

Williamstown High School

Program of Studies

2017-2018



700 N. Tuckahoe Road Williamstown, New Jersey 08094

Phone: 856-262-8200

Fax: 856-262-0869

Created by: Jarred Cammisa

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Principal's Message

Dear Students and Parents/Guardians:

Laying a foundation for college and/or a career starts NOW. The Program of Studies is a valuable resource for planning your academic future. You have one opportunity to build a high school transcript- it may take 4 years, but planning out those 4 years is incredibly important. The courses you choose to take, the grades you earn, and the attitude with which you approach your education will determine the options you have at graduation from Williamstown High School.

We have a dedicated staff who are invested in the success of our students. The school counselors will meet with students to provide some guidance with regard to course selection. This process needs to be taken seriously. With multiple levels of courses being offered, it is important that students are in classes that challenge them, and help build academic resilience. Proper level selection is important and will be based on a multitude of criteria: current grades, past grades in similar courses, college/career goals, student interest and talent, (possibly) teacher recommendations, and/or test scores.

Our goal at WHS is to provide a well-rounded curriculum, meeting the needs of all students. With the 1:1 initiative, and a computer in each student's hands, technology is ever present and utilized to enhance learning in every course. Students are provided a broad scope of educational resources.

As you review this Program of Studies, pay close attention to the pre-requisites, course content, and course sequences. This is particularly important in our academic academies. Students seeking alternative ways to earn credit or unique educational experiences outside of the scope of our course offerings are encouraged to converse with their school counselor about the process to take advantage of such options (Option II).

We believe...

- Our students learn best when they are empowered by parents, staff and community to discover and act upon the Art of Possibility.
- The role of the parent/guardian is to partner with the school to instill and cultivate a sense of responsible citizenship in their children.
- The role of the community is to provide necessary resources to promote a safe environment and support constant educational improvements to programs that will enrich our families' experiences both in and out of school.
- The role of the staff is to work collaboratively to instill a positive sense of being and community within our schools.

It is my distinct honor to be a member of the Williamstown High School community. Being a Brave has always meant the world to me...it should be also to each and every student!

Yours In Education,



Monroe Township Public Schools

Monroe Township Board of Education

Mr. George Adams
Mr. George N. Caruso
Mr. Ron Coleman
Mr. James Henderson
Mr. Joseph Mahoney
Ms. Lisa Pflugfelder
Mr. Joseph Rumpf
Mr. Andrew Schwaiger
Mr. Jeffrey Simpler

Central Administration

Mr. Charles M. Earling, Jr.	Superintendent of Schools
Dr. Anthony T. Petruzzelli	Assistant Superintendent K-12
Mr. Ralph E. Ross, Sr.	Human Resources Manager
Mrs. Lisa Schulz	Business Administrator/Board Secretary
Dr. John L. Bersh	Supervisor of Special Services
Mr. Stanley W. Krzyminski	Director of Curriculum
Mr. David S. Sullivan	Director of Plant Operations
Mr. Michael J. DeAngelis	Supervisor of Transportation

Content-Area Supervisors

Mrs. Deborah A. Droke	Mathematics, BSI
Mrs. Laura E. Gore	English Language Arts, BSI
Mr. Placido C. (Dean) Insana	Special Areas
Mrs. Cynthia A. Johnson	Science & Technical Areas
Mrs. Christine A. Stanton	Social Studies, TAG

Monroe Township Public Schools

Williamstown High School Administration

Dr. Jill DelConte	Principal
Mr. David M. Babich	Assistant Principal
Mr. B. Scott Boring	Assistant Principal
Mrs. Caroline M. Yoder	Assistant Principal
Mrs. Anne Marie Miller	Director of Guidance
Mr. Ronald S. Becker	Assistant Principal of Athletic Activities

Williamstown High School Counselors

Mrs. Linda Alexander
Mr. Michael Fau
Mrs. Lisa Ferraro
Mrs. Donna Gaudio (SAC)
Mrs. Sara Gogel
Mr. Stephen Matranga
Mr. James Slade
Mr. Daniel Wiest

Williamstown Middle School Counselors

Mrs. Leslie Borkowski
Ms. Andrea Molino
Mrs. Chelsea Nelson
Mrs. Colleen Pearl
Mrs. Danielle Spillman (SAC)

Requirements for Graduation from Williamstown High School

Credits are awarded on the basis of how many times per week a class meets. For example: If a class has a lab and meets for a total of seven periods per week, 7.00 credits are awarded; a three-day per week class receives 3.00 credits; a regular five-day a week course receives 5.00 credits. A semester course that meets five days a week is awarded 2.50 credits and a marking period course that meets five days a week is awarded 1.25 credits.

Required Courses

Twenty (20) credits of **English Language Arts**

Fifteen (15) credits of **Mathematics** (Must include Algebra I, Geometry, and a third year that builds on the concepts.)

Fifteen (15) credits of **Science**

(Must include Biology and an additional laboratory/inquiry based science course which shall include chemistry, environmental science, or physics; and a third laboratory/inquiry-based science course.)

Five (5) credits of **World History/World Cultures**

Ten (10) credits of **United States History**

Five (5) credits of **Physical Education/Health/Safety** for each year of enrollment.

Five (5) credits of **Visual or Performing Arts**

Five (5) credits of **Career Education and Consumer, Family, and Life Skills, or Vocational-Technical Education**

Five (5) credits of **World Languages**

2.5 credits of **Financial Literacy**

Career education and cross content workplace readiness are infused in all disciplines.

Please Note: If a student loses credit due to the attendance policy in a required course the course will have to be repeated to earn the credits to graduate.

Credits Required For Graduation

Candidates for graduation are to be promoted to Grade 12

120 Credits are needed for Graduation

Summer School Grading Policy

When a student attends summer school for a course, the final grade for the course will be the average of the full year course and the summer school course.

Schedule Changes

It is very important that your son/daughter chooses his/her classes carefully. **All requests for schedule changes must be made by May 30, 2017.** Schedule changes will not be made in September except for those necessitated by a computer error or your child being assigned the same teacher whom they previously failed. Therefore, it is essential that the original selections are given careful and thoughtful consideration. This will enable your child to get off to a good start right from the first day of school.

Directed Studies

Students are permitted a maximum of five (5) study halls a week. Seniors who take a minimum of four (4) Advanced Placement/Honors courses will be permitted to take eight (8) periods of study hall per week.

Military Recruitment

The No Child Left Behind Act (NCLB) (Title IX, Part E, Subpart 2, Section 8528) states that school districts are to allow the same access to students by military recruiters as they do college and job recruiters. This access includes releasing secondary school students' names, addresses, and telephone numbers to military recruiters, who can use the information for armed services recruiting and for informing these students of scholarship opportunities. Secondary school students or their parents can request that the information not be released by notifying their counseling counselor with a written statement.

Weighted Courses - 2017-2018 School Year

The following courses will be given academic weighting:

Department	Course Number	Course Title	Weighting
Academy for Engineering Sciences	171	Engineering Seminar I	Honors
	172	Engineering Seminar II	Honors
	173	Internship	Honors
	634	Digital Electronics	Honors
	637	Principles of Engineering	Honors
	638	Computer Integrated Manufacturing	Honors
	639	Engineering Design & Development	Honors
Business	208	Accounting II	Honors
	234	Marketing II	Honors
	232	Java AP	Advanced Placement
English Language Arts	321	English Language Arts I	Honors
	322	English Language Arts II	Honors
	323	English Language Arts III	Honors
	324	English Language Arts IV	Honors
	328	English Language and Composition	Advanced Placement
	327	English Literature and Composition	Advanced Placement
Mathematics	708	Geometry	Honors
	710	Algebra II	Honors
	712	Pre-Calculus	Honors
	713	Calculus	Honors
	728	Calculus	Advanced Placement-AB
	714	Calculus	Advanced Placement-BC
	751	Statistics	Advanced Placement

Weighted Courses - 2017-2018 School Year (Continued)

Science	158	Physics/Lab	Honors
	163	Biology/Lab	Honors
	164	Chemistry/Lab	Honors
	170	Human Physiology & Anatomy/Lab	Honors
	174	Environmental Science	Advanced Placement
	175	Chemistry/Lab - AP	Advanced Placement
	176	Biology/Lab - AP	Advanced Placement
	177	Physics 1/Lab	Advanced Placement
	178	Physics "C"/Lab	Advanced Placement
Social Studies	248	World History	Honors
	252	United States History I	Honors
	256	United States History II	Honors
	292	Human Geography	Advanced Placement
	280	United States History I	Advanced Placement
	281	United States History II	Advanced Placement
	282	United States Government and Politics	Advanced Placement
	283	Psychology	Advanced Placement
Visual & Performing Arts	127	Studio Art III	Advanced Placement
	128	Studio Art IV	Advanced Placement
	799	Music Theory and Composition	Advanced Placement
	7921	Wind Ensemble	Honors
World Languages	431	French III	Honors
	417	French IV	Honors
	420	French V	Honors
	433	German III	Honors
	418	German IV	Honors
	421	German V	Honors
	425	Spanish III	Honors
	419	Spanish IV	Honors
	422	Spanish V	Honors
	429	Spanish	Advanced Placement
	432	French	Advanced Placement

Class Ranking System

When computing class rank, the National Association of Secondary School Principals rank in Class Guide is used. Students taking weighted courses would have this reflected in the point values when class rank is computed. There are two class ranking systems; **weighted** and **unweighted**. Both appear on our transcripts.

Unweighted System

All subjects are given equal weight and value (this is in effect for ALL students). Every course a student takes and the grade in the course is included in determining grade point average and class rank. This includes courses that are repeated to make up a failure or to improve a grade. This ranking procedure treats all subjects equally in value regardless of academic challenge or academic difficulty.

Weighted System

Subjects are weighted according to their academic challenge. See chart below for weighted system.

Mark	Advanced Placement Courses	Honors Courses	Regular Courses
Numeric Grade	+15	+8	Numeric Grade
Below 65	+0	+0	Numeric Grade

Grade Scale

100 - 90 = A 89 - 80 = B 79 - 70 = C 69 - 65 = D Below 65 = F

Academic Tracks

Honors Track

Recommended for application to highly competitive four-year colleges.

College Preparatory Track A

College Preparatory A courses will prepare students for most four-year colleges.

College Preparatory Track B

College Preparatory B courses will prepare students for most two-year colleges and or technical school.

Post-Secondary Education

Four-year college, two-year college, business school, technical school, armed services are strongly recommended for every student. This career plan component needs to be built into every student's life goals. Your Williamstown High School Counseling Office works with each student to strive toward these life opportunities.

Four-Year College Requirements

Many colleges, and all New Jersey State Colleges, require a minimum of sixteen academic units with a grade of "C" or better to be considered eligible for student admission. You should plan on taking a minimum of four academic units per year in high school. The five academic areas are English Language Arts, Mathematics, Science, Social Studies and World Languages. The minimum high school units required for college are:

4 years	English
4 years	Mathematics (Algebra I, Geometry, Algebra II and higher)
3 year	Social Studies
2 years	World Language (preferably 3 to 4 years)
2 years	Laboratory Science (Biology, Chemistry and preferably Physics)
1 year	Electives

The philosophies of education, specific course requirements, and other qualifications for acceptance vary among the nation's colleges and universities. However, all schools of higher education recognize the desirability of a broad education with a strong foundation in the traditional academic subjects.

Students are evaluated for admission not only in terms of grades achieved, but also with respect to the strength of the academic program undertaken. It is recommended that students take the strongest possible academic program available within their personal limitations during all four years of high school.

A rigorous secondary school preparation remains the best means by which you can be assured of maximizing the benefits to be derived from a challenging college education.

Special Education

The Special Education Program makes every effort to address a student's educational needs within the least restrictive environment. Class selection is dependent upon recommendations made by the IEP team. Class selection is primarily departmentalized and offers a full range of options, including mainstreaming, in class support, and pull out resource options. A self-contained selection is available for students who require increased support to fulfill their transition to adult life.

Dual Credit

Williamstown High School offers students the opportunity to earn college credits while still attending high school. We currently have a dual credit agreement with Camden County College. Students taking dual credit courses and earning a grade of "85" or above in the selected courses will receive transcribed college credits from the sponsoring college. There is a fee for each course. If you would like more information, please contact the Counseling Office.

CAMDEN COUNTY COLLEGE DUAL CREDIT:

<u>Williamstown High School</u>	<u>Camden County College; Credits</u>
French IV	Elementary French I "FRE 101", 3 credits
French V	Elementary French II "FRE 102", 3 credits
German IV	Elementary German I "GER 101", 3 credits
German V	Elementary German II "GER 102", 3 credits
Spanish IV	Elementary Spanish I "SPA 101", 3 credits
Spanish V	Elementary Spanish II "SPA 102", 3 credits
Spanish AP	Intermediate Spanish I "SPA 201", 3 credits
Accounting II H	Financial Accounting "ACC 104", 3 credits
Computer Programming (C++)	Structured Programming C++ "CSC 121", 4 credits
JAVA	Intro to JAVA "CSC 161", 3 credits
Marketing II H	Principles of Marketing "MKT 101", 3 credits
Biology AP	Biology I-Science "BIO 111", 4 credits
Chemistry AP	Chemistry I-Science "CHM 111", 4 credits
Psychology AP	Basic Psychology "PSY 101", 3 credits
Statistics AP	Into to Statistics "MTH 111", 3 credits

NCAA Academic Eligibility

If you plan on going to college after high school and hope to participate in athletics, you must follow the Division I and II Initial Eligibility Requirements.

Division I Initial-Eligibility Requirements

Core Courses: (16)

- **Sixteen core courses** are required.
- Ten core courses completed before the seventh semester; seven of the 10 must be in English, math or natural/physical science.
- These courses/grades are "locked in" at start of the seventh semester (cannot be repeated for grade-point average [GPA] improvement to meet initial-eligibility requirements for competition).
- Students who do not meet core-course progression requirements may still be eligible to receive athletic aid and practice in the initial year of enrollment by meeting academic redshirt requirements (www.eligibilitycenter.org).

Test Scores: (ACT/SAT)

- Students must present a corresponding test score and core-course GPA on the sliding scale (www.eligibilitycenter.org).
- SAT: critical reading and math sections.
- Best sub score from each section is used to determine the SAT combined score for initial eligibility.
- ACT: English, math, reading and science sections.
- Best subscore from each section is used to determine the ACT sum score for initial eligibility.
- All ACT and SAT attempts before initial full-time collegiate enrollment maybe used for initial eligibility.
- Enter 9999 during ACT or SAT registration to ensure the testing agency reports your score directly to the NCAA Eligibility Center. Test scores on transcripts will not be used.

Core Grade-Point Average:

- Only core courses that appear on the high school's list of NCAA Courses on the NCAA Eligibility Center's website (www.eligibilitycenter.org) will be used to calculate your core-course GPA.
- Students must present a corresponding test score (ACT sum score or SAT combined score) and core-course GPA (minimum 2.300) on Sliding Scale B.
- Core-course GPA is calculated using the best 16 core courses that meet both progression and subject-area requirements.

Division II Initial-Eligibility Requirements

Core Courses

- **Division II currently requires 16 core courses.**
- **Beginning August 1, 2018**, to become a full or partial qualifier for Division II, all college-bound student-athletes must complete the 16 core-course requirement.

Test Scores

- **Division II** currently requires a minimum SAT score of 820 or an ACT sum score of 68. **Beginning August 1, 2018**, Division II will use a sliding scale to match test scores and core-course grade-point averages (GPA). The sliding scale for those requirements is shown on the website.

The SAT score used for NCAA purposes includes **only** the critical reading and math sections.

The ACT score used for NCAA purposes is a **sum** of the following four sections: English, mathematics, reading and science.

Grade-Point Average

- Be sure to look at your high school's List of NCAA Courses on the NCAA Eligibility Center's website (www.eligibilitycenter.org). Only courses that appear on your school's approved list of NCAA Courses will be used in the calculation of the core GPA.
- The current Division II core GPA requirement is a minimum of 2.000. Division II core GPA required to be eligible for competition on or after August 1, 2018, is 2.200.
- The minimum Division II core GPA required to receive athletics aid and practice as a partial qualifier on or after August 1, 2018, is 2.000.

Remember, the NCAA core GPA is calculated using NCAA core courses only.

Divisions I and II Initial-Eligibility Requirements

Division I 16 Core Courses

4 years of English.

3 years of mathematics (Algebra I or higher).

2 years of natural/physical science (1 year of lab if offered by high school).

1 year of additional English, mathematics or natural/physical science.

2 years of social science.

4 years of additional courses (from any area above, foreign language or comparative religion/philosophy).

Division II 16 Core Courses

3 years of English.

2 years of mathematics (Algebra I or higher).

2 years of natural/physical science (1 year of lab if offered by high school).

3 years of additional English, mathematics or natural/physical science.

2 years of social science.

4 years of additional courses (from any area above, foreign language or comparative religion/philosophy).

Ninth-Grade Course Selections

English Language Arts (must select one)

- 301 English Language Arts I-CP B
- 311 English Language Arts I-CP A
- 321 English Language Arts I-H

Science (must select one)

- 150 Fundamentals of Science-CP
- 153 Biology
- 163 Biology / Lab-H

Mathematics (must select one)

- 703 Pre-Algebra
- 706 Algebra I
- 707 Geometry
- 708 Geometry-H

Social Studies (must select one)

- 246 World History-CP B
- 247 World History-CP A
- 248 World History-H

Electives

- 286 Introduction to Law
- 287 Civics
- 293 Introduction to the Teaching Profession

Comprehensive Health and Physical Education (must select one)

- 901/911 Physical Education I
- 921 Family Living

World Languages (must select one)

- | | | | | | |
|-----|----------------|-----|----------------|-----|-----------------|
| 400 | French I | 401 | German I | 403 | Spanish I |
| 402 | French I-CP | 404 | German I-CP | 405 | Spanish I-CP |
| 408 | French II 9-CP | 410 | German II 9-CP | 407 | Spanish II 9-CP |

Ninth-Grade Course Selections (Continued)

Financial Literacy

- 203/237 Computers, Introduction to Business, & Financial Literacy
- 202 Computers, Introduction to Business, & Financial Literacy (3 day)

Career/Technical Education (select one)

- 450 Air Force Jr. ROTC
- 501 Family and Consumer Sciences I
- 601 CAD I
- 605 Construction Technology I
- 611 Manufacturing Technology I
- 624 Introduction to Video Production I
- 635 Introduction to Engineering

Visual and Performing Arts (select one)

- 104 Studio Art I
- 121 Ceramics & Acrylic Painting
- 124 Drawing
- 130 Graphic Design I
- 132 Ceramics & Acrylic Painting
- 133 Introduction to Art (3 day)
- 801 Band / Instrumental Lessons
- 802 Band / Instrumental Lessons (3 day)
- 803 General Choir
- 804 General Choir (3 day)
- 807 Music Theory and Basic Composition I
- 811 Dance I
- 816 Acting I
- 819 Musical Theatre Workshop

Students will be scheduled in Literacy Foundations and/or Pre-Algebra/Math Lab based on multiple measures.

