2025-2026 Course Description Guide



"An Uncompromising Commitment to Excellence"

ALLEN PARK HIGH SCHOOL
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ALLEN PARK, MI 48101

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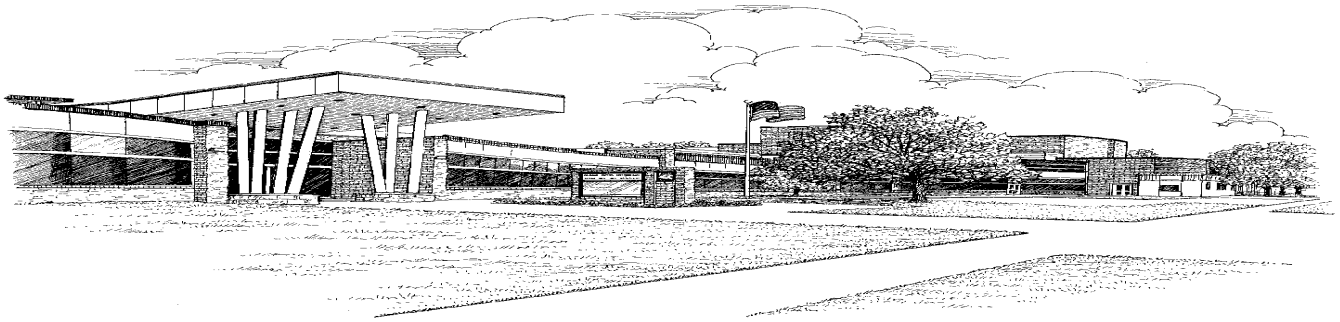
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ALLEN PARK PUBLIC SCHOOLS MISSION STATEMENT

An Uncompromising Commitment to Excellence

ALLEN PARK HIGH SCHOOL MISSION STATEMENT

The mission of Allen Park High School is to provide each student with the opportunity to succeed in a changing society by promoting intellectual growth, creativity, self-discipline, democratic responsibility and physical and mental health so that each student can achieve to his/her maximum potential.

ALLEN PARK HIGH SCHOOL OBJECTIVES

- To develop the total individual through a balanced program designed to increase skills in the areas of communication, mathematics, science, social studies, careers, and physical education.
- To establish a climate encouraging integrity, responsibility, and self-discipline that results in a positive value system.
- To develop the skills, understanding, and attitudes essential to intelligent and productive participation in our democratic society.
- To encourage the constructive use of leisure time.
- To understand the environment - its principles, problems, and implications for the future.
- To encourage the individual's potential through the acceptance, understanding, and appreciation of oneself and the existence of individual differences.
- To provide opportunities to make decisions and to evaluate their consequences.
- To promote self-confidence through praise, encouragement, and mutual respect.
- To create an awareness of the opportunity for personal growth through a closer, active relationship with family, peer group, school, and community.

ALLEN PARK HIGH SCHOOL STUDENT OUTCOMES

Upon graduating from Allen Park High School our students will:

- Have basic skills in reading, writing, speaking, communicating, thinking and calculating.
- Have personal management skills such as decision making, job skills, ability to meet family needs, ability to meet or exceed standards of quality, appreciation of the arts, ability to value and foster creative ideas, and a demonstration of honesty, integrity and respect for others.
- Be collaborative producers - able to work as team members, leaders and followers as needed. They should also work for the "common good," initiate and handle change, and negotiate, and identify skills and talents of self and others that will help to accomplish a task.
- Be involved citizens who practice the rights and responsibilities of citizens of a country, state, and city, work for a safe environment for all, practice responsibilities of family members and respect the cultures of other groups.

