be scheduled for 2 or 3 days only if schedule does not permit the full week class. Schedules will be reviewed before partial credit classes are assigned. Students having PE Classes the same period as Band will report to Band three days/week.

818 BAND I (Freshmen, Sophomores, Juniors, and Seniors) (1 CREDIT)

This class is meant for the first year high school band student regardless of what grade they are in. Students taking this class will learn all 12 major scales while learning to apply them to real-life musical situations. Percussionists will be required to learn all 40 PAS drum rudiments. Students will be expected to play music from a variety of genres and styles. Music difficulty ranges from medium to difficult. The first nine weeks will be geared primarily toward marching band while the remaining grading periods will be geared to concert literature. Marching Band will rehearse after school at least twice a week during the first nine weeks as well as having weekend performances at football games, parades,

competitions and band festivals. The concert 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 are graded.

819 BAND II (Freshmen, Sophomores, Juniors, and Seniors) (1 CREDIT)

This class is meant for the second year high school band student. The student will build on acquired knowledge from BAND I. Students taking this class will learn major and major/minor 7th arpeggios in the 12 major keys while learning to apply them to real-life musical situations. Percussionists will be required to learn scales and arpeggios on mallet keyboard instruments. Students will be expected to play music from a variety of genres and styles. Music difficulty ranges from medium to difficult. The first nine weeks will be geared primarily toward marching band while the remaining grading periods will be geared to concert literature. Marching Band will rehearse after school at least twice a week during the first nine weeks as well as having weekend performances at football games, parades, competitions and band festivals. The concert 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 are graded.

820 BAND III (Freshmen, Sophomores, Juniors, and Seniors) (1 CREDIT)

This class is meant for the third year high school band student. The student will build on acquired knowledge from BAND I and BAND II. Students taking this class will learn minor scales in the 12 minor keys while learning to apply them to real-life musical situations. Percussionists will learn to play timpani as well as progress on mallet keyboard exercises. Students will be expected to play music from a variety of genres and styles. Music difficulty ranges from medium to difficult. The first nine weeks will be geared primarily toward marching band while the remaining grading periods will be geared to concert literature. Marching Band will rehearse after school at least twice a week during the first nine weeks as well as having weekend performances at football games, parades, competitions and band festivals. The concert 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 are graded.

821 BAND IV (Freshmen, Sophomores, Juniors, and Seniors) (1 CREDIT)

This class is meant for the fourth year high school band student. The student will build on acquired knowledge from BAND I, BAND II, and BAND III. Students taking this class will learn minor arpeggios in the 12 minor keys as well as reviewing all other musical exercises while learning to apply them to real-life musical situations. Percussionists will complete training in all areas of percussion study. Students will be expected to play music from a variety of genres and styles. Music difficulty ranges from medium to difficult. The first nine weeks will be geared primarily toward marching band while the remaining grading periods will be geared to concert literature. Marching Band will rehearse after school at least twice a week during the first nine weeks as well as having weekend performances at football games, parades, competitions and band festivals. The concert 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 are graded.

824 JAZZ ENSEMBLE (Sophomores, Juniors, and Seniors) (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 may 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 Band I, II, III, or IV. 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 mandatory and are graded.

825 INTRODUCTION TO GUITAR (Freshmen, Sophomores, Juniors, and Seniors) (One semester)(0.5 CREDIT)

This semester class is designed for the student who has no prior guitar training. **Students must provide their own acoustic guitar.** Students will learn the parts of the guitar, basic tuning procedures, basic chords, strumming and picking techniques, and melodic playing. The student will learn music through traditional notation. ALL rehearsals and performances are graded.

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

Students who enroll in this class should already have an understanding of the fundamental elements of music. Prior enrollment in a music ensemble or music theory and technology course is highly recommended. The ultimate goal of this course is to develop a student's ability to recognize, understand, and describe the basic materials and processes of music that are heard or presented in a score. The successful student will attain this goal through written exercises, aural exercises (such as sight singing and dictation), composition exercises and analysis of musical works. The content of this course examines the detailed science of written music as well as the creative, artistic and aesthetic values not necessarily found on the written page.

830 ART I (Freshmen, Sophomores, Juniors, and Seniors) (1 CREDIT)
ART I is a first level course designed to introduce students to the basic elements and principles of design. Students will use a variety of media and subject matter to create original works. Lessons in perspective, value, portrait drawing, figure drawing and abstract concepts will be combined with design and composition. Basic color knowledge will be expanded into color usage through a wide variety of media. Three-dimensional art will be explored through clay. This course is a prerequisite for Art II.