CP = College Preparatory
H = Honors

Allied Health Academy College Prep or Honors

Allied Health Academy

Grade 9

English Language Arts I – CP/H*
Algebra I CP/H **or** Geometry –CP/H*
Biology/Lab - CP/H*
PE I & Family Living
World History – CP/H*
World Language – CP
Computers, Intro to Business &
Financial Literacy (3 day)

LUNCH

Grade 10

English Language Arts II – CP/H*
Geometry CP/H or Algebra II – CP/H*
Chemistry/Lab – CP/H*
PE II & Classroom Driver Education
U. S. History I – CP/H or AP*
World Language CP
Visual **or** Performing Arts
Elective

LUNCH

Grade 11

English Language Arts III CP/H/AP*
Algebra II CP/H or Pre-Calc. CP/H*
Physics/Lab – CP/H*
U. S. History II – CP/H/AP*
PE III & Comprehensive Health
CP Psychology/Sociology
Electives (Chemistry AP suggested*)

LUNCH

Grade 12

English Language Arts IV – CP/H/AP*
Pre- Calculus or Calculus CP/H/AP*
PE IV & Comprehensive First Aid
Forensics or AP Biology*
Anatomy & Physiology – CP/H*
Career Ed./Consumer Voc. Tech. Ed
Elective - Senior Option

LUNCH

SUMMER

Allied Health Seminar I

SUMMER

Allied Health Seminar II

SUMMER

Allied Health Internship

Fundamentals of Science – Should be taken in summer prior to freshman year if student did not complete 8th grade Accelerated Science

The following grades *MUST* be met to continue in the Allied Health Program:

*CP Biology/Lab - >70 for Anatomy (CP), >93 for Anatomy (H), >93 for AP Biology, >70 for Forensics
H Biology/Lab - >85 for Anatomy (H), >85 for AP Biology
CP Lab Chemistry - >93 for AP Chemistry, >70 for Forensics
H Chemistry - >85 for AP Chemistry, >85 for Physics (H)
Algebra II - >85 for AP Chemistry*

CP = College Preparatory

H = Honors

AP = Advanced Placement

*Honors Track

Academy for Business and Finance College Prep or Honors

Business and Finance Track

Grade 9

English Language Arts I – CP/H
PE & Family Living
Algebra I/Geometry – CP/H
World History – CP/H
Fundamentals of Science/Biology & Lab – CP/H
World Language
Fine Arts Elective (5 day)
Financial Literacy (3 day if taken with Biology)

LUNCH

Grade 10

English Language Arts II – CP/H
PE & Drivers Education
Geometry/Algebra II – CP/H
U. S. History I – CP/H/AP
Biology/Lab & Chemistry/Lab – CP/H
World Language
Marketing I
Computer Applications (3 day)

LUNCH

Grade 11

English Language Arts III - CP/H/AP
PE & Comprehensive Health
Algebra II/Pre-Calculus – CP/H/AP
U. S. History II – CP/H/AP
Chemistry/Lab & Physics – CP/H/AP
Marketing II – H **or** 3rd Year of World
Language and/or Chemistry AP
Accounting I
3 Day Elective

LUNCH

Grade 12

English Language Arts IV – CP/H/AP
PE & Comprehensive First Aid
Pre-Calculus/Calculus – H/AP AB/BC
Public Speaking
Accounting II - H
Investing – CP
Business Academy Elective **or** Marketing
II(if not taken in 11th grade)
Business Academy Elective

LUNCH

*Senior Option: See Academy Advisor
prior to scheduling.

SUMMER

Seminar I

SUMMER

Seminar II

SUMMER

Internship

Business Academy Elective Classes:

Entrepreneurship
Personal/Business Law
Computer Programming (C++) I & II
Advanced Computer Applications - 5 & 3 Day
Web Page Design - 5 Day
Java
Java AP
Statistics

Statistics AP
Psychology/Sociology - CP (Semester Each)
Psychology - AP - Full Year
Graphic Design
Physics - CP/H/AP
4th year Social Studies
World Language (3rd year or 4th year) - CP/H/AP

Human Geography AP

CP = College Preparatory

H = Honors

AP = Advanced Placement

Descriptions of
Academy for Business and Finance
Summer Seminar Courses

240 Academy for Business and Finance - Seminar I

Length of Time: 1 Week
Number of Days Per Week: 5
Number of Credits: 1.00

During this seminar, emphasis will be placed on educational and career opportunities within the world of business. The student will be exposed to various aspects of Business and Finance while interacting with professionals from business, industry, and academia. Students will interact with our academic partners at Drexel University and Rutgers University – Camden in hands-on projects.

This course will be held in the summer following the student's freshman year.

241 Academy for Business and Finance - Internship

Length of Time: Minimum of 120 hours
Number of Days Per Week: Varies
Number of Credits: 5.00

During this internship, students will work in the real world of business and industry. This hands-on work experience will provide students with the opportunity to learn responsibility, improve their work ethics, practice communication skills, and work as a member of a team. Students will also gain perspective on the wide variety of career opportunities available to them in the business world.

This course will be held in the summer following the student's junior year.

240 Academy for Business and Finance - Seminar II

Length of Time: 1 Week
Number of Days Per Week: 5
Number of Credits: 1.00

During this seminar, emphasis will expand the exploration of concepts and career opportunities within the world of business. Working with our academic partners at Drexel University and Rutgers University – Camden, students will work individually and in groups to simulate real-life business situations. This work will prepare students for the required Internship Program after junior year.

This course will be held in the summer following the student's sophomore year.

Academy for Computer Science College Prep or Honors

Computer Science Track

Grade 9

Fundamentals of Science – CP
Algebra I **or** Geometry CP/H
English Language Arts I CP/H
World Language
World History CP/H
PE I & Family Living
Introduction to Computer Science &
Financial Literacy
Lunch

Elective(s):

Free Elective (3 day or 5 day)

SUMMER

Seminar I

Grade 10

Biology/Lab CP/H
Geometry CP/H **or** Algebra II CP/H
English Language Arts II CP/H
World Language
U. S. History I CP/H/AP
Computer Programming (C++)
PE II & Classroom Driver Education
Computer Applications
Lunch

SUMMER

Seminar II

Grade 11

Chemistry/Lab CP/H
Algebra II CP/H **or** Pre-Calculus CP/H
English Language Arts III CP/H/AP
U. S. History II CP/H/AP
PE III & Comprehensive Health
JAVA
Advanced Computer Applications (3 day)
Visual/Performing Art
Lunch

SUMMER

Internship

Grade 12

Physics/Lab CP/H **or** Anatomy/Lab CP/H
Pre-Calculus CP/H **or** Calculus H/AP
English Language Arts IV CP/H/AP
PE IV & Comprehensive First Aid
JAVA AP
Lunch

Geometry must be completed during their ninth grade year or the summer before sophomore year.

CP = College Preparatory

H = Honors

AP = Advanced Placement

Descriptions of
Academy for Computer Science
Summer Seminar Courses

**243 Academy for Computer
Science-Seminar I**

Length of Time: 1 Week
Number of Days Per Week: 5 (5 hrs/day)
Number of Credits: 1.00

During this seminar, emphasis will be placed on educational and career opportunities. The student will be exposed to various programming languages and interact with professionals from business, industry, and academia (i.e. Rowan University, Drexel University, Gloucester County College, and Camden County College).

This course will be held in the summer following the student's freshman year.

244 Internship

Length of Time: 120 hours-Minimum
Number of Credits: 5.00

PREREQUISITE: Seminar II

During the internship, the student will work in the real world of business and industry. He/She will learn to be responsible, improve his/her work ethics, communicate properly, work as a team member, and gain a wide range of experience to better prepare him/her for his/her future in the Computer Science field and outside world in general.

**243 Academy for Computer
Science- Seminar II**

Length of Time: 1 Week
Number of Days Per Week: 5 (5 hrs/day)
Number of Credits: 1.00

PREREQUISITE: Seminar I

While attending this seminar, the student will expand his/her exploration of the concepts and careers available in the Computer Science field to prepare him/her for his/her internship. The student will work as a team member on a project and gain more hands-on experience. Upon completion of the project, each team will make a presentation to the faculty and/or administration.

This course will be held in the summer following the student's sophomore year.

Academy for Engineering Sciences

Pre-Engineering Track with Honors

Grade 9

Biology-H
Geometry-H
English Language Arts I – CP/H
World Language
World History- CP/H
PE I & Family Living
CAD I
Introduction to Engineering
Lunch
Computers, Introduction to
Business, & Financial Literacy (3 day)

Grade 10

Chemistry/Lab-H
Algebra II-H
English Language Arts II CP/H
World Language
U.S. History I – CP/H/AP
PE II & Classroom Driver Education
Computer Programming (C++) or JAVA
Digital Electronics
Lunch

Elective(s):
Computer Applications (3day)

Grade 11

Chemistry/Lab-AP **or** Biology - AP
Physics/Lab-H
Pre-Calculus-H
English Language Arts III – CP/H/AP
U.S. History II- CP/H/AP
PE III & Comprehensive Health
Principles of Engineering
Computer Integrated Manufacturing
Lunch

Grade 12

Physics/Lab-AP
Calculus/AP AB (**or**) BC
English Language Arts IV-CP/H/AP
PE IV & Comprehensive First Aid
Engineering Design & Development
Visual/Performing Art
Lunch

Elective(s):
Computer Programming (C++)
JAVA
CAD II

SUMMER

Seminar I

SUMMER

Seminar II

SUMMER

Internship

CP = College Preparatory

H = Honors

AP = Advanced Placement

Academy for Engineering Sciences (continued)

Pre-Engineering Track

Grade 9

Fundamentals of Science CP
Algebra
English Language Arts I CP/H
World Language
World History CP/H
PE I & Family Living
CAD I
Introduction to Engineering
Lunch
Computers, Introduction to Business, &
Financial Literacy (5 day)

Grade 10

Biology/Lab
Geometry
English Language Arts II CP/H
World Language
U. S. History I CP/H/AP
PE II & Classroom Driver Education
Computer Programming (C++) or JAVA
Digital Electronics
Lunch

Elective(s):

Computer Applications (3 day)

Grade 11

Chemistry/Lab
Algebra II
English Language Arts III CP/H/AP
U. S. History II CP/H/AP
PE III & Comprehensive Health
Computer Integrated Manufacturing
Principles of Engineering
Lunch

Grade 12

Physics/Lab CP
Pre-Calculus
English Language Arts IV CP/H/AP
PE IV & Comprehensive First Aid
Engineering Design & Development
Visual/Performing Art
Lunch

Elective(s):

Computer Programming (C++)
JAVA
CAD II

SUMMER

Seminar I

SUMMER

Seminar II

SUMMER

Internship

CP = College Preparatory

H = Honors

AP = Advanced Placement

Descriptions of **Academy for Engineering Sciences** **Summer Seminar Courses**

171 Academy for Engineering Sciences Seminar I

Length of Time: 7 days in the summer

Number of Credits: 1.00

While emphasizing academic preparation, an important balance will be provided for competitions, interaction with field professionals in business and industry, and interaction without partners, Rowan University College of Engineering, Gloucester County College and the Gloucester County Institute of Technology.

This course will be held in the summer following the student's freshman year.

172 Academy for Engineering Sciences Seminar II

Length of Time: 1 week in the summer

Number of Days Per Week: 4

Number of Credits: 1.00

PREREQUISITE: Seminar I

Under the auspice of Engineering Professors at Rowan's School of Engineering, the Seminar II class will be held on four consecutive 8-hour days at Rowan School of Engineering. The class is designed to provide the Engineering Academy student, between sophomore and junior years, an opportunity to expand upon and apply some of the engineering characteristics and principles introduced in Seminar I the previous year and to prepare for the Internship.

The students will be divided into groups. Each group will spend one full 8-hour day in each of four engineering disciplines. These disciplines are:

1. Mechanical Engineering
2. Chemical Engineering
3. Electrical Engineering
4. Civil Engineering

These full day sessions will include:

1. Actual Industrial/Commercial research
2. Introduction to "real" research laboratory procedures and techniques
3. Design and implementation of engineering projects in a team setting

Rowan University School of Engineering staff will provide introduction and instruction of each project and instruction and direct supervision of all equipment used. Williamstown High School will transport students each of the four days between Williamstown High School and Rowan University.

This course will be held in the summer following the student's sophomore year.

173 Internship

Length of Time: 120 hours in the summer

Number of Credits: 5

PREREQUISITE: Seminar II

The students will be responsible for research, development, testing, and evaluation of new concepts and technologies related to the position for which they are assigned. The internship should help the student to understand the use of technology as a tool for problem solving. It should also help them to understand the scientific process, problem solving in engineering, and the application of technology in engineering. They will need to understand technological systems in analyzing and solving problems. They will also learn to communicate effectively through reading, writing, listening and speaking to, and with team members.

Students are required to have 120 hours for their internship experience. During the course of the experience a supervisor from the school will come for an appointed time to meet with the mentor and student intern. Dependent on the length of the internship experience there would be more than one visit. The student will at the end of the experience present both a written and oral presentation of their internship experience.

Academy for Law and Justice

Law & Justice Track

Grade 9

English Language Arts I - CP/H
PE I & Family Living
Pre-Algebra/Algebra I/Geometry
World History - CP/H
Science
Spanish
Intro to Law
Computers, Intro. to Business, & Financial Literacy
(3 day if taken with Biology)
LUNCH

Grade 10

English Language Arts II - CP/H
PE II & Classroom Driver Education
Math
U.S. History I - CP/H/AP
Science
Spanish
Computer Applications (3 day if taken with Lab)
Law Enforcement
LUNCH

Grade 11

English Language Arts III - CP/H/AP
PE III & Comprehensive Health
Math
U.S. History II - CP/H/AP
Science
Criminology
*Suggested Semester Elective
Fine Art Elective
LUNCH

Grade 12

English Language Arts IV - CP/H/A
PE IV & Comprehensive First Aid
Math
Public Speaking
Forensics
Constitutional Law/Ethics
Civics
*Suggested Elective
LUNCH

SUMMER

Seminar I

SUMMER

Seminar II

SUMMER

Internship

***Law & Justice Suggested Electives:**

Psychology, Psychology AP, Sociology, Accounting,
Death & Dying/Futurology, Human Geography AP,
Environmental Science AP

CP = College Preparatory

H = Honors

AP = Advanced Placement

Descriptions of Academy for Law and Justice Summer Seminar Course

290 Academy for Law and Justice Summer Seminar I

Length of Time: 4 days
Number of Credits: 1.00

An intensive, introduction to local law enforcement policies, techniques and missions will be provided by the Monroe Township Police Department. Participants MAY experience Patrol Unit routines, Monroe Township Entry Team tactics, an introduction to the Detective Bureau, Traffic Safety/Crash Investigation activities, and a trip to the Police Expo, among others. At the culmination, students will be invited to Police Headquarters for certificates of participation by the Monroe Township Police. Transportation is provided by Monroe Township Public Schools.

This course will be held in the summer following the student's freshman year.

290 Academy for Law and Justice Summer Seminar II

Length of Time: 10 days
Number of Credits: 1.00

PREREQUISITE: Seminar I

Under the supervision of Law and Justice Academy advisors at the high school, the second seminar for the Law and Justice Academy will be held at the high school. For four days in the summer, students will be participating in various law related activities. This seminar will differ yearly depending on presenters and different opportunities that are presented by participating community members and law and justice groups. Students will be required to participate in a mock trial, attend different workshops, and meet with representatives from local colleges to help them better formulate a plan of what they might want to do in the future.

At the conclusion of the seminar the students will have a better grasp of possible

future plans. They will be exposed to several possible vocations in law. Students will be responsible for transportation to and from the school. They will also be required to bring their own bag lunch. Any travel expenses will be covered by the school.

This course will be held in the summer following the student's sophomore year.

291 Academy for Law and Justice Internship

Length of Time: 120 hours in the summer
Number of Credits: 5

PREREQUISITE: Seminar I & Seminar II

The summer internship should help the student understand whatever aspect of law that they chose to pursue. During the internship the student should begin to better understand the job and responsibilities of their perspective employer/mentor. They will learn what the job entails as well as how important life skills like reading, writing, listening and public speaking are used in the work place.

Students are required to have 120 hours for their internship experience. During the course of the experience a supervisor for the school will come for an appointed time to meet with the mentor and student intern. Dependent on the length of the internship experience there would be more than one visit. At the end of the experience, the student will present both a written and oral presentation of their internship experience.

Teacher Academy College Prep or Honors

Grade 9

English Language Arts I – CP/H*
PE & Family Living
Algebra I/Geometry – CP/H*
World History - CP/H*
Fundamentals of Science/Biology Lab - CP/H*
World Language
Introduction to Teaching **
Financial Literacy (3 or 5 day)

Grade 10

English Language Arts II – CP/H*
PE & Drivers Education
Geometry/Algebra II – CP/H*
U. S. History I – CP/H/AP*
Biology/Lab **or** Chemistry/Lab -CP/H/AP*
World Language
Psychology (Semester)
History of American Education** (Semester)

Grade 11

English Language Arts III - CP/H/AP*
PE & Comprehensive Health
Algebra II/Pre-Calculus – CP/H*
U. S. History II – CP/H/AP*
Chemistry/Lab or Physics – CP/H*
Computer Applications
Educational Psychology** (Semester)
Developmental Psychology**(Semester)

Grade 12

English Language Arts IV – CP/H/AP*
PE & Comprehensive First Aid
Statistics/Pre-Calc/Calculus–AP AB/BC*
Visual/Performing Art
Teacher Pedagogy**
Teacher Portfolio**

Suggested Academy Electives:
Psychology AP
Public Speaking
Creative Writing (Semester)
Sociology (Semester)

~25~

LUNCH

LUNCH

LUNCH

LUNCH

SUMMER

Seminar I with Field Experience

SUMMER

Seminar II with Field Experience

SUMMER

Internship with Field Experience

*All required Math, Science, History, and ELA classes must be a minimum of the CP level A for each academy year. In order to graduate from the academy with honors, all required Math, Science, History, and ELA, must be at the honors/AP level each academy year the class is taken when applicable.

CP = College Preparatory

H = Honors

AP = Advanced Placement

** = New Course

Air Force Junior ROTC (AFJROTC)

Course Number and Title	Recommended Grade Level	Length of Time	Number of Periods Per Week	Number of Credits
450 AFJROTC	9 - 12	Full Year	5	5.00
454 Managing Your High School Years and Beyond	9 - 12	Summer	2 Weeks	2.50
455 Cadet Leadership Course	9 - 11	8 Days	Full Days	5.00

Student Benefits

Enrollment in AFJROTC DOES NOT subject students to any military obligation and IS NOT an accessions or recruiting program. Air Force JROTC provides its students with the tools for success after high school regardless of their career path. However, there are benefits available for students wishing to pursue further military avenues:

- Qualified AFJROTC cadets are eligible for direct application to military academies under a program specifically reserved for ROTC and JROTC cadets.
- Those students successfully completing three or four years of the program will receive a certificate from the instructors which enables them to enlist at a higher pay grade than someone without JROTC. The higher pay grade is determined by the branch of service chosen by the recruit.

Air Force JROTC

450 AFJROTC

Length of Time: Full Year
Number of Periods per Week: 5
Number of Credits: 5.00

Air Force Junior Reserve Officer Training Corp (AFJROTC) is a program which helps today's high school student become tomorrow's leader, manager, and informed productive citizen. The overall mission of the program is to develop citizens of character dedicated to serving their nation and community. Our curriculum includes Aerospace Science (AS), Leadership (LE) and Wellness.

Aerospace Science introduces cadets to the principles of aircraft flight and navigation, the history of aviation, development of air power, contemporary aviation, human requirements of flight, cultural and global awareness, geography, the space environments, space programs, space technology, rocketry, propulsion, the aerospace industry, and survival.

Leadership and Wellness focuses on the development of leadership skills and acquaints cadets with the practical application of life skills. The curriculum emphasizes discipline, responsibility, leadership, followership, citizenship, customs and courtesies, cadet corps activities, study habits, time management, communication skills, career opportunities, life skills, financial literacy, management skills, and drill and ceremonies.

The purpose of our Wellness and Physical Training program is to motivate cadets to lead healthy, active lifestyles beyond our requirements and into their adult lives. Cadets will be graded on their participation and achievement in our fitness program.

Finally, wearing the Air Force uniform and personal grooming habits are an integral part of what our program represents. Cadets will find it difficult to pass AFJROTC without wearing the uniform when/as directed and adhering to military personal grooming standards.

454 Managing Your High School Years and Beyond

Length of Time: 2 weeks (summer)
Number of Periods per Week: N/A
Number of Credits: 2.50

Managing Your High School Years and Beyond gives the students the opportunity to learn about, practice and eventually master the timeless concepts of attitudinal training and success. They will explore the ingredients that make up individual potential, the qualities of peak performers, the role of self-image and self-esteem in determining performance, how to set goals, how to use self-talk and imagination to achieve goals, and how to use a specific plan of action to attain a goal.