ALLEN PARK HIGH SCHOOL GRADUATION REQUIREMENTS

English Language Arts --Four (4) years (8 semesters)

Two (2) semesters of English Language Arts 9 required (1 credit)
Two (2) semesters of English Language Arts 10 required (1 credit)
Two (2) semesters of English Language Arts 11 required (1 credit)
Two (2) semesters of an English based electives required (1 credit)

Mathematics --Four (4) years (8 semesters)

Two (2) semesters of Algebra I required (1 credit)
Two (2) semesters of Geometry required (1 credit)
Two (2) semesters of Algebra II required (1 credit)
Two (2) semesters of math or math related credit (1 credit)
At least one full Math related course must be taken during the student's senior year.

Science --Three (3) years (6 semesters)

Two (2) semesters Biology required (1 credit)
Two (2) semesters Chemistry (1 credit)
Two (2) semesters Physics or additional Science (1 credit) or a qualifying CTE credit

Social Studies --Three (3) years (6 semesters)

One (1) semester in Economics (one-half credit) or AP Human Geography (full year)
Two (2) semesters in U.S. History and Geography (1 credit)
Two (2) semesters in World History and Geography (1 credit)
One (1) semester in Impact on Government (one-half credit)

Personal Finance - One (1) Semester (.5 credit) or AP Human Geography (full year)
Class of 2028 Personal Finance Requirement

Visual, Performing or Applied Arts --Two (2) semesters (1 credit) when taking four semesters (2 credits) of a foreign language or four semesters (2 credits) when taking two semesters (1 credit) of a foreign language.

Physical Education --One (1) semester and one (1) semester **Health** (1 credit)

One year (2 semesters) of Marching Band or two (2) Athletic Seasons verified by the Athletic Director or Music Director will earn .5 credit in Physical Education.

Foreign Language –Four (4) semesters (2 credits of the same foreign language. One (1) credit can be substituted by taking CTE or 2 Visual, Performing / Applied Arts credits.

Online Learning

Online experience of 20 hours is incorporated into each of the required credits.

Additional Considerations

Four (4) years (eight semesters) of **full-time** attendance.
Twenty-two (22) total credits.
Completion of Educational Development Plan (EDP)
Participation in the Michigan Merit Exam

Graduation

The following rules shall be applied for graduation of a student who will not be graduating in their normal year:

1. The graduation year shall be determined at the time the student enters the 9th grade.
2. That they pass all required graduation courses. (22 credits)
3. The Board shall award a regular high school diploma to every student **enrolled** in this District who meets the requirements of graduation established by this Board, the Michigan Department of Education (MDE), and as provided by State law (Board Policy 5460)

Early Graduation

Students interested in graduating early meet with administration, their counselor, and parent/guardian prior to the start of their senior year for approval and to develop a plan.

Commencement

No student will be eligible to participate in graduation activities, including commencement exercises, unless they have fulfilled all requirements set forth by the Board, including successful completion of all required classes, taking the required state level assessments and attainment of the required number of credits.

The Board recognizes the value of commencement exercises as a part of the graduation program and will hold the Superintendent responsible for the organization and planning of the commencement exercises.

MESSAGE FROM THE PRINCIPAL

This course description book highlights the myriad opportunities at Allen Park High for students to expand their horizons.

In compliance with the Michigan Merit Curriculum and Allen Park School Board policies, the courses in this guide are built for students to create a foundation to attain their post-secondary ambitions.

We look forward to continuing our strong family-school relationship that is the cornerstone to successful graduates.

Jason P. Skiba
Principal

VISUAL, PERFORMING OR APPLIED ARTS GRADUATION REQUIREMENT

One credit (two semesters) of the visual, performing or applied arts is required for graduation. Students that wish to take specific electives in the visual, performing or applied arts, should develop their Educational Development Plans (EDPs) with this in mind. Applied Arts includes content that is traditionally found in career and technical education programs. *The courses listed below will fulfill this requirement.*