831 ACADEMY ART I (Freshmen) (1 CREDIT)
Prerequisite – Recommendation from Middle School Art Teacher
This class is an introductory course for students seriously considering a career in the visual arts. Basic elements and principles of design including color theory will be covered. Students will learn the basics of perspective and apply them to their work. Two and three dimensional media will be explored with an emphasis on composition and originality. Art history will be taught in conjunction with project assignments. All students must keep a personal sketchbook.

832 ART II (Sophomores, Juniors, and Seniors) (1 CREDIT)
Prerequisite: High school level ART I (not-Middle School Art Class)
ART II is an intermediate art course designed to expand student's individual creativity and knowledge of media. Projects using more advanced media, such as oil and acrylic paint, will elevate student's skill and craftsmanship. More complex art forms will be covered including silkscreen and multi-color block prints. Three-dimensional work will be explored through clay and other media. All students must keep a sketch book.

834 ART III—PAINTING AND DRAWING (Juniors and Seniors)(1 CREDIT)
ART III is an in-depth course concentrating on drawing and painting. Since drawing is basic to the visual arts, this course will give the student valuable experience in exploring both the creative and technical aspects of drawing. Students will learn to employ both the elements and principles of design in their work along with perspective and spatial illusion. A wide variety of media will be used including pencil, charcoal, pen and ink and pastels. In the area of painting, design, composition, and color, theory will be stressed. Students will learn about many styles and periods of painting through the use of visuals and lectures. Painting media will include tempera, watercolor, oil, acrylic and mixed media. New techniques and painting styles will be encouraged to promote creative growth. Students must maintain a sketchbook with required drawings to be submitted each week.

835 ART IV (Juniors and Seniors)(1 CREDIT)
ART IV is an advanced course designed to encourage personal style and growth. Students will work in the disciplines of drawing, painting, sculpture, and printmaking. Advanced media will be used and students will be encouraged to discover new techniques and subject matter for their art. Students will also be expected to plan and execute several of their own projects. Art history will be integrated with the student projects through film, books, and discussion. All students will be required to keep a personal sketchbook.

836 CERAMICS (Sophomores, Juniors, and Seniors) (1 semester) (0.5 CREDIT)
This is an introductory course concentrating on basic hand built ceramic construction. Students will learn glazing techniques and experience loading and firing a kiln. All students are required to keep a Ceramics Journal and record all information regarding their work in class.

REQUIRED COURSES FOR GRADUATION

900 PSSA MATH 12 (Seniors) (0.5 CREDIT) (This class does not satisfy required math credit.)
All students graduating from Laurel Highlands High School must display proficiency on the PSSA Mathematics Assessment administered during their junior year. Students failing to score at the Proficient or Advanced Level will be scheduled for this class and must participate in the PSSA retest in November. Students failing to score at the Proficient Level on the retest must remain in the class and earn a passing grade to meet the graduation requirement. This course reviews the basic mathematics, algebra, and geometry concepts using problems similar to those included on the PSSA test. Specific instructions, assessments, and diagnostics for each standard are addressed.

901 PSSA READING 12 (Seniors) (This class does not satisfy required english credit.) (0.5 CREDIT)
All students graduating from Laurel Highlands High School must display proficiency on the PSSA Reading Assessment administered during their junior year. Students failing to score at the Proficient or Advanced Level will be scheduled for this class and must participate in the PSSA retest in November. Students failing to score at the Proficient Level on the retest must remain in the class and earn a passing grade to meet the graduation requirement.

902 PSSA MATH 9 (Freshmen) (0.5 CREDIT) (This class does not satisfy required math credit.)
Grade 9 students failing to score at the Proficient or Advanced Level on the PSSA Mathematics Assessment administered during their eighth-grade year will be scheduled for a PSSA Mathematics remediation class during their Freshman year. This course reviews the basic mathematics, algebra, and geometry concepts using problems similar to those included on the PSSA test. Specific instructions, assessments, and diagnostics for each standard are addressed.

903 PSSA READING 9 (Freshmen) (This class does not satisfy required english credit.) (0.5 CREDIT)
Grade 9 students failing to score at the Proficient or Advanced Level on the PSSA Reading Assessment administered during their eighth-grade year will be scheduled for a PSSA Reading remediation class during their Freshman year.