Managing Your High School Years and Beyond is about application, results and improved life skills.

455 Cadet Leadership Course (CLC)

Length of Time: 8 days/7 nights
(summer, weekend included)
Number of Periods per Week: N/A
Number of Credits: 5.00

PREREQUISITE:

At least one year of AFJROTC credit.

Cadet Leadership Course is a select program that condenses 18 weeks of academic and leadership training into eight 16-hour days. Academic studies are designed to acquaint the cadet with the historical and scientific development of manned flight. Leadership concepts expose the cadet to drill and ceremonies, personality development, group dynamics, responsibility and self-discipline. Cadets are hand selected by the instructors and spend 8 days/7 nights on McGuire AFB. Participants are up at 4:30 AM with a full schedule of classes and events until lights out at 10:00 PM. The program concludes with a graduation ceremony and full military honors parade.

The course has 125.9 contact hours of which 41 are in physical conditioning and athletics, the rest are divided between leadership and science based academic instruction.

Business

Course Number and Title	Recommended Grade Level	Length of Time	Number of Periods Per Week	Number of Credits
202 Computers, Introduction to Business, & Financial Literacy (3 day)	9 - 12	Full Year	3	3.00
203 Computers, Introduction to Business	9 - 12	Semester	5	2.50
204 Introduction to Computer Science and Programming	9 - 12	Semester	5	2.50
206 Accounting I	10 - 12	Full Year	5	5.00
*208 Accounting II - H	11 - 12	Full Year	5	5.00
216 Computer Programming I (C++)	10 - 12	Semester	5	2.50
217 Computer Programming II (C++)	10 - 12	Semester	5	2.50
219 Computer Applications	10 - 12	Full Year	5	5.00
220 Computer Applications (3 day)	10 - 12	Full Year	3	3.00
223 Advanced Computer Applications	11 - 12	Full Year	5	5.00
224 Advanced Computer Applications (3 day)	11 - 12	Full Year	3	3.00
227 Investing	11 - 12	Full Year	5	5.00
228 JAVA	10 - 12	Full Year	5	5.00
229 Personal Business Law	10 - 12	Semester	5	2.50
#232 JAVA Advanced Placement	11 - 12	Full Year	5	5.00
233 Marketing I	10 - 12	Full Year	5	5.00
*234 Marketing II - H	11 - 12	Full Year	5	5.00
235 Entrepreneurship	11 - 12	Full Year	5	5.00
237 Financial Literacy	9 - 10	Semester	5	2.50
238 Financial Literacy	11 - 12	Semester	5	2.50

*= Weighted Courses - 8 points
 #= Weighted Courses - 15 points

Descriptions of Business Courses

202 Computers, Introduction to Business, & Financial Literacy (3 day)

Length of Time:	Full Year
Number of Periods Per Week:	3
Number of Credits:	3.00

This course will begin with a quick review of the keyboard and basic business document formatting while using the fundamentals of Microsoft Word. Students will then be introduced to the world of business by exploring a variety of business disciplines that affect today's society while developing a broad overview of the diversified world of business in the 21st Century. The disciplines covered will include: economics, management, marketing and entrepreneurship. Finally, students will focus on the area of personal financial literacy. They will develop skills and strategies that promote personal and financial responsibility related to financial planning, savings, investment, and charitable giving in the global economy.

203 Computers, Introduction to Business

Length of Time:	Semester
Number of Periods Per Week:	5
Number of Credits:	2.50

This course will begin with keyboarding, computer operation, and basic business document formatting while using the fundamentals of Microsoft Word or other word processing applications. Students will then be introduced to the world of business by exploring a variety of business disciplines that affect today's society while developing a broad overview of the diversified world of business in the 21st Century. The disciplines covered will include: economics, management, marketing and entrepreneurship. Finally, students will focus on the area of personal financial literacy. They will develop skills and strategies that promote personal and financial responsibility related to financial planning, savings, investment and charitable giving in the global economy.

204 Introduction to Computer Science and Programming

Length of Time:	Semester
Number of Periods Per Week:	5
Number of Credits:	2.50

This course is intended as an introduction to computer science and aimed at students with little or no computer programming experience. Students will gain an understanding of the role computation plays in solving problems. Upon completion of this course, students will have a foundation of computer programming basics. It is recommended that students interested in C++ and or JAVA take this course as an introduction.

205 Accounting I

Length of Time:	Full Year
Number of Periods Per Week:	5
Number of Credits:	5.00

Accounting is an excellent course for college bound students who wish to pursue a career in accounting, business administration, computer science, finance, or any student interested in starting/owning a business. This course provides an introduction to basic principles, concepts and procedures for a partnership, and a sole proprietorship. Students will be taught skills in analyzing, recording, interpreting and preparing formal accounting records. Hands on experience with computerized assisted simulations and computerized accounting methods will also be taught. Students taking Accounting will find it a valuable tool for college, personal use, or in everyday consumer transactions.

208 Accounting II - H

Length of Time:	Full Year
Number of Periods Per Week:	5
Number of Credits:	5.00

PREREQUISITE: Accounting I

Accounting II is an excellent course for college bound students pursuing a career in accounting, business administration, computer science, finance, or any student interested in starting/owning a business.

Accounting II provides a review of fundamental principles with a comprehensive treatment of payroll records, departmental sales, partnerships, corporations, and manufacturing records. The student receives additional hands-on experience with spreadsheet accounting using both manual and computerized concepts. The student is trained for an entry-level position or for further study in accounting.

216 Computer Programming (C++) I Introduction to Programming

Length of Time: Semester
Number of Periods Per Week: 5
Number of Credits: 2.50

PREREQUISITE:

Geometry with a grade of "77" or better.

This course is designed to give the student hands-on programming experience using the high-level programming language C++. C++ is currently the world's most popular industrial-strength programming language. The student will start with basic concepts of a program, progressing into more complex aspects. Concepts covered will include: variables and constants, math operations, string and screen I/O, decision making (if, if...else, and nested) and loops (for, do...while, and while). The student will apply these concepts when he/she creates an algorithm and implements the code for a program. Upon completion of this phase, he/she will compile and debug his/her program and print out the source code and output.

217 Computer Programming (C++) II Game Design and Programming

Length of Time: Semester
Number of Periods Per Week: 5
Number of Credits: 2.50

PREREQUISITE:

Computer Programming (C++) I with a grade of "77" or better

In Computer Programming II the student will expand his/her knowledge and experience with C++ and further explore the world of OOP (Object Oriented Programming). OOP is a method of developing and maintaining large software systems by breaking code into smaller components. Concepts covered include: functions, pointers, arrays, structures and string functions, data file basics, linked list, stacks, queries, trees, recursion and searching, and sorting. Upon completion of this course, the student will have a good foundation to further his/her education or training in the technology field.

219 Computer Applications

Length of Time: Full Year
Number of Periods Per Week: 5
Number of Credits: 5.00

220 Computer Applications (3 day)

Length of Time: Full Year

Number of Periods Per Week: 3
Number of Credits: 3.00

Computer Applications is a hands-on course designed to build students' expertise in the Microsoft Office applications: Word (word processing), Excel (workbooks), and PowerPoint (graphic presentations). Computer Applications begins with review and application of Microsoft Word. Further, students will expand their knowledge of Word to include more advanced features for organizing (searching, replacing, sorting, filtering, and merging) data.

Students will also learn and apply the fundamentals of Microsoft Excel (workbooks). Workbook/worksheet design and formatting, basic formulas/functions, graphing/charting of data, and Excel's database features will be mastered during this segment.

Students will gain hands-on experience with one of the leading presentation programs in use today, Microsoft PowerPoint. Through hands-on instruction, students will design and present their own graphic presentations to an audience.

Finally, the Computer Applications course, emphasis is placed on the features, real-world application, and integration of Microsoft Word, Excel, and PowerPoint. In addition, supporting applications such as the internet, scanner, digital camera, and the editing/manipulation of graphics are also incorporated where possible. (220 is limited to those students with a lab science).

223 Advanced Computer Apps.

Length of Time: Full Year
Number of Periods Per Week: 5
Number of Credits: 5.00

224 Advanced Computer Apps. (3 day)

Length of Time: Full Year
Number of Periods Per Week: 3
Number of Credits: 3.00

PREREQUISITE:

Successful completion of Computer App.

Advanced Computer Applications is a hands-on course designed to build and/or expand students' expertise in the Microsoft Office applications: Word (word processing), Excel (workbooks), and PowerPoint (graphic presentations), Outlook (email and personal information manager), Communicator (communications and collaboration), and Publisher (publications). Emphasis is placed on the advanced features of the above applications as well as the

integration of these applications. In addition, supporting applications such as the scanner, digital camera, and the editing/manipulation of graphics are also incorporated where possible.

Throughout the course, lessons are based on projects and activities related to everyday business, consumer, and personal needs. As a result of this relevant approach, students will be able to use the applications covered both individually and in combination to address a variety of needs they may encounter both in and out of school. This approach will also develop students' ability to identify the time and place for a particular application.

Finally, Advanced Computer Applications students take the Microsoft Certification Exam in at least one of the above applications. (224 is limited to those student with a lab science.)

227 Investing

Length of Time	Full Year
Number of Periods Per Week	5
Number of Credits:	5.00

This course is designed to provide students with knowledge of basic concepts in personal financial planning and investing, enabling them to better set and achieve their own short- and long-term financial goals.

The class will explore various types of securities, such as stock, bonds, mutual funds and options, as well as the operation of the markets in which they are publicly traded. Financial analysis concepts, including return on investment, asset allocation, present value of money, diversification, and stock pricing, will be examined. Students will participate in investment simulations.

In addition, the course will focus on such personal financial planning issues as managing income, establishing financial goals, credit and debt management, financial decision making, insurance, taxes and budgeting.

228 JAVA

Length of Time	Full Year
Number of Periods Per Week:	5
Number of Credits:	5.00

PREREQUISITE:

Geometry with at least a "77" or higher average.

JAVA is widely accepted and used in industry and continues to grow in popularity in college-level programming courses. Students will gain hands-on experience with this latest programming language.

Concepts covered include: program security, program development and design, control structures, methods, data types, classes, arrays, inheritance, abstraction, encapsulation and polymorphism. Upon completion of this course, the student will have a good foundation to advance his/her education or pursuits in the technology world.

229 Personal/Business Law

Length of Time:	Semester
Number of Periods Per Week:	5
Number of Credits:	2.50

Students are given the opportunity to explore the origins of our legal system, understanding the operations of our court system, and become aware of legal requirements in day-to-day business transactions. Applications of basic principles are made in solving case problems. This course provides a student with a working knowledge of his/her rights and obligations to avoid legal entanglements. Topics such as debt and bankruptcy, collateral, repossessions, employment contracts, unions, employment discrimination, property laws, commercial paper, kinds of insurance, proprietorships, partnerships, and corporations will be discussed.

232 JAVA – Advanced Placement

Length of Time:	Full Year
Number of Periods Per Week:	5
Number of Credits:	5.00

PREREQUISITE:

Successful completion of Computer Programming (I & II) and JAVA with at least a "77" or higher.

This course is an advanced course for those students who plan to take the Advanced Placement Test for college credit offered by the College Board. JAVA provides the nice features of C++ and it is simpler, cleaner, and safer to use. The following concepts will be covered: object-base development, abstract data types (objects and classes), encapsulation and information hiding, constructs, controls (sequential, conditional, repetition--iteration and recursion, and functions), AP classes and templates, standard data structures, and standard algorithms (traversals, insertions, deletion, allocation/deallocation of memory). The student will also work with a case study that is provided by the College Board. Upon completion of this class, the student will have a good foundation to pursue his/her career in the Computer Science area.

233 Marketing I

Length of Time:	Full Year
Number of Periods Per Week:	5
Number of Credits:	5.00

This course offers students a view of the exciting world of marketing. Emphasis is placed on the development attitudes and skills related to marketing, merchandising, and management. Students will examine the complete retail process, including sales, pricing, communicating, displaying, and advertising. This course teaches students about the world of marketing while motivating them to develop the necessary skills to understand how marketing impacts consumers, the American economic system, and the international economy. Students will become aware of marketing as a career.

234 Marketing II - H

Length of Time:	Full Year
Number of Periods Per Week:	5
Number of Credits:	5.00

PREREQUISITE:

Successful completion of Marketing I. Students are required to be DECA members while enrolled in this course.

This course develops executive advertising skills for college-preparatory students who are looking for a challenging follow-up to Marketing I. Students deepen their understanding and apply principles of marketing research, product pricing, promotion, and marketing management through "real world" marketing scenarios and case studies. Each student is responsible for preparing a 20-30 page comprehensive paper in preparation for DECA competitions.

235 Entrepreneurship

Length of Time:	Full Year
Number of Periods Per Week:	5
Number of Credits:	5.00

A great course for students planning a college career in business. This course will provide students with a step-by-step journey through the process of owning and operating their own business. Students will analyze markets, sales and advertising strategies, learn modern management techniques, and learn problem-solving techniques necessary to start a successful business. Students will become aware of entrepreneurship as a career.

237 Financial Literacy

Length of Time:	Semester
Number of Periods Per Week:	5
Number of Credits:	2.50

In this course, students will explore the world of personal finance and careers. The goal is to enhance the student's ability to properly deal with the issues surrounding earning, spending, saving and investing money.

This course will include such personal finance topics as: income and careers, money management, credit and debt, saving and investing, risk management and insurance.

In addition the course will address issues that will enhance students' understanding of their responsibilities and rights as consumers, members of a community, and citizens of the United States and the world.

238 Financial Literacy

Length of Time:	Semester
Number of Periods Per Week:	5
Number of Credits:	2.50

Comprehensive Health and Physical Education

Course Number and Title	Recommended Grade Level	Length of Time	Number of Periods Per Week	Number of Credits
901/911 Physical Education I	9	3 Marking Periods	5	3.75
921 Family Living	9	1 Marking Period	5	1.25
902/912 Physical Education II	10	3 Marking Periods	5	3.75
922 Classroom Drivers Education	10	1 Marking Period	5	1.25
903/913 Physical Education III	11	3 Marking Periods	5	3.75
944 Comprehensive Health	11	1 Marking Period	5	1.25
904/914 Physical Education IV	12	3 Marking Periods	5	3.75
923 Comprehensive First Aid	12	1 Marking Period	5	1.25
905 Adaptive Physical Education/Health	9 - 12	4 Marking Periods	5	5.00

Descriptions of Comprehensive Health & Physical Education Courses

Physical Education

The Physical Education Department provides a variety of physical activities for our students. Physical skills, lead-up games and cognitive knowledge is taught in team sports, individual sports, and in the area of physical fitness. It is important to not only be able to play the game but also have the knowledge of the rules and regulations of the activity. Skill and written tests are given to evaluate the student's ability and knowledge. Our goal is to develop healthy attitudes towards physical conditioning and sports to enable our students to enjoy a full life of active participation.

Comprehensive Health Education

Health Education is taught to our students in a nine-week marking period block, five days a week. These courses are taught at each grade level and are planned to prepare students for facing everyday challenges - such as basic first aid emergencies, driving safely, making responsible choices for behavior related to family living, AIDS and sexually transmitted diseases, human sexuality, dating safety and drugs. Students will learn the rules of the road and experience the teaching of skills necessary to develop behavior that will promote healthy lifestyles. Students will learn through class activities, the impact their lifestyle choices have on their well-being and their community.

Descriptions of Comprehensive Health & Physical Education Courses

Grade 9

901/911 Physical Education I

Length of Time: 3 Marking Periods
Number of Periods Per Week: 5
Number of Credits: 3.75

Marking Period 1 -- Activities Offered

Field Hockey, *Fitness, Flag Football, Field Hockey, Pickleball, Soccer and Tennis, Cooperative Games, Recreational Games, Badminton

Marking Period 2 -- Activities Offered

Basketball, Dance, *Fitness

Marking Period 3 -- Activities Offered

*Fitness, Volleyball

Marking Period 4 -- Activities Offered

*Fitness, Lacrosse, Softball, Pickle Ball, Circuit and Tennis, Cooperative Games, Recreational Games, Badminton

*Fitness = Pre-Testing and Post-Testing, Cardiovascular Endurance, Strength, Power & Agility

921 Family Living

Length of Time: 1 Marking Period
Number of Periods Per Week: 5
Number of Credits: 1.25

Family Living provides students with an understanding of human sexuality, dating, values of the individual and the long-range effects of sexual behavior on their lives. AIDS and other sexually transmitted diseases are discussed. Pregnancy, childbirth, and birth control information are explored. Students need this information to help them make responsible decisions in their everyday lives. Their physical, social, and emotional development is explored to help them understand themselves and their interactions with others. Worksheets, group activities, projects, guest speakers and video tapes are used to provide a range of experiences. Career opportunities are explored and

discussed. The mandatory ten hours of drug information are incorporated into this course.

Grade 10

902/912 Physical Education II

Length of Time: 2 Marking Periods
Number of Periods Per Week: 5
Number of Credits: 3.75

Marking Period 1 -- Activities Offered

Field Hockey, *Fitness, Flag Football, Kickball, Pickleball, Badminton, Soccer, Tennis, Cooperative Games, Recreational Games

Marking Period 2 -- Activities Offered

Basketball, Dance, *Fitness, Volleyball

Marking Period 3 -- Activities Offered

*Fitness, Volleyball

Marking Period 4 -- Activities Offered

*Fitness, Recreational Games, Lacrosse, Pickleball, Softball, Tennis, Badminton

*Fitness = Pre-Testing, Cardiovascular Endurance, Strength, Power & Agility

922 Classroom Drivers Education

Length of Time: 1 Marking Period
Number of Periods Per Week: 5
Number of Credits: 1.25

Classroom Drivers Education provides information to help students learn basic driving techniques, to learn the rules of the road and pass the state written test. Information related to drug and alcohol use and abuse is covered as required by the STATE Mandate. Worksheets, study guides and tests are used to evaluate student progress in these areas.

Grade 11

903/913 Physical Education III

Length of Time: 3 Marking Periods
Number of Periods Per Week: 5
Number of Credits: 3.75

Marking Period 1 -- Activities Offered

Badminton, *Fitness, Flag Football, Pickleball, Tennis, Walking, Recreational Games

Marking Period 2 -- Activities Offered

Basketball, Dance, Fitness, Table Tennis, Team Handball, Volleyball, Floor Hockey, Weight Training

Marking Period 3 -- Activities Offered

Basketball, *Fitness, Table Tennis, Team Handball, Volleyball, Floor Hockey, Weight Training

Marking Period 4 -- Activities Offered

Badminton, *Fitness, Pickleball, Softball, Tennis, Weight Training, Walking, Recreational Games

*Fitness = Pre-Testing and Post-Testing, Cardiovascular Endurance, Strength, Power & Agility

944 Comprehensive Health

Length of Time: 1 Marking Period
Number of Periods Per Week: 5
Number of Credits: 1.25

This health program stresses health choices and decision making. The class will provide students with the skills necessary to weigh options, to make responsible decisions and to develop behaviors that will promote healthy lifestyles.

Students will be encouraged to assess their attitudes and behavior patterns, to develop an understanding of the impact their lifestyle choices have on their own well-being and their community.

This program will focus on making healthy choices, how to manage stress, discover types of mental problems, and understand suicide and how to recognize its symptoms.

Nutrition, the various kinds of exercise, and the effects of exercising has on the human

body will be studied. How to improve personal fitness, the importance of exercise and the assessment of each area will be explored.

A review of human sexuality and the issues related to reproduction, pregnancy, birth and birth control will be reviewed. AIDS and STD's will be taught with an emphasis on the effect on today's youth.

Family issues such as, building healthy relationships, dating safety and the impact of violence in the family will be discussed.