3-D Design Studio	Dorm Room Furniture
3D Design CAD 1	Drafting
3D Design CAD 2	Drawing Foundations
Accounting 1	Essential Health & Living Skills
Accounting 2	Furniture Making
AP Computer Science Principles A/B	Home Repair
3-D Design Studio	Dorm Room Furniture
3D Design CAD 1	Drafting
3D Design CAD 2	Drawing Foundations
Accounting 1	Essential Health & Living Skills
Accounting 2	Furniture Making
AP Computer Science Principles A/B	Home Repair
AP Art	Housing & Interior Design
Architecture 1	Introductory Woodworking
Architecture 2	Java Programming Fundamentals
Art Explorations	Jazz Band A/B
Auto 1 A/B	Mixed Media Studio
Auto 2 A/B	Nutrition Foods 1
Auto 3A/B	Nutrition Foods 2
Auto 4A/B	Painting Studio
Auto Electrical	Parenting
Automotive Detailing	Personal Living
Balancing Work & Family	Portfolio Preparation
Business, Marketing and Finance 1	Python Programming 1
Business, Marketing and Finance 2	Python Programming 2
Cabinet Making	Q Basic Programming
CAD (Computer Aided Design)	Small Engines
Ceramics Studio	Software Development Fundamentals 1
Chamber Ensemble A/B	Software Development Fundamentals 2

Color Studio	Symphonic Band A/B
Computer Applications	Tradigital Studio
Concert Band A/B	Woodworking 1A/B
Concert Choir A/B	Woodworking 2 A/B
Construction and Building Maintenance A/B	Woodworking 3 A/B
Construction Trades - Commercial Cabinet & Countertop Making A/B	Yearbook Journalism A/B
Construction Trades A/B	
Consumer Economy	
Design and Structures	
Design Foundations	
Digital Multimedia 1 (Web Design)	
Digital Multimedia 2 (Video Production)	

DEPARTMENTS – All courses in the following departments:
All auto technology courses
All drafting, CAD and architecture courses
All family and consumer science courses
All music courses
All visual art courses
All woodworking courses
Please refer to the individual department section in the Course Description Guide to view the courses offered.

SPECIFIC COURSES – Other specific courses that satisfy this requirement include the following:

Drama 1 and Drama 2
General Merchandising
Yearbook
Internet/Website
Newspaper Journalism (Jaguar Journal)
Video Editing

REMINDER: Courses cannot be counted for two separate graduation requirements.

PERSONAL CURRICULUM

The Personal Curriculum (PC) is a process to modify specific requirements and/or content expectations based on the individual learning needs of the student. It is designed to serve students who want to accelerate or go beyond the Michigan Merit Curriculum (MMC) and students who need to individualize learning requirements to meet the MMC requirements. Reminder: Local districts may have graduation requirements above and beyond the MMC.

The Personal Curriculum

A Tool for Modifying the Michigan Merit Curriculum

Michigan Merit Curriculum (MMC)