DIVERSIFIED CO-OPERATIVE EDUCATION

905 DIVERSIFIED CO-OPERATIVE EDUCATION (Seniors only) (3 CREDITS)
Theory Class required – Supervised work site experience.
Prerequisites: C average or counselor approval; a senior in good standing for graduation; student must have own transportation, a good attendance record is important. (Students with more than fifteen (15) absences during their junior year will not be considered) Student must have a work permit on file. **Registration for this class will not be accepted after September 6, 2007.**
The student must present a letter to verify employment within the first 10 days of school, if the letter is not presented you will be assigned a regular schedule.
This senior "only" education option combines classroom study with planned and supervised on-the-job training which assists the student in understanding the world of work. Co-operative education provides employers in the community with responsible students who can be trained and skilled to meet the various community needs. Through joint cooperation of the school and the various businesses, a student is supervised in order to provide a more qualified and responsible employee on the job. Classroom theory activities include: communication skills, safety, business math, consumer information, economics, and career and job exploration. Co-op extends the school district's curriculum and is offered to students who maintain good attendance and academic records. Students must maintain a minimum GPA of 2.0 for the theory class. Students are not permitted to miss more than ten (10) days of school for the year. If the student misses the eleventh (11th) day, he/she will be removed from the program. **If removed from the program, zero (0) credit will be awarded for the elective.**

907 FRESHMAN SEMINAR (Freshmen) (1 CREDIT)
Freshman Seminar is a required course for all ninth grade students. It is designed to assist students in making the academic and social adjustment to high school. In-dept lessons use a variety of both innovative and traditional techniques: mid and long-range projects, cooperative learning activities, journal writing and computer applications. Students also practice note-taking, time management, study skills, banking, personal finance, social and human relations skills needed for their academic future.

908 SENIOR GRADUATION PROJECT (0 CREDITS)
To meet graduation requirements, every senior must complete a culminating project in one of the following areas: Career Research, Internship, or Community Service. Project proposals must be submitted by September 28, 2007, and final projects must be presented by Thursday, April 10, 2008. Project presentations must be scheduled with Mr. Sarko by February 29, 2008. If the student does not schedule a presentation date by February 29, 2008, a presentation date will be assigned from the remaining available dates.

DRIVER'S EDUCATION

909 DRIVER'S EDUCATION THEORY (Sophomores, Juniors, and Seniors) (0.3 CREDIT)
Classroom is essentially 30 hours of classroom instruction and is a prerequisite of Practice Driving. Credit will be given upon completion of class.

909A VT DRIVER'S EDUCATION THEORY (0.3 CREDIT)

910 DRIVERS BEHIND THE WHEEL (Sophomores, Juniors, and Seniors) (0 CREDIT)

LEARNING SUPPORT

911 MATH
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

This course covers math used in daily living. Topics will include employment, banking, housing, taxes, shopping and travel.

915 GENERAL SCIENCE

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.

916 BASIC BIOLOGY

Included in this course of life sciences will be classification, animal and human biology, genetic, human reproduction, and evolution.

917 EARTH SCIENCE

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.

918 ENVIRONMENTAL SCIENCE

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.

919 BASIC CIVICS I

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.

920 BASIC WORLD HISTORY II

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

921 BASIC AMERICAN HISTORY III

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.

922 BASIC POLITICAL SCIENCE/RECENT US HISTORY IV

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.

923 BASIC LANGUAGE ARTS

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

930 READING

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.

932 VOCATIONAL EDUCATION

The student will learn the concepts needed to introduce students to the workplace. They will be exploring how to get the job they want, what they need to do to keep a job, and what skills they need for living on their own. Students

develop skills and attitudes that will enable them to search out employment efficiently. Lessons include filling out application forms correctly, writing a resume, basics of interviewing, understanding work habits that employers expect from an employee, and writing different types of business letters. Other areas covered in this class will include the student gaining employability skills. The student will be introduced to managing a paycheck, filling out applications, writing letters of application, and techniques needed to have a successful job interview. Guest speakers will come to class once a month to discuss the jobs they have in the community. The students will work with a self-advocacy curriculum to teach them how to make the transition to adult life and responsibility. They will learn how to get the services they will need to help them after graduation from high school. The class will be supplemented with using the Internet to search for jobs.

933 SELF-ADVOCACY (Juniors)

The focus of this class will be on increasing students' knowledge, understanding and acceptance of their learning disability. This experimental, interactive curriculum will take students from a sense of dependence to responsible independence. Students will learn what their strengths and challenges are, identify what is interfering with their performance, learning, and employment, and develop compensations, accommodations and coping skills to help them succeed.

Successful transition from high school requires a sense of independence founded on strong advocacy skills, and an ability to transfer learning strategies from school to daily adult life. The goal of this course will be to encourage students to become active participants in planning their future.

934 SENIOR RESEARCH (Seniors)

Students will be instructed on the proper procedure to complete forms and formal documentation to research and write a formal paper and to present an oral report.

936 GENERAL HEALTH

This course offers information necessary to maintaining good physical and mental health. Studies will include functions of the human body, common health problems, the brain and behavior, development and maturity, accidents and first aid, nutrition, personal appearance, legal and illegal drugs, and how the environment contributes to healthy living.

937 CURRENT RESEARCH (Seniors)

This course uses the daily newspaper to improve functional reading skills and develop student awareness of changes in the community, nation, and the world. Listening, speaking, and writing skills are enhanced through classroom discussion and written summaries of current events.