Drugs, alcohol and tobacco information will be covered as required by the state mandate.

The importance of choosing good health care and how public health impacts tomorrow's adults will be addressed. The goal of comprehensive health is to prepare our students to become healthy, knowledgeable, and informed members of society.

Grade 12

904/914 Physical Education IV

Length of Time: 3 Marking Periods
Number of Periods Per Week: 5
Number of Credits: 3.75

Marking Period 1 -- Activities Offered

Badminton, *Fitness, Flag Football, Pickleball, Tennis, Recreational Games, Walking

Marking Period 2 -- Activities Offered

Basketball, Dance (social and square), Table Tennis, Volleyball, Floor Hockey, Weight Training

Marking Period 3 -- Activities Offered

Aerobics-Conditioning, Basketball, *Fitness, Table Tennis, Team Handball, Volleyball, Weight Training

Marking Period 4 -- Activities Offered

Badminton, *Fitness, Walking, Pickle ball, Softball, Tennis, Weight Training, Recreational Games

*Fitness = Pre-Testing and Post-Testing, Cardiovascular Endurance, Strength, Power and Agility

923 Comprehensive First Aid

Length of Time: 1 Marking Period
Number of Periods Per Week: 5
Number of Credits: 1.25

This health program will consist of basic first aid skills that will include the State Mandated CPR and AED training. The class will provide students with the skills necessary to perform basic first aid whenever the situation occurs throughout their lives.

First Aid provides information on the emergency medical services, checking the victim, life threatening emergencies, injuries and care of injuries and basic medical emergencies.

Drugs, alcohol and tobacco information will be covered as required by the state mandate.

Students will use written and practical test to evaluate their performance in class.

905 Adaptive Physical Education/Health

Length of Time: Full Year
Number of Periods Per Week: 5
Number of Credits: 5.00

Adaptive Physical Education provides the students with a variety of activities that are designed to meet their physical, social and emotional needs. All activities are modified to help students achieve their full potential.

The health program stresses healthy choices and decision making. The students will learn strategies to improve and maintain their social, mental/emotional, and physical health. The students will learn and apply health promotion concepts and skills to support a healthy, active lifestyle.

English Language Arts

Course Number and Title	Recommended Grade Level	Length of Time	Number of Periods Per Week	Number of Credits
301 English Language Arts I-CP B	9	Full Year	5	5.00
311 English Language Arts I-CP A	9	Full Year	5	5.00
*321 English Language Arts I-H	9	Full Year	5	5.00
302 English Language Arts II-CP B	10	Full Year	5	5.00
312 English Language Arts II-CP A	10	Full Year	5	5.00
*322 English Language Arts II- H	10	Full Year	5	5.00
303 English Language Arts III-CP B	11	Full Year	5	5.00
313 English Language Arts III-CP A	11	Full Year	5	5.00
*323 English Language Arts III - H	11	Full Year	5	5.00
328 English Language & Composition- AP	11	Full Year	5	5.00
304 English Language Arts IV- CP B	12	Full Year	5	5.00
314 English Language Arts IV –CP A	12	Full Year	5	5.00
*324 English Language Arts IV - H	12	Full Year	5	5.00
#327 English Literature & Composition - AP	12	Full Year	5	5.00
352 Creative Writing	11 - 12	Semester	5	2.50
353 American and British Humor	11 - 12	Semester	5	2.50
354 Public Speaking	11 - 12	Full Year	5	5.00
355 Film Critique	11 – 12	Semester	5	2.50
356 Sports in Literature and Society I	11 - 12	Semester	5	2.50
357 Sports in Literature and Society II	11 - 12	Semester	5	2.50
341 Literacy Foundations I	9	Full Year	5	5.00
342 Literacy Foundations II	10	Full Year	5	5.00
343 Literacy Foundations III	11	Full Year	5	5.00
345 Literacy Foundations IV	12	Full Year	5	5.00
388 ESL (English as a Second Language)	9 - 12	Full Year	5	5.00
371 SAT Prep	10-11	Full Year	3	3.00

*= Weighted Courses – 8 points

#=Weighted Courses – 15 points

AP = Advanced Placement

CP = College Prep

H = Honors

Descriptions of English Language Arts Courses

English Language Arts I

301 English Language Arts I-CP B

311 English Language Arts I-CP A

321 English Language Arts I-H

Length of Time: Full Year

Number of Periods Per Week: 5

Number of Credits: 5.00

Through this course, students will explore different literary works with a common theme of tolerance. Students will exhibit the ability to define and apply new vocabulary and enhance grammar skills. Students will also work on writing skills through various forms of differentiated instruction.

PREREQUISITES for English Language Arts I – Honors

Selection for English Language Arts I Honors will be based on multiple measures.

Summer Reading Requirements for English Language Arts I

Students are required to do a summer reading assignment. Assignment will be announced before the end of the school year.

English Language Arts II

302 English Language Arts II-CP B

312 English Language Arts II-CP A

322 English Language Arts II-H

Length of Time: Full Year

Number of Periods Per Week: 5

Number of Credits: 5.00

Through this course, students will be exposed to the works of various world authors as they gain a perspective of government in various cultures. Students will exhibit the ability to define and apply new vocabulary and enhance grammar skills. Students will also work on writing skills through various forms of differentiated instruction.

PREREQUISITES for English Language Arts II – Honors

1. Maintain a “77” or better average in English Language Arts I-Honors
or
2. A grade of “93” or higher in English Language Arts I-CP A
AND
3. Written recommendation from English Language Arts I CP-A teacher submitted to school counselor

Summer Reading Requirements for English Language Arts II

Students are required to do a summer reading assignment. Assignment will be announced before the end of the school year.

English Language Arts III

303 English Language Arts III- CP B

313 English Language Arts III –CP A

323 English Language Arts III –H

328 English Language and Composition AP

Length of Time: Full Year

Number of Periods Per Week: 5

Number of Credits: 5.00

Through this course, students will explore various forms of American literature. Students will exhibit the ability to define and apply new vocabulary and enhance grammar skills. Students will also work on writing skills through various forms of differentiated instruction.

PREREQUISITES for English Language Arts III – Honors

1. Maintain a “77” or better average in English Language Arts II-Honors
or
2. A grade of “93” or higher in English Language Arts II-CP A
AND
3. Written recommendation from English Language Arts II-CP A teacher submitted to school counselor

328 English Language and Composition AP

Length of Time: Full Year
Number of Periods Per Week: 5
Number of Credits: 5.00

PREREQUISITES for English Language and Composition AP:

- 1. Maintain a "85" or better average in English Language Arts II-Honors
AND**
- 2. Written recommendation from English Language Arts II-Honors teacher submitted to school counselor**

THIS IS A COLLEGE-LEVEL COURSE

This course will offer students the opportunity to study English in preparation for taking the College Board Exam for advanced placement in college English at the end of 11th grade. It is possible for a student who successfully passes the exam to receive as much as six semester hours of credit in college. The course will be given weighted grades. Study in the course will include college level knowledge of American literature. There will be an emphasis on analytical writing and students will be expected to critically analyze poetry and essays. In addition, students are required to meet the following summer reading requirements.

Summer Reading Requirements for English Language Arts III

Students are required to do a summer reading assignment. Assignment will be announced before the end of the school year.

English Language Arts IV

304 English Language Arts IV-CP B 314 English Language Arts IV-CP A 324 English Language Arts IV-H 327 English Literature and Composition AP

Length of Time: Full Year
Number of Periods Per Week: 5
Number of Credits: 5.00

Through this course, students will read British literature while exploring the importance of characterization throughout various literary

works. Students will exhibit the ability to define and apply new vocabulary and enhance grammar skills. Students will also work on writing skills through various forms of differentiated instruction.

PREREQUISITES for English Language Arts IV – Honors

- 1. Maintain a "77" or better average in English Language Arts III-Honors
or**
- 2. A grade of "93" or higher in English Language Arts III-CP A
AND**
- 3. Written recommendation from English Language Arts III-CP A teacher submitted to school counselor**

327 English Literature and Composition AP

Length of Time: Full Year
Number of Periods Per Week: 5
Number of Credits: 5.00

PREREQUISITES for English Literature and Composition AP:

- 1. Maintain a "85" or better average in English Language Arts III-Honors
AND**
- 2. Written recommendation from English Language Arts III-Honors teacher submitted to school counselor**

THIS IS A COLLEGE-LEVEL COURSE

This course will offer students the opportunity to study English in preparation for taking the College Board Exam for advanced placement in college English. It is possible for a student who successfully passes the exam to receive as much as six semester hours of credit in college. The course will be given weighted grades. Study in the course will include the four genres of literature (drama, novel, poetry and literature prose). There will be an emphasis on expository writing and close reading of the literature. In addition, students are required to meet the following summer reading requirements.

Summer Reading Requirements for English Language Arts IV

Students are required to do a summer reading assignment. Assignment will be announced before the end of the school year.

356 Sport in Literature and Society I (Fall Offering)*

Length of Time:	Semester
Number of Periods Per Week:	5
Number of Credits:	5.00

Sport in Literature and Society is an elective course open to students who wish to discover fiction and non-fiction literature relating to sports. While applying higher order critical thinking skills, students will read, write, and discuss various issues connected to sports and society. Students will have the opportunity to identify a connection between personal interests and literature. Students will also gain an understanding of sport as not only a means of entertainment, but also a source of important literature and a lens through which meaningful societal issues can be viewed. This course will focus specifically on the literature of football and soccer as well as other sports selected to coincide with the calendar.

357 Sport in Literature and Society II (Spring Offering)*

Length of Time:	Semester
Number of Periods Per Week:	5
Number of Credits:	5.00

Sport in Literature and Society is an elective course open to students who wish to discover fiction and non-fiction literature relating to sports. While applying higher order critical thinking skills, students will read, write, and discuss various issues connected to sports and society. Students will have the opportunity to identify a connection between personal interests and literature. Students will also gain an understanding of sport as not only a means of entertainment, but also a source of important literature and a lens through which meaningful societal issues can be viewed. This course will focus specifically on the literature of basketball and baseball as well as other sports selected to coincide with the calendar.

*Students may enroll in either one or both of the above courses. They need not be taken sequentially, nor is SLS I a prerequisite for SLS II.

352 Creative Writing

Length of Time:	1 Semester
Number of Periods Per Week:	5
Number of Credits:	2.50

This course will concentrate on developing students' skills in writing various kinds of poems and in exploring techniques for writing fiction. Students will learn how to develop different poetic forms and will learn how to create characters, establish conflict, and develop a plot while writing a short story. Students will write original poems, short stories, and / or plays.

353 American and British Humor

Length of Time:	1 Semester
Number of Periods Per Week:	5
Number of Credits:	2.50

A short history of the development of American and British humor will be given. All types of humor will be explored such as satire, parody, irony, farce, and hyperbole. Students will read examples of the different types as well as write some of their own original humorous stories. This course is open to juniors and seniors.

354 Public Speaking

Length of Time:	Full Year
Number of Periods Per Week:	5
Number of Credits:	5.00

The purpose of this course is to give the student practical help in learning to speak in public. All forms of oral communication will be practiced with special emphasis on confidence building within the individual. The course will give the student a brief history of speech but is primarily a student-action course. The message, the speaker and the audience will be examined in detail as the basis for effective public speaking. The various types of speeches will be practiced such as the speech to entertain, inform and persuade.

355 American Film Critique

Length of Time:	Semester
Number of Periods Per Week:	5
Number of Credits:	2.50

This advanced elective course will expose students to an emerging and critical medium—film. Students will learn to compare, analyze, evaluate, and cumulatively create various elements, such as characterization and special effects, of American film. In viewing these pre-defined films, students will garner a broader appreciation for a medium that illustrates and often defines aspects of American culture. Viewing, listening, analytical thinking and frequent writing will be emphasized.

371 SAT Prep

Length of Time	Full Year
Number of Periods Per Week:	3
Number of Credits:	3.00

This course is designed to familiarize the students with the structure of the SAT. Test taking techniques and specific strategies for approaching the SAT.

341 Literacy Foundations I

342 Literacy Foundations II

343 Literacy Foundations III

345 Literacy Foundations IV

Length of Time:	Full Year
Number of Periods Per Week:	5
Number of Credits:	5.00

Literacy Foundations is required for all students who require more assistance reaching district standards, as identified by multiple measures. This course will concentrate on literary analysis, inferential comprehension, and writing skills.

Students identified in need of improvement in ELA will be required to take Literacy Foundations and a regular ELA class. Credit will be given for the Literacy Foundations class, which will take place of their electives, but will not fulfill their graduation requirements in ELA.

Family and Consumer Sciences

Course Number and Title	Recommended Grade Level	Length of Time	Number of Periods Per Week	Number of Credits
501 Family and Consumer Sciences I	9 - 10	Full Year	5	5.00
502 Family and Consumer Sciences II	10 - 11 - 12	Full Year	5	5.00
503 Singles Survival	11 - 12	Full Year	5	5.00
505 Advanced Foods	11 - 12	Full Year	5	5.00
506 Interior Design and Decoration	11 - 12	Full Year	5	5.00
507 Family Relationships and Child Development	11 - 12	Full Year	5	5.00

Areas Covered in Family and Consumer Sciences

Eight areas are covered in Family and Consumer Sciences courses. They include:

- a. Foods and Nutrition
- b. Clothing and Textiles
- c. Family Health and Safety
- d. Home Management
- e. Child Growth and Development
- f. Housing, Home Furnishings, Equipment
- g. Personal and Family Relationships
- h. Personal and Family Economics

Emphasis is placed in all units on consumer education and career opportunities in Family and Consumer Sciences and related fields.

Requirements are: Class work, textbook study, evaluation tests, notebooks, outside preparation and homework, research, individual and group projects, home experiences.

Descriptions of Family and Consumer Sciences Courses

501 Family and Consumer Sciences I

Length of Time:	Full Year
Number of Periods Per Week:	5
Number of Credits:	5.00

Through laboratory experience and textbook study students will cover the following units: safety in the home; kitchen techniques; table settings, service, manners; management of time: food preparation, basic nutrition; care and use of home equipment and appliances; care and use of the sewing machine and supplies; basic clothing construction; textiles; using money resources wisely; selecting a pattern and fabric according to figure types; self development.

CLOTHING PROJECT:

Shorts; fabric purchase required.

502 Family and Consumer Sciences II

Length of Time:	Full Year
Number of Periods Per Week:	5
Number of Credits:	5.00

PREREQUISITE:

Successful Completion of Family & Consumer Sciences I

Students will study the following units: planning and serving attractive meals; special diets; foods preparation, baking techniques and functions of ingredients; nutrition; food sanitation; figure analysis; pattern and fabric selections; line and design; color harmonies; be a wise consumer--fabric buying, advertising, budgeting your money; clothing construction (developing further skills and techniques); comparison buying, laws on labeling.

CLOTHING PROJECT: Shirt; fabric purchase required.

503 Singles Survival

Length of Time:	Full Year
Number of Periods Per Week:	5
Number of Credits:	5.00

For Juniors and Seniors Who Have Not Previously Had Family and Consumer Sciences I or II

The students will learn the basics of surviving on his/her own--clothing and laundry care; budgeting money wisely; obtaining credit and furnishing a first apartment. The student is required to purchase fabric to sew a pair of shorts after they complete various hand-sewing and machine samples. The course includes nutritional needs for good health, kitchen techniques and the basics for food preparation.

CLOTHING PROJECT:

Shorts; fabric purchase required.

505 Advanced Foods

Length of Time:	Full Year
Number of Periods Per Week:	5
Number of Credits:	5.00

For Juniors and Seniors

PREREQUISITE:

1. "85" or above in Family and Consumer Sciences I and II or Singles Survival
2. Students should have an interest in the culinary area.

The emphasis of this course is on more complex food preparations and equipment. areas of study include: food service careers; safety and sanitation; appliance cookery (including microwave oven); selection, care and use of utensils and equipment; yeast breads; cookbook use and organization; international foods; united states regional foods, advanced cooking techniques as related to basic nutrition. Study includes both textbook study and hands-on experiences.

506 Interior Design and Decoration

Length of Time:	Full Year
Number of Periods Per Week:	5
Number of Credits:	5.00

For Juniors and Seniors

This course will help students understand how to select an apartment or house that fits their needs and income. Class members will learn about the financial aspects of housing as well as how to furnish, decorate and equip a home. In addition to principles and elements of design, class members will design and draw floor plans for the home he/she would like to own. Students will make several accessories for their home from crafts learned in class.

507 Family Relationships and Child Development

Length of Time:	Full Year
Number of Periods Per Week:	5
Number of Credits:	5.00

For Juniors and Seniors

In this course, students will evaluate themselves as an individual, a future marriage partner and parent. Class members will examine the relationships which exist within the family and between the family and the community. The behavior and development of children within the family will be covered in detail. Units of study will include: physical, emotional and mental development of children from conception to pre-school age; marriage; family crises; divorce; the future of the family.

Industrial Technology Education

Course Number and Title	Recommended Grade Level	Length of Time	Number of Periods Per Week	Number of Credits
601 CAD I	9 - 12	Full Year	5	5.00
602 CAD II	10 - 12	Full Year	5	5.00
603 CAD III	11 - 12	Full Year	5	5.00
605 Construction Technology I	9 - 12	Full Year	5	5.00
606 Construction Technology II	10 - 12	Full Year	5	5.00
611 Manufacturing Technology I	9 - 12	Full Year	5	5.00
612 Manufacturing Technology II	10 - 12	Full Year	5	5.00
617 Manufacturing Technology III/IV	11 - 12	Full Year	5	5.00
618 Cabinetmaking	11 - 12	Full Year	5	5.00
624 Introduction to Video Production I	9 - 12	Full Year	5	5.00
625 Video Production II	10 - 12	Full Year	5	5.00
635 Introduction to Engineering Design	9 - 10	Full Year	5	5.00
*634 Digital Electronics	10	Full Year	5	5.00
*637 Principles of Engineering	11	Full Year	5	5.00
*638 Computer Integrated Manufacturing	11	Full Year	5	5.00
*639 Engineering Design & Development	12	Full Year	5	5.00
640 Home Improvement	12	Semester	5	2.50

*=Weighted Courses - 8 points
H = Honors

Descriptions of Industrial Technology Education Courses

601 CAD I

Length of Time:	Full Year
Number of Periods Per Week:	5
Number of Credits:	5.00

This course is designed to provide first year students with basic skills in drafting. Students will learn the basics of an interactive computer graphics system (C.A.D.) for preparing drawings.

602 CAD II

Length of Time:	Full Year
Number of Periods Per Week:	5
Number of Credits:	5.00

This course offers the beginning rudiments of drafting from tools and materials and how to use them, to different types of drawings. It will help students who have an interest in reading blueprints in later life and occupations as well as to the few who will create blueprints. Students will learn the basics of an interactive computer graphics system (C.A.D.) for preparing drawings.

603 CAD III

Length of Time:	Full Year
Number of Periods Per Week:	5
Number of Credits:	5.00

A student selecting this course should have completed CAD II and have a desire to investigate all the aspects of machine drafting and architectural drafting. This is a concentrated course in CAD for the machine shop, including basic knowledge of shop processes. It is intended to convey an understanding of complicated blueprints, found in many trades, by drawing and reading. All aspects of house design and planning and related construction trade job opportunities in lumber yards, contractors' offices, etc. are covered. Students will draw using the CAD system. Information will be stored and retrieved on a computer disc,

and commercial quality drawings will be produced using a computer drive plotter.

605 Construction Technology I

Length of Time:	Full Year
Number of Periods Per Week:	5
Number of Credits:	5.00

Construction Technology I is a course for students interested in studying the various woodworking and related industries in-depth. The functions of a modern industry will be examined through the use of more sophisticated projects and machine operations. Time will also be given for individual work.