Subject Area Credit Requirements	**Personal Curriculum (PC) Modifications** (Sequence and delivery up to district; support courses can count for credit regardless of year)
4 English Language Arts (ELA) Credits • Proficiency in State Content Standards for ELA (4 credits)	✓No modification except for students with an Individualized Education Program (IEP) and for transfer students who have completed 2 years of high school
4 Mathematics Credits • Proficiency in State Content Standards for Mathematics (3 credits) • Proficiency in district-approved 4th mathematics credit options (1 credit) * Students must have a math experience in their final year of high school.	✓1 credit of the state content standards for Mathematics may be modified to ½ credit so long as the modification continues to provide the state content standards ✓Additional modifications allowed for students with an IEP and transfer students who have completed 2 years of high school. * Students must have a math experience in one of their two final years of high school.
3 Science Credits • Proficiency in State Content Standards for Science (3 credits); ***Or*** • Proficiency in some State Content Standards for Science (2 credits) **and** completion of a department-approved formal career and technical education program (1 credit)	✓No modification except for students with an IEP and transfer students who have completed 2 years of high school
3 Social Studies Credits • Proficiency in State Content Standards for Social Studies (3 credits)	✓1 social studies credit (other than Civics) can be exchanged for an additional English language arts, math, science, or world languages credit, or department-approved formal career and technical education program. ✓Additional modifications allowed for students with an IEP and transfer students who have completed 2 years of high school.
1 Physical Education and Health Credit • Proficiency in State Content Standards for Physical Education and Health (1 credit); ***Or*** • Proficiency with State Content Standards for Health (1/2 credit) and district-approved extra-curricular activities involving physical activities (1/2 credit)	✓Credit can be exchanged for an additional English language arts, math, science, or world languages credit, or department-approved formal career and technical education program. ✓Additional modifications allowed for students with an IEP and transfer students who have completed 2 years of high school.
1 Visual, Performing, and Applied Arts Credit • Proficiency in State Content Standards for Visual, Performing and Applied Arts (1 credit)	✓Credit can be exchanged for an additional English language arts, math, science, or world languages credit, or department-approved formal career and technical education program. ✓Additional modifications allowed for students with an IEP and transfer students who have completed 2 years of high school.

Subject Area Credit Requirements	**Personal Curriculum (PC) Modifications** (Sequence and delivery up to district; support courses can count for credit regardless of year)
2 World Languages Credits (Effective beginning with students graduating in 2016) • Formal coursework OR an equivalent learning experience in grades K-12 (2 credits); ***Or*** • Formal coursework or an equivalent learning experience in grades K-12 (1 credit) **and** completion of a department- approved formal career and technical education program **or** an additional visual, performing and applied arts credit (1 credit)	✓No modification except for students with an IEP and transfer students who have completed 2 years of high school
Online Learning Experience • Course, Learning or Integrated Learning Experience	✓No modification except for students with an IEP and transfer students who have completed 2 years of high school

MATH CREDIT ALTERNATIVES

The options listed below are available to **SENIORS ONLY**. For these courses to be used as math credits, they can only be taken during SENIOR YEAR.

ACCOUNTING 1 AND 2
Seniors only have the opportunity to earn ½ math credit for Accounting 1 and ½ math credit for Accounting 2.

AUTOS 1, 2, 3 and/or 4
Seniors only have the opportunity to earn a senior math credit if they take Autos 1, 2,3 or 4 for a full year, and pass both semesters. Senior students who elect this option and fail the first semester will void this option and will need to make up the math credit during the second semester.

BUSINESS MATH 1 and 2 or PERSONAL FINANCE 1 & 2 or BUSINESS, MARKETING & FINANCE 1 & 2
Seniors only have the opportunity to earn ½ math credit for any of the courses listed above per semester.

DRAFTING,CAD, 3D DESIGN CAD 1, 3D DESIGN CAD 2, ARCHITECTURE 1 & 2
Seniors only have the opportunity to earn a ½ math credit for any of the courses listed above per semester.

PHYSICS
Seniors only have the opportunity to earn ½ math credit and ½ science credit if they take physics for a full year and pass both semesters. Senior students who elect this option and fail the first semester will void this option and will need to make up the math credit during the second semester. If a student chooses to drop physics at the end of the first semester, that student will earn ½ science credit and will need to make up the math credit.

WOODWORKING 1, 2, 3
Seniors only have the opportunity to earn a senior math credit and if they take woodworking for a full year and pass both semesters. Senior students who elect this option and fail the first semester will void this option and will need to make up the math credit during second semester.

COURSE OF STUDY

Students are strongly encouraged to use their high school experience to the fullest to continue preparing for life after they graduate. Many options exist for students beyond high school and it is important to explore these options and properly prepare for the future. Part of this preparation is the development of a course of study that will enable the student to prepare to enter the world of work right after graduation or to prepare for further study at a college or university.