606 Construction Technology II

Length of Time:	Full Year
Number of Periods Per Week:	5
Number of Credits:	5.00

This is an advanced course for tenth-, eleventh- and twelfth-grade students designed to expand on the work of Construction Technology I. Construction Technology I is a prerequisite. A marking period will be devoted to students developing and working on a mass production product as a class. This will cover design, advertising, packaging and sale of the product. The major part of the course will deal with project work involving new industrial methods of laminating (plastic and wood), veneering and bending with electronic wood welding techniques and split piece lathe turning to name a few.

611 Manufacturing Technology I

Length of Time:	Full Year
Number of Periods Per Week:	5
Number of Credits:	5.00

This course is designed to provide first year students with basic skills in the area of manufacturing products. There was a time when manufacturing jobs were open to unskilled or semi-skilled people. However,

these times are disappearing rapidly. As equipment and vehicles become more complex, educational and capability-levels of workers must increase. This is the first introduction to these new technologies. Students will transform raw materials such as plastic, metal and wood into a product. Students will learn about the tools, machinery, equipment and systems of technology for production. It is the intent of this course to introduce students to computer technology, computer controlled machines, robotics and computer aided design. Students will also learn skills to perform repairs on products. Various career opportunities will be explored.

612 Manufacturing Technology II

Length of Time:	Full Year
Number of Periods Per Week:	5
Number of Credits:	5.00

It is the intent of this course to expand on the basic fundamentals of both theory and practice for the basic manufacturing professions. Students will learn manual machining processes which will be incorporated into operating computer controlled machinery. In addition, students will learn soldering, brazing and welding skills used in metalworking. Students will continue to develop hands-on skills with tools, machinery and equipment when working with plastic, metal, wood and other raw materials. Students will be introduced to lamination processes to change materials' strength and characteristics. Career opportunities will continue to be explored.

617 Manufacturing Technology III/IV

Length of Time:	Full Year
Number of Periods Per Week:	5
Number of Credits:	5.00

This is an advanced course for students that are designed to expand on the work of Manufacturing Technology II. Computer skills along with basic electronics and robotics will be covered. In this course, Gas, Arc, M.I.G. and T.I.G. welding will be investigated with in-depth practice in various positions and with various materials. All facets of machine shop operations will be covered. Mass Production and assembly line procedures will be introduced. Students will work on design, material selection and

construct a project working with conveyor belt, robots and computer aided machining. Quality Control will also be covered. Trends in using technology to solve problems will be incorporated along with career preparation and opportunities available will be reinforced. Emphasis will be placed on C.A.M., C.N.C. and C.I.M. for students in their 4th year of study.

618 Cabinetmaking

Length of Time:	Full Year
Number of Periods Per Week:	5
Number of Credits:	5.00

PREREQUISITE:

Successful completion of Construction Technology I & II with a grade of 77 or better in Construction Technology II

Cabinetmaking is a course designed for the advanced woodworking student. The course involves construction of complex projects dealing with precision woodworking. The student will be expected to design, construct and finish projects of professional quality.

624 Introduction to Video Production I

Length of Time:	Full Year
Number of Periods Per Week:	5
Number of Credits:	5.00

This course will expose students to the fundamentals of cinematography and the basic workflow of video production. In addition to video production, the curriculum will set the foundations for the fundamental principles of audio for film and video/filming location awareness. This course will also include heavy use of the latest video production software and exposure to screenplay writing, set design, and actor selection. This course should be selected by students that are curious about elements of creating film.

625 Video Production II

Length of Time:	Full Year
Number of Periods Per Week:	5
Number of Credits:	5.00

PREREQUISITE:

1. Completed Introduction to Video Production I.

Students in the Television Production II class will take the skills that were learned in Television Production I (camera operations, directing, script writing, and planning out a production,) and apply those skills to working outside of the TV Studio. Students in the Television Production II class will learn to use portable cameras, tripods, microphones, and how to create a television production when not working in the TV Studio. Students will take the footage recorded and edit it using state of the art editing equipment. Students will learn how to edit their footage using non-linear computers using Adobe Premiere Pro to edit their footage. Projects will range from commercials to news stories.

635 Introduction to Engineering Design

Length of Time:	Full Year
Number of Periods Per Week:	5
Number of Credits:	5.00

PREREQUISITES:

- 1. Completed Algebra I with an 85 or better unless accepted into the Engineering Academy.**

Introduction to Engineering Design is a course that teaches problem-solving skills using a design development process. Models of product solutions are created, analyzed and communicated using solid modeling computer design software.

634 Digital Electronics

Length of Time:	Full Year
Number of Periods Per Week:	5
Number of Credits:	5.00

PREREQUISITES:

- 1. Completed Intro to Engineering Design with an 85 or better**
- 2. Completed Geometry CP/H with an 85 or better**
- 3. Completed or be concurrently taking Algebra II.**

Digital Electronics is a course in applied logic that encompasses the application of electronic circuits and devices. Computer simulation software is used to design and test digital circuitry prior to the actual construction of circuits and devices.

637 Principles of Engineering

Length of Time:	Full Year
Number of Periods Per Week:	5
Number of Credits:	5.00

PREREQUISITES:

- 1. Completed Digital Electronics with an 85 or better**
- 2. Completed Algebra II CP/H with an 85 or better**

Principles of Engineering is a course that helps students understand the field of engineering/engineering technology. Exploring various technology systems and manufacturing processes help students learn how engineers and technicians use math, science and technology in an engineering problem solving process to benefit people. The course also includes concerns about social and political consequences of technological change.

638 Computer Integrated Manufacturing

Length of Time:	Full Year
Number of Periods Per Week:	5
Number of Credits:	5.00

PREREQUISITES:

- 1. Completed Digital Electronics with an 85 or better**
- 2. Completed Algebra II CP/H with an 85 or better**

Computer Integrated Manufacturing is a course that applies principles of robotics and automation. The course builds on computer solid modeling skills developed in Introduction of Engineering Design. Students use CNC equipment to produce actual models of their three-dimensional designs. Fundamental concepts of robotics used in automated manufacturing, and design analysis are included.

639 Engineering Design and Development

Length of Time:	Full Year
Number of Periods Per Week:	5
Number of Credits:	5.00

PREREQUISITES:

- 1. Completed Principal of Engineering with an 85 or better**
- 2. Completed Computer Integrated Manufacturing with an 85 or better**
- 3. Completed Precalculus CP/H with an 85 or better**

Engineering Design and Development is an engineering research course in which students work in teams to research, design and construct a solution to an open-ended engineering problem. Students apply principles developed in the four preceding courses and are guided by a community mentor. They must present progress reports, submit a final written report and defend their solutions to a panel of outside reviewers at the end of the school year.

640 Home Improvement

Length of Time:	Semester
Number of Periods Per Week:	5
Number of Credits:	2.50

Home Improvement is designed to give students a working knowledge of how to make household repairs through the introduction of hand and power tools and techniques needed for basic home maintenance. The fundamentals of electricity, plumbing, carpentry, masonry and appliance trouble-shooting and repairs will be explored. Students will also review fundamental methods in repairing common household items such as furniture, cabinets, and framing. The understanding of blueprints and its importance in trouble-shooting problems in equipment and solving problems buried within a wall structure will be covered. This course can correspond with financial literacy.

Mathematics

Course Number and Title	Recommended Grade Level	Length of Time	Number of Periods Per Week	Number of Credits
703 Pre-Algebra	9	Full Year	5	5.00
706 Algebra I	9 - 12	Full Year	5	5.00
707 Geometry	9 - 12	Full Year	5	5.00
*708 Geometry-Honors	9 - 10	Full Year	5	5.00
709 Algebra II	10 - 12	Full Year	5	5.00
*710 Algebra II-Honors	10 - 12	Full Year	5	5.00
711 Pre-Calculus	11 - 12	Full Year	5	5.00
*712 Pre-Calculus-Honors	11 - 12	Full Year	5	5.00
*713 Calculus	12	Full Year	5	5.00
#728 Calculus-AB Advanced Placement	11 - 12	Full Year	5	5.00
#714 Calculus-BC Advanced Placement	12	Full Year	5	5.00
731 College and Career Readiness Math	11 - 12	Full Year	5	5.00
750 Statistics	11 - 12	Full Year	5	5.00
751 Statistics-Advanced Placement	11 - 12	Full Year	5	5.00
732 Math Lab	9	Full Year	5	5.00
371 SAT Prep	10 - 11	Full Year	3	3.00

*= Weighted Courses – 8 Points

#=Weighted Courses – 15 Points

Descriptions of Mathematics Courses

703 Pre-Algebra

Length of Time: Full Year
Number of Periods Per Week: 5
Number of Credits: 5.00

Pre-Algebra is designed to ease the transition from basic mathematical concepts to more abstract algebraic concepts. Students will extend their understanding of fundamental topics including the real number system, operations with integers, and order of operations. They will then be introduced to algebraic concepts including writing and simplifying algebraic expressions, solving linear equations and inequalities, and real-world applications. This class is taken in conjunction with Math Lab.

706 Algebra I

Length of Time: Full Year
Number of Periods Per Week: 5
Number of Credits: 5.00

Algebra I presents the foundation for upper-level math courses. It covers the use of the real number system written polynomials, equations, inequalities, factoring, rational expressions, systems of equations and radicals. This comprehensive course prepares students to pursue algebra in related disciplines and real world situations.

707 Geometry

Length of Time: Full Year
Number of Periods Per Week: 5
Number of Credits: 5.00

PREREQUISITE:

1. Successful completion of Algebra I.
2. Final average of 77 or better in eighth grade Algebra.

This course emphasizes the study of Euclidean Geometry, including spatial relationships and the development of logical arguments and geometric proof. Geometric transformations are studied as the foundation for understanding both congruence and similarity, which in turn become the foundation for understanding relationships between and within triangles, quadrilaterals, right triangles and circles. Additional topics of study include coordinate geometry and three-dimensional figures. It is required that the student selecting this course should have successfully passed Algebra I.

708 Geometry - Honors

Length of Time: Full Year
Number of Periods Per Week: 5
Number of Credits: 5.00

PREREQUISITES:

1. Final average of "85" or higher in Algebra I.
2. Must complete summer packet.

This Geometry course emphasizes an in-depth study of the same topics as Geometry. A greater emphasis is placed on problem solving, proof, and logical reasoning.

709 Algebra II

Length of Time: Full Year
Number of Periods Per Week: 5
Number of Credits: 5.00

This course is a continuation of Algebra I. It includes a more in-depth look at quadratic functions, as well as the study of polynomial, logarithmic and rational functions and an introductory study of statistics. Algebra II is open to students who have successfully completed Algebra I and Geometry.

710 Algebra II - Honors

Length of Time: Full Year
Number of Periods Per Week: 5
Number of Credits: 5.00

PREREQUISITES:

1. Final average of "85" or better in Algebra I.
2. The student must complete the introductory packet during the summer.

This course emphasizes an in-depth study of the same topics as Algebra II as well as an introductory study of trigonometric functions. The purchase of a TI-84 calculator is highly recommended.

711 Pre-Calculus

Length of Time: Full Year
Number of Periods Per Week: 5
Number of Credits: 5.00

PREREQUISITE:

Successful completion of Algebra II. This course is also available over the summer to accelerate the mathematics program.

Pre-Calculus includes a thorough presentation of trigonometric concepts such as trigonometric functions and their graphs, right triangle solutions, identities, inverse functions and logarithms. It extends the study of functions to include polynomial functions, differentials, exponential and circular functions. The purchase of a TI-84 calculator is highly recommended.

712 Pre-Calculus - Honors

Length of Time:	Full Year
Number of Periods Per Week:	5
Number of Credits:	5.00

PREREQUISITES:

1. Final average of "80" or better in Algebra II-Honors (or) Final average of "90" or better in Algebra II.
2. The student must complete the introductory packet during the summer.

This course is designed to prepare students for a full-year of calculus. It consists of elementary functions, trigonometry and its applications, sequences, series and limits, algebraic functions, exponential and logarithmic functions, conics, an introduction to calculus and an introduction to probability. The student must have successfully completed Geometry and Algebra II in order to enter this course. The purchase of a TI-84 calculator is highly recommended.

713 Calculus

Length of Time:	Full Year
Number of Periods Per Week:	5
Number of Credits:	5.00

PREREQUISITES:

1. Final average of "80" or better in Pre-Calculus (CP) (or) "70" or better in Pre-Calculus Honors.
2. The student must complete the introductory packet during the summer.

Calculus is the mathematics of motion and change. This course begins with a review of functions and limits. This leads to an understanding and the application of differentials which deal with calculating rates and integrations which determine a function from its rate of change. The purchase of a TI-84 calculator is highly recommended.

728 Calculus- AB

Advanced Placement - AP

Length of Time:	Full Year
Number of Periods Per Week:	5
Number of Credits:	5.00

PREREQUISITES:

1. Final average of "80" or better in Pre-Calculus-Honors (or) Final average of "90" or better in Pre-Calculus with teacher recommendation.
2. The student must complete the introductory packet during the summer.

THIS IS A COLLEGE-LEVEL COURSE

The purpose of this course is to have students (1) recognize and evaluate limits, both finite and infinite, (2) find the derivative of basic functions, (3) apply the derivative to the solution of various word problems, (4) find the integral of various problems and (5) apply the integral to the solution of various word problems. Students will have the opportunity to take the College Board Advanced Placement Examination for college credit. The purchase of a TI-84 calculator is highly recommended.

714 Calculus- BC

Advanced Placement - AP

Length of Time:	Full Year
Number of Periods Per Week:	5
Number of Credits:	5.00

PREREQUISITES:

1. Final average of "80" or better in Calculus-Advanced Placement-AB in their junior year.
2. The student must complete the introductory packet during the summer.

THIS IS A COLLEGE-LEVEL COURSE

The purpose of this course is to have students continue their in-depth study of the skills and concepts presented in the Calculus-Advanced Placement-AB course. Advanced derivative and integral applications will be taught. This course is for the student interested in a career in mathematics, the sciences, or engineering. Students will have the opportunity to take the College Board Advanced Placement Calculus BC test for college credit. The purchase of a TI-84 Graphing Calculator is highly recommended.

732 Math Lab

Length of Time:	Full Year
Number of Periods Per Week:	5
Number of Credits:	5.00

"Created by MIND Research Institute, ST Math is game-based instructional software for K-12 and is designed to boost math comprehension and proficiency through visual learning. Integrating with classroom instruction, ST Math incorporates the latest research in learning and the brain and promotes mastery-based learning and mathematical understanding. The ST Math software games use interactive, graphically-rich animations that visually represent mathematical concepts to improve conceptual understanding and problem-solving skills," <http://www.mindresearch.net/programs/Pre-Algebra> students take this lab in conjunction with the Pre-Algebra class in order to enrich their Algebra readiness skills at their own individual pace.

750 Statistics

Length of Time:	Full Year
Number of Periods Per Week:	5
Number of Credits:	5.00

PREREQUISITE:

1. Successful completion of Algebra I and Geometry.

This course is designed to prepare students who are college bound and interested in pursuing careers that require an analysis of statistics to be successful at the college level. The purpose of this course is to introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students will learn the basics of statistics and probability. They will learn how to read and interpret data, make inferences based on data, rules of probability and how to use them, and how statistics and probability relate to real world phenomenon. Students will use experiments and surveys to collect and analyze data.

751 Statistics-Advanced Placement

Length of Time:	Full Year
Number of Periods Per Week:	5
Number of Credits:	5.00

PREREQUISITE:

1. Final average of "85" or better in Algebra II CP (or) Final average of "77" or better in Algebra II Honors.

The AP Statistics course is an excellent option for any student who has successfully completed a second year course in algebra and who possesses sufficient mathematical maturity and quantitative reasoning ability, as well the ability to communicate effectively in writing. Students can take AP Statistics instead of Calculus or in addition to it. This AP Statistics course will expose students to college-level mathematics. Studying statistics involves collecting, organizing, summarizing, analyzing, and drawing conclusions from data. Many college majors require students to take at least one semester of a statistics course. Students will have the opportunity to take the College Board AP Exam for college credit.

731 College and Career Readiness Math

Length of Time:	Full Year
Number of Periods Per Week:	5
Number of Credits:	5.00

This course is a third or fourth year math elective for students planning on attending college or a vocational/technical school. The course is best used as a 3rd year alternative to Algebra II or a 4th year math alternative to Pre-Calculus. College and Career Readiness Math will prepare students for entry-level college math courses and provide practical hands-on opportunities to foster success in future careers. Mathematical topics such as reasoning, sets, logic, algebra, geometry and measurement, probability, statistics and consumer scenarios are taught within real-world applications. This course will provide an effective transition from the traditional high school courses of Algebra and Geometry to mathematics found in college or career.

371 SAT Preparation

Length of Time:	Full Year
Number of Periods Per Week:	3
Number of Credits:	3.00

PREREQUISITE:

1. Completed and or concurrently taking Geometry.

This course is designed to familiarize the students with the structure of the Scholastic Aptitude Test. Students will have an opportunity to review topics such as Algebra, Data Analysis, Geometry and Trigonometry as well as test taking strategies.

Science

Course Number and Title	Recommended Grade Level	Length of Time	Number of Periods Per Week	Number of Credits
150 Fundamentals of Science-College Preparatory	9 - 10	Full Year	5	5.00
153 Biology / Lab	10 - 12	Full Year	7	7.00
155 Chemistry / Lab	10 - 12	Full Year	7	7.00
156 Environmental Science	11 - 12	Full Year	5	5.00
157 Physics / Lab - College Preparatory	11 - 12	Full Year	7	7.00
162 Human Physiology & Anatomy/ Lab-College Preparatory	11 - 12	Full Year	7	7.00
*163 Biology/Lab-Honors	10	Full Year	7	7.00
*164 Chemistry/Lab - Honors	10 - 11	Full Year	7	7.00
*170 Human Physiology and Anatomy/Lab – Honors	11 – 12	Full Year	7	7.00
#174 Environmental Science - Advanced Placement	11 - 12	Full Year	7	7.00
#175 Chemistry/Lab - Advanced Placement	11 - 12	Full Year	7	7.00
#176 Biology/Lab - Advanced Placement	11 - 12	Full Year	7	7.00
#177 Physics 1/Lab - Advanced Placement	11 - 12	Full Year	7	7.00
#178 Physics "C"/Lab – Advanced Placement	12	Full Year	7	7.00
179 Forensics	12	Full Year	5	5.00

*= Weighted Course – 8 points

#=Weighted Course – 15 points

Descriptions of Science Courses

150 Fundamentals of Science - College Preparatory

Length of Time: Full Year
Number of Periods Per Week: 5
Number of Credits: 5.00

The main objective of this course is to develop in the students an understanding of the fundamental theories which are basic to physical science. The major areas covered will be basic earth science, heat, mechanics, electricity and magnetism; the metric system; and measurements used in scientific experimentation. The course is designed for those students enrolled in an academic curriculum.

153 Biology/Lab

Length of Time: Full Year
Number of Periods Per Week: 7
Number of Credits: 7.00

PREREQUISITE:

Students must have passed Fundamentals of Science-CP or 8th grade Advanced Integrated Science with a grade of "70" or higher.

This biology course is a laboratory oriented, academic course. It is designed for students who plan to attend either a four-year college, community college or a nursing school. The course is devoted to a systematic analysis of the cell, the chemical process and requirements within the cell, the structure of unicellular organisms, the cellular structure and functions of multicellular organisms and the relationships between organisms and their biotic and physical environment. To accompany this are included recent developments in the biological sciences and various careers relating to biology.

155 Chemistry/Lab

Length of Time: Full Year
Number of Periods Per Week: 7
Number of Credits: 7.00

PREREQUISITES:

1. Earned a grade of "70" or higher in Biology / Lab.
2. Earned a grade of "70" or higher in Algebra I.

This course is designed as a college preparatory course which is primarily theoretical in nature. The student will gain a foundation in the fundamental theories and concepts of inorganic chemistry. A variety of basic laboratory techniques will be included in this course where opportunities for experimentation and a variety of laboratory experiences are available. Some of the major topics covered are: atomic structure, chemical bonding, periodic law, chemical formulas and equations, mass and volume relations in reactions, equilibrium and oxidation-reduction.

156 Environmental Science

Length of Time: Full Year
Number of Periods Per Week: 5
Number of Credits: 5.00

PREREQUISITE:

Earned a grade of 70 or higher in BOTH course #150 Fundamentals of Science AND course #160 Life Science Biology or course #153 Biology/Lab or course #163 Biology Honors/Lab.

Environmental Science is designed to develop the idea of looking at the earth and its societies as an environment in order to be understood and conserved. Relationships of all living things to their environment is studied, including man's effect on these living things. Ecological problems are constantly investigated by data collection and experimentation. Whenever possible, solutions to these problems are suggested, debated and tested. Particular attention is given to New Jersey environmental problems, issues and developments.

157 Physics / Lab - College Preparatory

Length of Time: Full Year
Number of Periods Per Week: 7
Number of Credits: 7.00

PREREQUISITES:

1. **70 or better in Algebra II concurrently taking Pre-Calculus**
2. **70 or better in Chemistry/Lab (or) Chemistry/Lab Honors.**

This course is designed as a college preparatory course for the student who would like a background in Physics but who does not necessarily intend to pursue a major in science in college. The student will gain a foundation in the concepts of Physics and the application of these concepts in problem-solving. The course will include lecture, laboratory, quantitative problem-solving projects and some independent work. Topics covered include; motion, forces, work and energy, electrostatics, current electricity and basic circuits, magnetism, waves, light and optics.

162 Human Physiology and Anatomy / Lab

Length of Time:	Full Year
Number of Periods Per Week:	7
Number of Credits:	7.00

PREREQUISITE:

Students must pass Biology/Lab with a grade of "80" or higher in Biology/Lab (CP or Honors).

This course is designed to familiarize students with the functions of their own bodies and to prepare those who are interested for further specialized work in the field. It is an introductory course for students who wish more detailed explanations about the structure and functions of the body's systems. Some topics covered include: The body as a whole; bones and muscles; the nervous system; the digestive system; the respiratory system; the circulatory system; metabolism and excretion; the endocrine system; reproduction and heredity.

163 Biology / Lab - Honors

Length of Time:	Full Year
Number of Periods Per Week:	7
Number of Credits:	7.00

PREREQUISITES:

1. **Fundamentals of Science-CP with a "93" or higher.**
2. **8th grade Advanced Integrated Science with a "93" or higher.**

This biology course is a laboratory-oriented, academic course. This course is offered only to freshmen who are highly motivated and have displayed an aptitude for science. It is designed to encourage a greater degree of scientific inquiry in the student and to develop more intensive study of the subject. The course is devoted to a systematic analysis of the cell, the chemical processes and requirements within the cell, the structure of unicellular organisms, the cellular structure and functions of multi-cellular organisms and the relationships between organisms and their biotic and physical environment. To accompany this are included recent developments in the biological sciences and various careers relating to biology.

164 Chemistry / Lab - Honors

Length of Time:	Full Year
Number of Periods Per Week:	7
Number of Credits:	7.00

PREREQUISITES:

1. **Concurrently taking Algebra II.**
2. **85 or higher in Honors Biology & Honors Geometry or 93 or higher in Biology CP and Geometry**

Chemistry/Lab-Honors will consider principles and concepts in greater detail and more depth than Chemistry/Lab. Additional material covered will, to some extent, reflect interests and needs of the individual student. A variety of basic laboratory techniques will be included in this course where opportunities for experimentation and a variety of laboratory experiences are available.

170 Human Physiology and Anatomy - Honors

Length of time:	Full Year
Number of Periods Per Week:	7
Number of Credits:	7.00

PREREQUISITES:

1. **Completion of Honors Biology with a "85" or higher (or)**
2. **Completion of Biology/Lab with a "93" or higher.**

Recommend successful completion of chemistry.

This course is designed to familiarize students with the functions of their own bodies. The course explains in detail the structure and function of the body's systems. This course is offered to highly motivated students who have an aptitude for science. This course is designed

for students seeking biology, medicine or general science majors in college. Some topics include: cellular biology and the body as a whole; bones and muscles; the nervous system; the digestive system; the respiratory system; the circulatory system; metabolism and excretion; the endocrine system; reproduction; heredity; lymphatic system; and immunity.

174 Environmental Science - Advanced Placement

Length of Time:	Full Year
Number of Periods Per Week:	7
Number of Credits:	7.00

PREREQUISITES:

- 1. Completion of CP or Honors Biology with a grade of 85 or better.**
- 2. Completion of CP or Honors Chemistry with a grade of 85 or better.**
- 3. Due to the quantitative analysis required in the course, students must successfully complete at least one year of Algebra.**

This is the equivalent of a one semester College Level Course.

The AP Environmental Science course is designed to be the equivalent of a one-semester, introductory college course in environmental science, through which students engage with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world. The course requires that students identify and analyze natural and human-made environmental problems, evaluate the relative risks associated with these problems, and examine alternative solutions for resolving or preventing them. Environmental Science is interdisciplinary, embracing topics from geology, biology, environmental studies, environmental science, chemistry, and geography. Although there are no specific AP Environmental Science labs or field investigations required for the course, it is expected that students perform as many labs/field investigations as possible. Due to the overlap in subject material, concurrent enrollment in AP Human Geography is suggested.

175 Chemistry/Lab - Advanced Placement

Length of Time:	Full Year
Number of Periods Per Week:	7
Number of Credits:	7.00

PREREQUISITES:

- 1. Completion of Chemistry/Lab - Honors with a grade of "85" or higher and teacher recommendation (and)**
- 2. Successful completion of Algebra II with a grade of 85" or higher.**
- 3. Physics/Lab (can take concurrently)**
- 4. Students will be required to complete an introductory packet during the summer.**

70% of the students grade is based on major assessment/special projects. The remaining 30% will be typed formal laboratory reports and other assignments.

This is a two-semester College-Level Course

Advanced Placement Chemistry is a second-year Chemistry / Lab course intended for highly motivated students. Content covered in the course is equivalent to a full-year college-level chemistry course usually taken during the first college year. Areas covered include: structure of matter; states of matter; chemical reactions; descriptive chemistry and laboratory chemistry.

176 Biology / Lab - Advanced Placement

Length of Time:	Full Year
Number of Periods Per Week:	7
Number of Credits:	7.00

PREREQUISITES:

Advanced Placement Biology is open to any Junior or Senior that has:

- 1. Completed Honors Biology with an "85" or higher (or)**
- 2. Completed CP Biology/Lab with an "93" (or)**
- 3. Teacher recommendation from former Biology teacher.**

Students will benefit from taking Anatomy and Physiology concurrently.

An annotated course outline is available upon request.

This Is a College-Level Course

This course is designed to be the equivalent of a college-introductory biology course usually taken by biology majors during the first year.

Advanced Placement Biology will include the topics regularly covered in a college biology course for majors or in the syllabus from a high-quality college program in introductory biology. The textbooks used for Advanced Placement Biology will be those used by college biology majors and the kinds of labs done by Advanced Placement students will be the equivalent of those done by college students.

The two main goals of Advanced Placement Biology are to help students develop a conceptual framework for modern biology and to help students gain an appreciation of science as a process. The ongoing information explosion in biology makes these goals even more challenging. Primary emphasis in Advanced Placement Biology will be on developing an understanding of concepts rather than on memorizing terms and technical details. Essential to this conceptual understanding are the following: a grasp of science as a process rather than an accumulation of facts; personal experience in scientific inquiry; recognition of unifying themes that integrate the major topics of biology; and application of biological knowledge and critical thinking to environmental and social concerns.

The new AP Biology curriculum centers around four "Big Ideas":

1. The process of evolution drives the diversity and unity of life.
2. Biological systems utilize free energy and molecular building blocks to grow, to reproduce, and to maintain dynamic homeostasis.
3. Living systems store, retrieve, transmit, and respond to information essential to life processes.
4. Biological systems interact, and these systems and their interactions possess complex properties.

177 Physics 1/Lab - Advanced Placement

Length of Time:	Full Year
Number of Periods Per Week:	7
Number of Credits:	7.00

PREREQUISITES:

1. **"93" or better in Algebra II and Chemistry and or "85" or better in Algebra II H and Chemistry H.**
2. **Student should be concurrently enrolled in Pre-Calculus or Calculus.**

The AP Physics 1 course focuses on the big ideas typically included in the first semester of an algebra-based, introductory college-level physics sequence and provides students with enduring understandings to support future advanced course work in the sciences. Through inquiry-based learning, students will develop critical thinking and reasoning skills, as defined by the AP Science Practices. Students will cultivate their understanding of physics and science practices as they explore the following topics: kinematics, dynamics: Newton's laws, circular motion and universal law of gravitation, simple harmonic motion: simple pendulum and mass-spring systems, impulse, linear momentum, and conservation of linear momentum: collisions, work, energy, and conservation of energy, rotational motion: torque, rotational kinematics and energy, rotational dynamics, and conservation of angular momentum, electrostatics: electric charge and electric force, DC circuits: resistors only, mechanical waves and sound.

178 Physics "C"/Lab – Advanced Placement

Length of Time:	Full Time
Number of Periods Per Week:	7
Number of Credits:	7.00

PREREQUISITES:

1. **Successful completion of Physics/Lab-Honors with a grade of "85" or higher and teacher recommendation.**
2. **Successful completion of Pre-Calculus with a grade of "85" or higher.**
3. **Current enrollment in Calculus: Calculus AP preferred.**

This Is A College-Level Course

Advanced Placement Physics "C" is a second year Physics course designed for the science/engineering major. It is a calculus based first year college level course. The course involves two main topics: mechanics and electro-magnetism. Roughly one-half the year is spent on each of these two main topics. Calculus is used freely in formulating advanced principles and in solving problems. The major goals for this course are:

- Advanced knowledge of the discipline of physics including phenomenology, theories and techniques, and generalizing principles.
- Ability to obtain solutions to physical questions by use of physical intuition, creativity, and application of advanced mathematical techniques.
- Gaining an appreciation of the physical world and reasoned skepticism.
- Understanding connections of physics to other disciplines both in and out of the scientific fields.

the courtroom will be discussed in detail. Strong science background is essential, as well as parental permission required with regard to violent subject matter and details.

179 Introduction to Forensic Science

Length of Time	Full Year
Number of Periods Per Week:	5
Number of Credits:	5.00

PREREQUISITES:

Forensics is open to any senior that has achieved a grade of "70" or higher in Fundamentals of Science, Biology and Chemistry.

This advanced science course will provide the fundamental concepts of the application of science to criminal investigation and the role of science in the criminal justice system. Case histories will be discussed and students will learn how forensic science has impacted the "Crimes of the Century". Technologies, such as DNA profiling and crime scene investigation: including the collection/recovery of forensic evidence from physical crime scenes, victims and suspects, the processing of evidence in the crime lab, and preservation of evidence for presentation in

Social Studies

Course Number and Title	Recommended Grade Level	Length of Time	Number of Periods Per Week	Number of Credits
246 World History – CP B	9	Full Year	5	5.00
247 World History - CP A	9	Full Year	5	5.00
*248 World History – H	9	Full Year	5	5.00
250 United States History I – CP B	10	Full Year	5	5.00
251 United States History I – CP A	10	Full Year	5	5.00
*252 United States History I – H	10	Full Year	5	5.00
254 United States History II – CP B	11	Full Year	5	5.00
255 United States History II – CP A	11	Full Year	5	5.00
*256 United States History II – H	11	Full Year	5	5.00
258 Sociology	11 - 12	Semester	5	2.50
259 Psychology – CP	11 - 12	Semester	5	2.50
260 From Africa to Today: Exploring the African American Identity	11 - 12	Full Year	5	5.00
264 Death and Dying	11 - 12	Marking Period	5	1.25
265 Futurology	11 - 12	Marking Period	5	1.25
268 Criminology	11 - 12	Semester	5	2.50
270 United States Government and Politics - CP	11 - 12	Full Year	5	5.00
277 Women's History	11 - 12	Semester	5	2.50
279 Holocaust and Genocide	11 - 12	Full Year	5	5.00
#280 United States History I - AP	10	Full Year	5	5.00
#281 United States History II - AP	11	Full Year	5	5.00
#282 United States Government and Politics - AP	11 - 12	Full Year	5	5.00
#283 Psychology-AP	11 - 12	Full Year	5	5.00
284 World War II	11 – 12	Semester	5	2.50
285 American Civil War	11 – 12	Semester	5	2.50
286 Introduction to Law	9 – 12	Full Year	5	5.00
287 Civics	9 – 12	Full Year	5	5.00
288 Law Enforcement	10 – 12	Full Year	5	5.00
289 Constitutional Law	12	Full Year	5	5.00
#292 Human Geography - AP	11 - 12	Full Year	5	5.00
293 Introduction to the Teaching Profession	9 - 12	Full Year	5	5.00
294 History of American Education	10 - 12	Semester	5	2.50

*= Weighted Courses – 8 points

#= Weighted Courses – 15 points

Descriptions of Social Studies Courses

World History

246 World History - CP B

247 World History - CP A

248 World History - H

Length of Time:	Full Year
Number of Periods Per Week:	5
Number of Credits:	5.00

PREREQUISITE:

World History-Honors:

1. Final average of "A" in eighth-grade History.

This course is a required course for all ninth-grade students. The course will survey the development of the modern world from the first global age to the present day in both the Eastern and Western halves of the world. The emphasis will be on how cultural, geographical, political, and economic factors impacted the development of the modern world and its growing interdependency. The course will further examine the roles and responsibilities of nations in the modern global community.

The course is offered in three levels: College Prep B, College Prep A and Honors. Each level will require more reasoning, depth, research and reading on the part of the student and the pace will be faster.

United States History I

250 United States History I-CP B

251 United States History I-CP A

252 United States History I-H

Length of Time:	Full Year
Number of Periods Per Week:	5
Number of Credits:	5.00

PREREQUISITES:

United States History I-CP A:

World History-CP A with a minimum grade of "70" or World History-CP B with a minimum grade of "85" is strongly recommended.

United States History I-H:

World History-CP A with a minimum grade of "93" or World History I Honors with a minimum grade of "85".

This is a required course which is offered on four levels for all tenth-grade students. During this course, students will study the history of the United States from Pre-Columbian times up to 1900. Major turning points, people, laws, economic and social patterns, geographical concepts and social studies skills and attitudes in keeping with the New Jersey High School Core Curriculum Content Standards will be emphasized. Each level of the course requires increased reading and writing skills. While critical thinking skills are emphasized throughout all levels, students in each level are expected to show increased ability in this area.

280 United States History I-AP

Length of Time:	Full Year
Number of Periods Per Week:	5
Number of Credits:	5.00

PREREQUISITES:

1. World History-H and/or English Honors with a grade of "90" or above OR World History-CP A and/or English CP A with a grade of "95" or above.

This Is A College-Level Course

The Advanced Placement program in United States History is designed to provide students with the analytical skills and factual knowledge necessary to deal critically with the problems and materials in United States History. The program prepares students for intermediate and advanced college courses by making demands upon them equivalent to those made by a full-year introductory college courses. Students will be taught to assess historical materials - their relevance to a given interpretive problem, their reliability, and their importance to weigh the evidence and interpretations presented in historical scholarship. An Advanced Placement United States History course will teach the skills necessary to arrive at conclusions on the basis of an informed judgement and to present reasons and evidence clearly and persuasively in essay format.

United States History II

254 United States History II-CP B

255 United States History II-CP A

256 United States History II- H

Length of Time:	Full Year
Number of Periods Per Week:	5
Number of Credits:	5.00

PREREQUISITES:

United States History II-CP A:

U.S. History I-CP A with a minimum grade of "70" or U.S. History I-CP B with a minimum grade of "85" is strongly recommended.

United States History II-Honors:

U.S. History I-CP A with a minimum grade of 93 or U.S. History I - Honors with a minimum grade of "85".

This is a required course for all eleventh-grade students. It is offered on four levels. During this course students will study the history of the United States from 1900 to the present. Students are expected to build on the foundation of social studies skills and knowledge that they have acquired in World History and United States History I. The New Jersey State Core Curriculum Content Standards will provide the direction for the study of the major turning points, people, laws, economic and social patterns, geographical concepts, social studies skills and attitudes that are necessary for understanding this critical period of United States history. Special emphasis will be given to a study of government in this course. Each level of the course requires increased skills in reading, writing and critical thinking.

281 United States History II-AP

Length of Time:	Full Year
Number of Periods Per Week:	5
Number of Credits:	5.00

PREREQUISITE:

- 1. U.S. History I-AP with a grade of "80" or above OR U.S. History I Honors with a department committee recommendation and a grade of "93" or above.**

This Is A College-Level Course

The Advanced Placement program in United States History is designed to provide students with the analytical skills and factual knowledge necessary to deal critically with the problems and materials in United States History. The program prepares students for intermediate and advanced college courses by making demands upon them equivalent to those made by a full-year introductory college courses. Students should learn to assess historical materials--their relevance to a given interpretive problem, their reliability, and their importance to weigh the evidence and interpretations presented in historical scholarship. An Advanced Placement United States History course should thus develop the skills necessary to arrive at conclusions on the basis of an informed judgement and to present reasons and evidence clearly and persuasively in essay format.

258 Sociology

Length of Time:	Semester
Number of Periods Per Week:	5
Number of Credits:	2.50

This course will focus on social groups and their affect on the individual. Areas covered will include: culture (including cultural diversity and ethnic sensitivity), social structure, social stratification (in terms of class, race, gender and age) and social problems. Students will be required to conduct and participate in social research while developing their own solutions for social change. Upon completion of this course, students will recognize the need for social cooperation and become active contributors to society.

259 Psychology - CP

Length of Time:	Semester
Number of Periods Per Week:	5
Number of Credits:	2.50

This course is a study of how and why human beings behave the way they do. It is designed to help you prepare for a college-level general psychology course. It will also help every student learn to understand why he/she behaves the way they do and why others behave as they do. Topics include: learning theory and memory, personality, emotions & stress, intelligence, physiology as it relates to human behavior, states of consciousness, psychological disorders and therapy.

260 From African to Today: Exploring the African American Identity

Length of Time: Full Year
Number of Periods Per Week: 5
Number of Credits: 5.00

This course will involve an in-depth study of African American history. An exploration of the changing identity of African Americans throughout United States history will be emphasized. Among the topics covered will be the continent of Africa, slavery and abolitionism, issues of 2nd class status and segregation, and the long process of attaining equal rights within American society.

Special emphasis will be placed on the contributions of African Americans throughout U.S. history, the struggle for equality, and the future of the African American community.

Political, economic, and social factors will be examined and discussed as they pertain to each time period. Teaching tools will include debates, class discussions, real-world learning activities, research, technology skills, and critical thinking activities designed to prepare students to succeed in the 21st century. Upon completion of this course, students will be able to analyze how African Americans have shaped United States history and how the African American identity continues to evolve.

264 Death and Dying

Length of Time: Marking Period
Number of Periods Per Week: 5
Number of Credits: 1.25

Facing the issue of death is a part of every human life. Issues such as aging, grief, suicide, funeral options, wills, euthanasia and losses related to these experiences in our lives will be examined. Wherever possible, we will bring professionals in these fields into the classroom to discuss and present their expertise to the class.

265 Futurology

Length of Time: Marking Period
Number of Periods Per Week: 5
Number of Credits: 1.25
What will life be like in the future for our world?
Will life be better than today or worse?

Questions like these will be the basis for this course.

268 Criminology

Length of Time: Semester
Number of Periods Per Week: 5
Number of Credits: 2.50

Criminology will give students an opportunity to make an in-depth study of one of our society's more serious social problems. Students will study the various theories of why crime exists in our society and investigate the numerous solutions that have been offered to relieve the problem. Crime will also be viewed from a historical perspective to give the student an understanding of what has been our society's approach, as well as other societies, to this enduring social problem. A thorough examination of the Bill of Rights as it pertains to our criminal justice system is an integral part of this course. Criminal behavior will be assessed with the hope of understanding why individuals do what they do. This course will also make students aware of the process of criminal justice, including the juvenile justice system, and of their rights and responsibilities in the system.

270 United States Government and Politics – CP

Length of Time: Full Year
Number of Periods Per Week: 5
Number of Credits: 5.00

This course would be offered in the junior and senior years as an elective course for the college-bound student who is interested in a study of government but not necessarily on the advanced placement level. It would, however, require adherence to strict academic reading and writing. The purpose would be to allow an in-depth study of current events as well as our system of government. It would feature strong reliance on the internet for both instruction and research.

277 Women's History

Length of Time: Semester
Number of Periods Per Week: 5
Number of Credits: 2.50

This course will focus on the role of women in American history and culture. Areas covered will include: Western traditions, myths, stereotypes, sex roles, shifting political position, changing cultural values and contributions to the country.

279 Holocaust and Genocide

Length of Time:	Full Year
Number of Periods Per Week:	5
Number of Credits:	5.00

This course will focus on the history of genocide throughout world history. Areas covered will include: Native Americans, Irish Famine, Armenian persecution, Cambodian killing fields, the Jewish Holocaust, Stalin's Russia, and modern day Yugoslavia's ethnic cleansing.

282 United States Government and Politics - AP

Length of Time:	Full Year
Number of Periods Per Week:	5
Number of Credits:	5.00

PREREQUISITES:

- "80" or higher in U.S. History AP or "85" or higher in U.S. History H or "93" or higher in US History CP A.**

This Is A College-Level Course

This course will offer students the opportunity to study government and politics in preparation for taking the College Board Exam for advanced placement in American government and politics. The course content will include the study of the constitutional underpinnings of our government, the institutions of our government, the development and implementation of public policy, the elective process and the nature of American democracy. Emphasis will be placed on the development of a critical perspective on American government and politics.

283 Psychology-AP

Length of Time:	Full Year
Number of Periods Per Week:	5
Number of Credits:	5.00

PREREQUISITES:

- Psychology CP with a grade of "93" or higher and earn a grade of "93" or**

higher in US History I CP A or US History II CP A.

- "80" or higher in U.S. History I or II AP or "85" or higher in U.S. History I or II H. Students who have taken Honors or AP level US History courses, may take Psychology CP prior to this course, but it is not required.**

This is a College-Level Course

This course will offer students the opportunity to study Psychology in preparation for taking the College Board Exam for Advanced Placement in College Psychology. Highly motivated students should come to the class prepared for an in-depth study of college-level General Psychology. The course will require reading professional psychology journals and writing papers equivalent to college-level study. The course is highly recommended for students planning to major in Psychology.

284 World War II

Length of Time:	Semester
Number of Periods Per Week	5
Number of Credits	2.50

This course will involve a comprehensive study of World War II, an event that has had a profound and everlasting effect on both the United States and the world, even to the present day. Among the topics to be explored will be the growth of totalitarian dictatorships in Europe and Asia, the immediate causes of the war, European and Asian aggression, the American entry into the war (Pearl Harbor), the war on the western and eastern fronts, life on the American home front, American participation in the war from a minority point of view, the Holocaust, Hiroshima and Nagasaki and the aftermath of the war. Emphasis will be placed on relating the war to current events, for example, the effect of the war on our present day social, political and economic policies.

A variety of teaching tools and evaluative practices will be utilized during the course of the semester, including text materials, outside research, cooperative groups, guest speakers and multi-media (videos, the Internet, etc.) where appropriate. Included in the course will be critical thinking activities such as movie evaluation (comparing and contrasting media information with "real history") and the analysis of political cartoons from the time period.

285 The American Civil War

Length of Time:	Semester
Number of Periods Per Week:	5
Number of Credits:	2.50

This course will be an in depth study of the American Civil War, a defining period in United States history and the preeminent event of the 19th century. Topics to be considered will be the causes of the war, including sectionalism and slavery in antebellum America. The war will be analyzed from political, economic, and social viewpoints, as well as from the strategic and tactical military doctrines of the period. The war's impact on Modern America will be highlighted.

Teaching tools will include, but not limited to, supplemental text materials, primary source letters, internet resources and period re-enactors. Critical thinking, independent research and "hands-on" history will be practiced regularly. Upon completion of this course, students will gain an understanding of the Civil War as an event which both divided and united America, creating the nation we know today.

286 Introduction to Law

Length of Time:	Full Year
Number of Periods Per Week:	5
Number of Credits:	5.00

Introduction to Law & Law Related Careers is one of the first courses that mark the beginning of the Law and Justice Academy course of study. This course will be a survey of the history of western law and its influence on the civil and criminal aspects of the American legal system. A starting point for the course will be a cursory review of Ancient law codes including but not limited to Hebraic, Hammurabi, Roman, and Teutonic systems of justice. A more in-depth look at English Common Law, the Magna Charta, and the English Bill of Rights will follow. From there, the major emphasis will be on the three main sources of law in America: The Constitution, the Congressional Statutes, and the Supreme Court Decisions. Also included will be a comparison of differences and similarities between civil and criminal law. Students will also be presented with a myriad of different areas and fields in which they may pursue a career in the law and justice related professions.

Emphasis will be given to the law enforcement aspect of careers, but other career paths will be studied, such as: attorney, probation officer, corrections personnel, federal law agencies, private security companies, and courtroom personnel. Research via multiple sources of the different career avenues will be a major feature of this part of the course-including guest speakers who are actually practicing members of these professions.

287 Civics

Length of Time:	Full Year
Number of Periods Per Week:	5
Number of Credits:	5.00

Understanding the various functions of our government at the local, state, and national level are the fundamental purposes of this course. Also included will be the responsibilities and rights of citizens in a democracy. Issues and problems that challenge our government system will also be examined. Students considering a course in any field related to government such as police, law, civil service, military, court reporting, foreign service, etc. will find this course beneficial for understanding the role government plays in our daily lives.

288 Law Enforcement

Length of Time:	Full Year
Number of Periods Per Week:	5
Number of Credits:	5.00

The Law Enforcement course is offered during the sophomore year and is the second installment of the Law and Justice Academy. The course begins with an in-depth look at the historical development of the police, going back to the English roots and the early American experience. Major emphasis is placed on the policing techniques in the early part of the 20th century, including Prohibition and police corruption. Students will study topics such as federal, state, and local law agencies, private protective services, police management and contemporary policing, the abuse of police power, and legal issues pertaining to the U. S. Constitution. Guest speakers, contemporary TV and video police shows and movies, and role playing scenarios will supplement the written course of study.

289 Constitutional Law

Length of Time: Full Year
Number of Periods Per Week: 5
Number of Credits: 5.00

The topic of constitutional law deals with the interpretation and implementation of the United States Constitution. As the Constitution is the foundation of the United States, Constitutional Law deals with some of the fundamental relationships within our society. This includes relationships among the states, the states and the federal government, the three branches (The Executive, Legislature, and Judiciary) of the federal government, and the rights of the individual in relation of both federal and state government. The Supreme Court has played a crucial role in interpreting the Constitution. Consequently, the study of Constitutional Law focuses heavily on Supreme Court rulings. Emphasis will be placed on aspects of the Constitution that deal with law enforcement issues.

This topic will also cover the interpretation and implementation of New Jersey's state constitution.

292 Human Geography-AP

Length of Time: Full Year
Number of Periods Per Week: 5
Number of Credits: 5.00

PREREQUISITES:

- 1. "80" or higher in U.S. History AP**
- 2. "85" or higher in World History H or U.S. History H**
- 3. "93" or higher in World History CP A or US History CP A.**

The purpose of the AP Human Geography course is to introduce students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of the Earth's surface. Students will learn to employ spatial concepts and landscape analysis to examine human socioeconomic organization and its environmental consequences. They will also learn about the methods and tools geographers use in their research applications. This course will be taught at the same level and pace as an introductory college level course. Students should seriously consider taking AP Environmental Science at the

same time as the courses do complement one another.

293 Introduction to the Teaching Profession

Length of Time: Full Year
Number of Periods Per Week: 5
Number of Credits: 5.00

This course will reveal students to a varied definition, and experiences, of an ancient and universal relationship - that of teacher and learner. After a brief, but broad, history of teaching, students will explore the dynamics, intricacies and challenges of what it takes to impart meaningful and lasting knowledge. This class will give students exposure to current teaching theory, philosophy, and psychology. This course is mandatory for students in the WHS Teacher Academy and advisable as an elective for any student who feels they may find themselves in a teaching capacity someday.

294 History of American Education

Length of Time: Semester
Number of Periods Per Week: 5
Number of Credits: 2.50

This course is designed to trace the development of the American educational system. Upon completion of this course, students will be able to describe the origins of the American educational system from its roots in the 16th, 17th, and 18th centuries. Characteristics of American education will also be examined, including systems of educational philosophy and theories. The impact of change agents on American schooling will also be discussed. The development and structure of American schools will be traced and analyzed, including the role played by curriculum and assessment. Finally, issues related to educational challenges in a pluralistic and multicultural society will be analyzed to evaluate the impact of society and government in American education. This course is mandatory for students in the WHS Teacher Academy and advisable as an elective for any student who feels they may find themselves in a teaching capacity someday.

Visual and Performing Arts

Course Number and Title	Recommended Grade Level	Length of Time	Number of Periods Per Week	Number of Credits
133 An Introduction to Art - 3 day	9 - 12	Full Year	3	3.00
104 Studio Art I	9	Full Year	5	5.00
105 Studio Art II	10 - 12	Full Year	5	5.00
#127 Studio Art III - AP	11 - 12	Full Year	5	5.00
#128 Studio Art IV - AP	12	Full Year	5	5.00
121 Ceramics & Acrylic Painting	9 - 12	Full Year	5	5.00
132 Ceramics & Acrylic Painting - 3 day	9 - 12	Full Year	3	3.00
124 Drawing	9 - 12	Full Year	5	5.00
125 Illustration	10 - 12	Full Year	5	5.00
130 Graphic Design I	9 - 12	Full Year	5	5.00
131 Graphic Design II	10 - 12	Full Year	5	5.00
134 Graphic Design III	11 - 12	Full Year	5	5.00
136 Photography	9 - 12	Full Year	5	5.00
801 Concert Band I/Instrumental Lessons	9 - 12	Full Year	6	6.00
802 Concert Band I/Instrumental Lessons	9 - 12	Full Year	4	4.00
792 Wind Ensemble/Instrumental Lessons	10 - 12	Full Year	6	6.00
793 Wind Ensemble/Instrumental Lessons	10 - 12	Full Year	4	4.00
*7921 Wind Ensemble - H	10 - 12	Full Year	6	6.00
803 Concert Choir	9 - 12	Full Year	5	5.00
804 Concert Choir - 3 day	9 - 12	Full Year	3	3.00
805 Select Singers	10 - 12	Full Year	5	5.00
807 Music Theory and Basic Composition I	9 - 12	Full Year	5	5.00
#799 Music Theory and Composition - AP	10 - 12	Full Year	5	5.00
798 Jazz Band	10 - 12	Full Year	3	3.00
794 Jazz Band	10 - 12	Full Year	5	5.00
795 Piano Lab	10 - 12	Full Year	5	5.00
811 Dance I	9 - 12	Full Year	5	5.00
812 Dance II	10 - 12	Full Year	5	5.00
813 Dance III	11 - 12	Full Year	5	5.00
814 Dance IV	12	Full Year	5	5.00
815 Music Technology	10 - 12	Full Year	5	5.00
816 Acting I	9 - 12	Full Year	5	5.00
8181 Acting I - 3 day	9 - 12	Full Year	3	3.00
817 Acting II	10 - 12	Full Year	5	5.00
818 Acting III	11 - 12	Full Year	5	5.00
819 Musical Theatre Workshop	9 - 12	Full Year	5	5.00

*=Weighted Courses – 8 points

#=Weighted Courses - 15 points

Descriptions of Visual and Performing Arts Courses

133 An Introduction to Art

3 Day

Length of Time: Full Year
Number of Periods Per Week: 3
Number of Credits: 3.00

This is a course which is designed to explore different techniques, media, and cultural influences of art that develop higher thinking and verbal skills. The emphasis is on hands on projects and experiences with colored pencil, black and white design, acrylic painting, basic drawing skills and creative interpretations of art throughout history.

104 Studio Art I

Length of Time: Full Year
Number of Periods Per Week: 5
Number of Credits: 5.00

Studio Art I is designed for the student who is motivated to develop his / her artistic skills. Emphasis will be placed on two-and three-dimensional projects in a studio setting. The students will be encouraged to develop their self-expression while exploring a variety of media. Aspects of cultural and historical elements will be investigated. This course will focus on strengthening the student's perceptual concepts, visual imagery and independence.

105 Studio Art II

Length of Time: Full Year
Number of Periods Per Week: 5
Number of Credits: 5.00

PREREQUISITE: **Studio Art I**

Studio Art II is designed for the student who would like to develop his/her skills to a higher level in the visual arts. This course continues to develop the skills explored in Studio Art I with an emphasis on visual concept building. Emphasis is placed on advanced skill development in the areas of two and three-dimensional techniques and visual interpretation. Students will continue to develop skills through the exploration of

various media. The study of cultural varieties will continue throughout project introduction, guest speakers and field trips. Students will be encouraged to explore, experiment, develop and enjoy their artistic skills in a studio atmosphere.

127 Studio Art III - AP

Length of Time: Full Year
Number of Periods Per Week: 5
Number of Credits: 5.00

PREREQUISITES:

- 1. Written recommendation by the student's most recent art teacher.**
- 2. Completion of Studio Art I and II with a grade of "90" or higher.**
- 3. Samples of most recent works of art:**
 - a. self portrait**
 - b. sketchbook**
 - c. journal writing**
 - d. 2 best works - all media accepted**

The Advanced Placement Studio Art Program gives high school students exposure to college-level experiences in art. Due to the rigorous standards that must be met, the AP course is offered in a two year sequence. It is designed for seriously interested art students whose work will be submitted in portfolio form for evaluation at the end of the school year. Emphasis is placed on drawing, painting, multi-media and the development of creative conceptual decision-making. Students will need to work outside the classroom, as well as in it. A rigorous schedule of technical and conceptual assignments are required. Weekly homework, journal writing, sketchbook, and critique are ongoing forms of assessment.

128 Studio Art IV - AP

Length of Time: Full Year
Number of Periods Per Week: 5
Number of Credits: 5.00

PREREQUISITE:

Studio Art III AP with a passing grade of "90" or higher.

The second year of Advanced Placement Studio Art requires students who have completed Studio Art III AP to continue their studies according to

the mandated requirements of an introductory college level art course. The portfolio of finished works will span all media, including 3-dimensional, graphic and computer-aided works. In this year, the student must develop a concentration, or series of art work organized around a compelling visual concept. The quality of work submitted must demonstrate creative understanding of the formal elements, as well as media skill, and a serious investigation of ideas which relate to art-making, history, aesthetics and critique. The works submitted for portfolio will include last year as well as the present years' work. Students are expected to work outside of class time, as well as research their subject matter, after school, at home, in a museum, or local art show.

121 Ceramics & Acrylic Painting

Length of Time:	Full Year
Number of Periods Per Week:	5
Number of Credits:	5.00

This hands-on project course emphasizes the development of the skills and techniques required in the creation of ceramics and acrylic painting. The art of wheel throwing will be introduced when applicable. The first part of the course will be centered on the creation of student designed ceramic projects using a variety of ceramic materials and hand building ceramic skills and techniques. Upon the completion of all hand built ceramic pieces, the class emphasis will then turn towards acrylic painting and the painting of the ceramic pieces. Acrylic skills and techniques of color structure, color theory and brush/paint techniques will be explored. The course is structured in a different manner than the 3-day a week class since it meets 5 days a week. The class is open to students who have not had ceramics and those students who have taken the 3-day a week class and have passed with a C or better and desire to further their studies of ceramics and acrylic painting.

132 Ceramics & Acrylic Painting- 3 Day

Length of Time:	Full Year
Number of Periods Per Week:	3
Number of Credits:	3.00

Ceramics & Acrylic Painting is a course in which the student will be encouraged to use creativity and self-expression. This hands-on project class is designed to create and explore new ideas in the art of ceramics and acrylic painting. The course engages the student in the relief and 3-D skills of ceramics and the aspects of acrylic painting. The first part of this course will place an emphasis on the creation of student designed projects using a variety of ceramic materials and hand building ceramic skills and techniques. Upon the completion of all hand built ceramic pieces, the class emphasis will then turn towards acrylic painting and the painting of the ceramic pieces. Acrylic skills and techniques of color structure, color theory and brush/paint techniques will be explored. This class is open to students who have not taken ceramics before or to those students who have taken the 5-day a week class and have passed it with a C or better and desire to further their studies of ceramics and acrylic painting.

124 Drawing

Length of Time:	Full Year
Number of Periods Per Week:	5
Number of Credits:	5.00

This course introduces the student to basic drawing skills and techniques. Emphasis is on composition and rendering using a variety of drawing media including, pencil, pen, pastel, conte crayon, and marker.

125 Illustration

Length of Time:	Full Year
Number of Periods Per Week:	5
Number of Credits:	5.00

PREREQUISITE:

Must have a grade of "85" or better in Studio Art I, Graphic Design I, Drawing, and/or Introduction to Art.

The Illustration course serves as a bridge between the studio arts and graphic design. Students will learn about art as a profession. Between client interviews and artist deadlines, students will learn about art industries such as fashion, advertising, comic book illustration, art for record covers, and calligraphic writing. Students will also gain real world experience creating art to suit the needs of the school community through commissions.

130 Graphic Design I

Length of Time: Full Year
Number of Periods Per Week: 5
Number of Credits: 5.00

Grounded in both theory and foundation, this first year course will provide students with the knowledge and skills to serve as a springboard and propel students towards a career as a Graphic Artist.

An emphasis will be placed on color, form, typography and visual communication as a whole. In turn, the students will have hands-on experience with the latest technology, both software and hardware. Software includes, but is not limited to Adobe Photoshop, Illustrator, and Director. These are the industry standard.

131 Graphic Design II

Length of Time: Full Year
Number of Periods Per Week: 5
Number of Credits: 5.00

PREREQUISITE:

Successful completion of Graphic Design I with a "80" average or better and teachers' recommendation.

A continuation of Graphic Design with advanced exercises and projects demonstrating a thorough working knowledge of graphic design elements and principles. Emphasis will be upon learning the business of graphic design and the role of the graphic designer as a member of a creative team. In this course, students will learn how to use InDesign extensively for simple and complex layouts. The students will also be able to combine their knowledge of Adobe Illustrator, Adobe Photoshop during the designing and creative process. Students will create publications, ad campaigns, fliers, posters, business cards, accordion book project and finally an original magazine design. Design will be examined as applied to professional advertising, publication, and graphic communication with emphasis on project production. Macro media director would be used as well to prepare students for Flash in Graphic Design III.

134 Graphic Design III

Length of Time: Full Year

Number of Periods Per Week: 5
Number of Credits: 5.00

PREREQUISITE:

Graphic Design I & II and Digital Portfolio of 12 samples of students design work prior to signing for the course for approval.

Graphic Design III will emphasize individual project research and design processes that foster problem solving, critical thinking, creative conceptualization that leads to a final design solution for complex layouts. The students will be responsible to tackle difficult projects and aim at strong professionalism in execution with the different graphic design programs like Flash, Adobe Illustrator, Adobe Photoshop and InDesign. They will also revise some of their designs that can be included in their final portfolio.

Flash is a vector developmental program that allows students to develop powerful and interactive graphics and web based content. Flash will be used to develop contents of various levels, from basic animated drawings to web based ads, motion graphics and 2D imagery. "Real-world based design projects" will be assigned throughout the course. As a natural progression from first year to second, a strong emphasis will be placed on the strategy behind design, the intermingling of word and image, the passage of information through graphic form and the creation of corporate identity.

At the end of the course, the students will be required to present an 11" x 17" portfolio of their work in order to meet the criteria of passing the course. Not less than 20 designs for the review process. Such a portfolio will be presented to colleges when applying.

136 Photography

Length of Time: Full Year
Number of Periods Per Week: 5
Number of Credits: 5.00

This course will focus on fundamentals of digital photography. Four areas of instruction will be emphasized: How cameras work, understanding composition, effects of lighting, the use of photo editing software. Students will, generally, receive basic instruction, demonstration, and see samples of the desired outcomes, at the beginning of each assignment. Application of

photography skills may occur in a variety of settings: outdoors, school events, etc. Perhaps the most useful part of classroom instruction will be daily critique of student photos.

801 Concert Band I /Instrumental Lessons

Length of Time:	Full Year
Number of Periods Per Week:	6
Number of Credits:	6.00

802 Concert Band I /Instrumental Lessons

Length of time:	Full Year
Number of Periods Per Week:	4
Number of Credits:	4.00

802 is limited to those students who have a lab science.

The course is geared towards the developing music student to participate in a performing ensemble. The ability to perform on an instrument is required for membership. Instruments include piccolo, flute, oboe, clarinet, bass clarinet, bassoon, saxophone, trumpet, French horn, trombone, baritone, tuba, and percussion. Every student will receive a group lesson once a week in addition to the daily ensemble rehearsal. Students will be required to attend rehearsals and performances that may include the evenings and/or weekends. Students will be assessed by attendance of rehearsals/performances, class participation, written and performance based benchmarks, and individual music development. Membership in the WHS Marching Band is highly recommended.

792 Wind Ensemble/Instrumental Lessons

Length of Time:	Full Year
Number of Periods Per Week:	6
Number of Credits:	6.00

793 Wind Ensemble/Instrumental Lessons

Length of time:	Full Year
Number of Periods Per Week:	4
Number of Credits:	4.00

PREREQUISITE:

Previous musical experience on a band instrument. All students will be placed according to audition. Returning students must have successfully completed their previous band class with a minimum average grade of 85.

The WHS Wind Ensemble is designed for the musically accelerated student to participate in a premier performing ensemble. Students are placed by audition only, based on musical ability and instrumentation needs. Instruments include piccolo, flute, oboe, clarinet, bass clarinet, bassoon, saxophone, trumpet, French horn, trombone, baritone, tuba, and percussion. Every student will receive a group lesson once a week in addition to the daily ensemble rehearsal. Students will be required to attend rehearsals and performances that may include the evenings and/or weekends. Students will be assessed by attendance of rehearsals/performances, class participation, written and performance based benchmarks.

7921 Wind Ensemble - Honors

Length of Time:	Full Year
Number of Periods Per Week:	6
Number of Credits:	6.00

794 Jazz Band - 5 Day

Length of Time:	Full Year
Number of Periods Per Week:	5
Number of Credits:	5.00

798 Jazz Band - 3 Day

Length of Time:	Full Year
Number of Periods Per Week:	3
Number of Credits:	3.00

Jazz Band focuses on jazz styles and improvisation. Students are afforded the opportunity to study and perform various jazz styles, as well as learn to improvise solos. Individual and group performance in and out of class will be required and evaluated. Students must meet minimum instrumental standards as determined by instructor for public performance.

795 Piano Lab

Length of Time:	Full Year
Number of Periods Per Week:	5
Number of Credits:	5.00

This hands-on course is designed for students with little or no keyboard experience who are interested in learning how to play the piano. The basics of music reading will be covered, as well as lessons in proper keyboard technique, music history, and style. Students will learn to play scales, chords, and songs from a variety of musical genres. Activities will include daily practice and performance.

803 Concert Choir

Length of Time:	Full Year
Number of Periods Per Week:	5
Number of Credits:	5.00

804 Concert Choir - 3 Day

Length of Time:	Full Year
Number of Periods Per Week:	3
Number of Credits:	3.00

804 is limited to those students who have a lab science.

Concert Choir is a Performing Arts course open to any student who is interested in music and singing. No previous musical training is necessary. A wide variety of songs and musical styles are covered throughout this full-year course. Past concert repertoire includes diverse selections such as Handel's *Hallelujah Chorus*, a medley from *The Phantom of the Opera*, and Green Day's *21 Guns*. Two evening concerts are performed throughout the school year. Concert Choir is a fun and rewarding way to fulfill your Visual and Performing Arts requirement and be part of a team.

805 Select Singers (Audition Only)

Length of Time:	Full Year
Number of Periods Per Week:	5
Number of Credits:	5.00

PREREQUISITE:

Successful completion of General Choir with a "77" average or higher is required in order to elect this course.

The WHS Select Singers are an auditioned small ensemble of dedicated and talented singers who are interested in learning more challenging vocal music. Students are chosen to be in this ensemble by audition only. One year of Concert Choir is recommended before auditioning for this course. A wide variety of

songs and musical styles are covered throughout the full-year course.

Several evening concerts are performed throughout the school year. Select Singers often perform at various school events and throughout the community.

807 Music Theory and Basic Composition I

Length of Time:	Full Year
Number of Periods Per Week:	5
Number of Credits:	5.00

The ability to read music is a prerequisite since an in-depth study of the structural aspects of music is pursued. This includes composition, harmony, orchestration and keyboard.

799 Music Theory and Composition - AP

Length of time:	Full Year
Number of Periods Per Week:	5
Number of Credits:	5.00

PREREQUISITE:

Music Theory and Basic Composition I

This course is intended for the student considering a career in music; or wants to develop their musical skills to the highest level. The skills which are to be developed are in the areas of: harmony, composition, ear training, historical relevance, style and form. The students will develop skills which will enable them to write and evaluate their compositions. Students will develop listening skills which will enable them to recognize various compositions, its composer, and musical period.

Students who have been appropriately placed, attend class regularly and complete assignments should be able to meet the criteria of the Advanced Placement Test with at least seventy percent mastery.

811 Dance I

Length of Time:	Full Year
Number of Periods Per Week:	5
Number of Credits:	5.00

Dance I is designed to develop a dancers skill in dance techniques and styles. Dancers will be expected to perform basic dance techniques in ballet, jazz & modern, while developing strength,

flexibility and coordination. Dancers will be expected to perform basic terminology commonly used in dance and learn about dance historians that help shape dance, as we know it today. This class is designed to ultimately enrich the students' education on a higher level. Creating awareness for performance art and developing their own artistic voice through skills learned and performed throughout the year. Evaluation will be done through performance in and out of school, critiques, test/quizzes and written assignments.

The course is based on the New Jersey Core Curriculum Standards for the Visual and Performing Arts. Each unit is grouped by a focus topic and each topic is reinforced by applicable objectives.

If a student has had previous dance experience and/or is currently studying dance at a private school, she/he can request a higher skill level class by requesting an audition with the teacher.

Requirements: Standard black bodysuit, pink and/or black tights, jazz fitted dance pants, jazz shoes/sneakers, ballet shoes as required by class dress code.

812 Dance II

Length of Time:	Full Year
Number of Periods Per Week:	5
Number of Credits:	5.00

PREREQUISITE:
77 or better in Dance I and teacher recommendation.

Dance II is designed to continue the development from Dance I advancing the dancers' skill in dance techniques and styles. Dancers will be expected to perform intermediate dance techniques, evaluate their performance, and develop skills in choreography. The class will be designed to enrich the student's skills and abilities to perform on a higher level. Creating awareness for performance art and developing their own artistic voice through skills learned and performed throughout the year. Evaluation will be done through performance in and out of school, critiques, and written assignments.

The course is based on the New Jersey Core Curriculum Standards for the Visual and Performing Arts. Each unit is grouped by a focus topic and each topic is reinforced by applicable objectives.

Requirements: Standard black bodysuit, pink and/or black tights, jazz fitted dance pants, jazz shoes/sneakers, ballet shoes as required by class dress code.

813 Dance III

Length of Time:	Full Year
Number of Periods Per Week:	5
Number of Credits:	5.00

PREREQUISITE: **77 or higher in Dance II and teacher recommendation.**

Dance III is designed to further develop a dancer's skill on an intermediate/advanced level of dance techniques and styles. Dancers will be expected to perform Intermediate/Advanced dance techniques in ballet, jazz & modern while developing their own artistic voices and skills in choreography. Dancers will also learn more terminology used in dance as well as, the history of dance from different eras throughout the years that help shape dance, as we know it today. This class is also designed to ultimately enrich the students' education on a higher level to prepare them for higher education or the professional arena. Evaluation will be done through performance in and out of school, critiques, test/quizzes and written assignments. The course is based on the New Jersey Core Curriculum Standards for the Visual and Performing Arts. Each unit is grouped by a Focus Topic and each topic is reinforced by applicable objectives.

Requirements: Standard black bodysuit, pink and/or black tights, jazz fitted dance pants, jazz shoes/sneakers, ballet shoes as required by class dress code.

814 Dance IV

Length of Time:	Full Year
Number of Periods Per Week:	5
Number of Credits:	2.50

PREREQUISITE: **77 or higher in Dance III and teacher recommendation.**

Dance IV is designed for those really interested in studying dance to further develop their skills

on an advanced level of dance techniques and styles. Dancers will be expected to perform these advance techniques in ballet, jazz & modern while developing their own artistic voices and skills in choreography and costuming. Dancers will also add to the dance terminology syllabus used in Dance III that is used globally today in all forms of dance. Students will also get an overall view of specific social dances created throughout the years that help shape dance, as we know it. This class is ultimately designed to enrich the students' education on a higher level to prepare them for higher education or in the professional arena. Evaluation will be done through mandatory rehearsals & performances in an out of school, video critiques, test/quizzes and written assignments.

The course is based on the New Jersey Core Curriculum Standards for the Visual and Performing Arts. Each unit is grouped by a focus topic and each topic is reinforced by applicable objectives.

Requirements: Standard black bodysuit, pink and/or black tights, jazz fitted dance pants, jazz shoes/sneakers, Ballet shoes as required by class dress code.

815 Music Technology

Length of Time:	Full Year
Number of Periods Per Week:	5
Number of Credits:	5.00

PREREQUISITE: Proficient at reading music and teacher recommendation

This class is designed for the student who wishes to learn basic computer composition and performance. Students will experience the power of technology through the use of midi-equipped computers. Students will input music through different devices into the computer for composition or performance. Students will be exposed to the latest computer programs in the field of music. Students must have basic computer skills and demonstrate knowledge of music as determined by instructor.

816 Acting I

Length of Time:	Full Time
Number of Periods Per Week:	5
Number of Credits:	5.00

Acting I is an elective class offered by the Visual and Performing Arts Department and offered to those students interested in learning more about acting. Students will learn the basics of the stage and performance, the art of pantomime, improvisation, and more. This class will challenge you to take a hands on approach by participating in daily warm ups and activities, instructional games and performance opportunities. Participation not only includes performing, but observing, experimenting, and critiquing yourself and others. Our goal of this class is that through these activities, you will gain confidence through means of public speaking, expressing yourself creatively and thinking outside the box.

8181 Acting I - 3 Day

Length of Time:	Full Year
Number of Periods Per Week:	3
Number of Credits:	3.00

817 Acting II

Length of Time:	Full Year
Number of Periods Per Week:	5
Number of Credits:	5.00

PREREQUISITE: 77 or higher in Acting I and teacher recommendation.

Acting II is an elective class offered by the Visual and Performing Arts Department and offered to those students who have successfully completed Acting I and wish to continue study. This class will take the basics of acting learned in Acting I and take them a step farther. Acting II will provide similar activities, instructional games and performance opportunities, however the expectations and standards are higher. Students will participate in a Children's Theatre project culminating in a performance with the local elementary schools.

818 Acting III

Length of Time:	Full Year
Number of Periods Per Week:	5
Number of Credits:	5.00

PREREQUISITE: 77 or higher in Acting II and teacher recommendation.

Acting III is an elective class offered by the Visual and Performing Arts Department and offered to those students who have successfully completed the required audition. Acting III is designed for the serious actor, who plans on

continuing study outside of high school. This class will learn more advanced techniques in Acting while continuing study through performance of scenes, monologues, and improvisation. There will be additional performance opportunities including Achievement Night and special projects. Overall, expectations and standards are higher, and only committed students will be admitted into the class.

819 Musical Theatre Workshop

Length of Time:	Full Year
Number of Periods Per Week:	5
Number of Credits:	5.00

PREREQUISITE:

Teacher Recommendation/Audition

Do you enjoy acting or dancing, but are not confident in your vocal abilities? Have you dreamed of singing in a musical, but have never had the opportunity? Are you a singer who wants to develop acting skills? Are you a shy student who wants to overcome fears of performing for an audience? If you answered "yes" to any of these questions, Musical Theater Workshop is the course for you. Solos, duets, and ensemble pieces from Broadway shows will be rehearsed and performed for the class in a safe, supportive, and fun environment. Classic and important musical works will be viewed, analyzed, and critiqued. Advanced work in theater history, vocal techniques, audition skills, and acting will be studied with the goal of excellence always in mind.

World Languages

Course Number and Title	Recommended Grade Level	Length of Time	Number of Periods Per Week	Number of Credits
400 French I	9 - 12	Full Year	5	5.00
402 French I-College Prep	9 - 12	Full Year	5	5.00
408 French II-College Prep	10 - 12	Full Year	5	5.00
409 French II-9 College Prep	9	Full Year	5	5.00
*431 French III-Honors	10 - 12	Full Year	5	5.00
*417 French IV-Honors	11 - 12	Full Year	5	5.00
*420 French V-Honors	12	Full Year	5	5.00
#432 French-Advanced Placement	12	Full Year	5	5.00
401 German I	9 - 12	Full Year	5	5.00
404 German I-College Prep	9 - 12	Full Year	5	5.00
410 German II-College Prep	10 - 12	Full Year	5	5.00
411 German II-9 College Prep	9	Full Year	5	5.00
*433 German III-Honors	10 - 12	Full Year	5	5.00
*418 German IV-Honors	11 - 12	Full Year	5	5.00
*421 German V-Honors	12	Full Year	5	5.00
403 Spanish I	9 - 12	Full Year	5	5.00
405 Spanish I-College Prep	9 - 12	Full Year	5	5.00
406 Spanish II-College Prep	10 - 12	Full Year	5	5.00
407 Spanish II-9 College Prep	9	Full Year	5	5.00
416 Spanish III-College Prep	10 - 12	Full Year	5	5.00
*425 Spanish III-Honors	10 - 12	Full Year	5	5.00
*419 Spanish IV-Honors	11 - 12	Full Year	5	5.00
*422 Spanish V-Honors	12	Full Year	5	5.00
#429 Spanish-Advanced Placement	12	Full Year	5	5.00
434 Spanish for Heritage Learners	9 - 12	Full Year	5	5.00

*= Weighted Courses – 8 Points

#= Weighted Courses – 15 Points

Descriptions of World Languages Courses

First Year of World Language

400 French I

401 German I

403 Spanish I

Length of Time	Full Year
Number of Periods Per Week:	5
Number of Credits:	5.00

Language I will acquaint students to the language and culture of the people. Emphasis will be placed on the listening and speaking phases of language learning, with reading and writing skills concentrating on developing grammar of the present tense and common idiomatic expressions. The life style, customs and traditions of the many different cultures will be discussed.

402 French I - CP

404 German I - CP

405 Spanish I - CP

Length of Time:	Full Year
Number of Periods Per week:	5
Number of Credits:	5.00

Language I-CP will acquaint students to the language and culture of the people. Emphasis will be placed on the listening and speaking phases of language learning, with reading and writing skills to be developed at a **more rapid pace**. The life style, customs and traditions of the many different cultures will be discussed.

Second Year of World Language

406 Spanish II - CP

407 Spanish II 9 - CP

408 French II - CP

409 French II 9 - CP

410 German II - CP

411 German II 9 - CP

Length of Time:	Full Year
Number of Periods Per Week:	5
Number of Credits:	5.00

PREREQUISITE:

Language I - College Preparatory - 77 average or better.

The purpose of Language II is to provide a continued and intensified study of the fundamentals of the language and culture. Initially, this course will present a thorough review of the skills developed in Language I courses. Speaking and listening skills are more formally developed at a **more rapid pace and a greater emphasis is placed on reading, writing and grammar structures**. The past tense will be introduced. Students will present information, concepts, and ideas to an audience of listeners or readers on a variety of topic through the use of technology.

Third Year of World Language

433 German III - Honors

416 Spanish III - CP

425 Spanish III - Honors

431 French III - Honors

Length of Time:	Full Year
Number of Periods Per Week:	5
Number of Credits:	5.00

PREREQUISITES:

1. Language III-CP: 77 average or better in Language II.

2. Language III Honors: 85 or higher in Language II or Teacher Recommendation.

The purpose of Language III is to increase vocabulary and understanding of culture through a variety of reading selections. A continuation of grammar instruction, with **emphasis** on composition and oral expression will be included. Students will be introduced to content from authentic multimedia and digital/print resources. Engage in conversations, provide and obtain information, express feelings and emotions, and exchange opinions through the use of technology resources.

Initially, this course will present grammar review and an expansion of basic language skills developed in Level I and Level II

Spanish III - Honors will **include more independent projects and require more independent study and research.**

- Honors

417 French IV - Honors

418 German IV - Honors

419 Spanish IV - Honors

Length of Time:	Full Year
Number of Periods Per Week:	5
Number of Credits:	5.00

PREREQUISITE:

Language III-College Preparatory - 93 average or higher

Language IV will promote a **more intensive use of vocabulary and idiomatic structures. Conversation and composition** will be a major part of the students' performance. Thus, improved skills of both oral and written expression will enable students to comprehend, on a higher level, the culture and history of target speaking people everywhere. Advanced grammar instruction will be included in this course, along with selected literature of major authors. It is anticipated that students, at this level, are intellectually ready to study more independently and deeply than they did in Language III.

Fifth Year of World Language - Honors

420 French V - Honors

421 German V - Honors

422 Spanish V - Honors

Length of Time:	Full Year
Number of Periods Per Week:	5
Number of Credits:	5.00

PREREQUISITE:

Honors Language IV - 93 or higher

The purpose of Language V is to apply the grammar structures learned in the previous years of study. Upon completion of high school, students should be able to communicate with usable levels of language proficiency required to function in a variety of occupations and careers in the contemporary workplace. In addition, they should be able to continue the study of a world language without remediation in colleges, universities and technical schools.

Placement

429 Spanish - AP

431 French - AP

Length of Time:	Full Year
Number of Periods Per Week:	5
Number of Credits:	5.00

PREREQUISITE:

Language III-College Preparatory or Honors 93 average or higher and Teacher Recommendation (or) Language IV-Honors

This course is an advanced course for students who plan to take **the Advanced Placement Test for college credit offered by the College Board**. Students must have successfully completed the Language IV-Honors program or Language III-Honors with 93 average or higher and teacher recommendation.

Specific skills in the four basic areas are emphasized by the Advanced Placement course--listening, speaking, reading and writing.

Taped lectures, dialogues and narratives will be utilized to enhance listening skills. Students will engage in **advanced conversations** and give informal and formal speeches to perfect their oral skills.

A great emphasis will be placed on **composition and reading comprehension**. Students will write several essays on topics each marking period.

Students, who have been appropriately placed, attend class regularly and complete assignments should be able to meet the criteria of the Advanced Placement Test with at least 80% of mastery.

434 Spanish for Heritage Learners

This program is intended to capitalize on the linguistic assets of Heritage Speakers of Spanish and to further enhance student's existing competencies in the Spanish language. Students will be able to express facts, ideas, and feelings in a manner that is intelligible, and develop specialized vocabulary through the study of other disciplines, as well as interpret and analyze different literary genres. Students will also increase their awareness and appreciation of different Hispanic cultures. Students will compare and contrast language functions between Spanish and English and enhance their language skills in both languages.