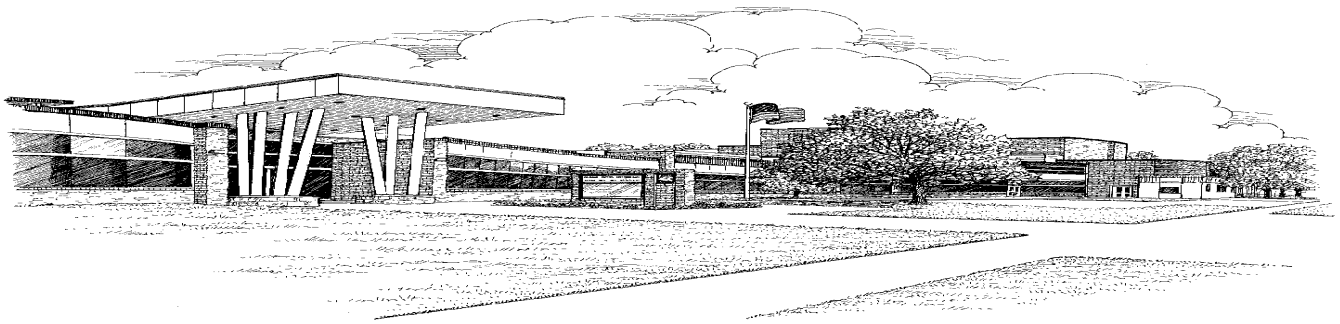
Three primary categories exist when developing a course of study: **college prep, general studies, and tech prep**. The following is a brief description of each of the three categories as well as sample courses of study for each. These samples are to be used only as a guide. All students are expected to identify their own interests and therefore individualize their course of study. Only classes designated as Advanced Placement will receive an honor point for the purposes of calculating a student's grade point average.

COLLEGE PREP RECOMMENDED COURSE OF STUDY

REQUIREMENTS	9TH GRADE	10TH GRADE	11TH GRADE	12TH GRADE
English 8 semesters/ 4 years required	English Language Arts 9 or Honors English Language Arts 9	English Language Arts 10 or AP Seminar (Pending Board Approval)	English Language Arts 11 or AP Language and Composition or AP Literature	Creative Writing, Shakespeare World Mythology Novels Senior Composition Speech Debate Intro to Philosophy
Mathematics 8 semesters/ 4 years required	Algebra 1	Geometry or Honors Geometry	Algebra 2 or Honors Algebra 2 Core Algebra 2	Precalculus or Calculus
	Geometry Honors Geometry	Algebra 2 or Honors Algebra 2 Or Core Algebra 2 Personal Finance	College Preparatory Algebra or Precalculus or AP Precalculus or Calculus or AP Calculus AB or AP Calculus BC	AP Calculus AB or AP Calculus BC
Science 6 semesters/ 3 years required	Biology Or Honors Biology	Chemistry or Core Chemistry Honors Chemistry	Physics	AP Chemistry or AP Biology AP Environmental Science or Human Anatomy SMIC, Movement Integration and Control or Human Anatomy RMRD: Regulation, Maintenance, Reproduction, and Development or Zoology or Laboratory Biology
Social Studies 6 semesters/ 3 years	Economics or AP Human Geography	U.S. History & Geography Or AP United States History	World History & Geography Or AP World History	Impact on Government or AP Government
Phys. Ed. 1 semester **Health** 1 semester **Visual Performing or Applied Arts** 2 semesters/1 year **Foreign Language** 4 semesters 2 years of the same language*	Elective	Elective	Elective	Elective
	Elective	Elective	Elective	Elective

GENERAL STUDIES RECOMMENDED COURSE OF STUDY

REQUIREMENTS	9TH GRADE	10TH GRADE	11TH GRADE	12TH GRADE
English 8 semesters/ 4 years required	English Language Arts 9	English Language Arts 10	English Language Arts 11	2 Semesters of 12th grade English Electives
Mathematics 8 semesters/ 4 years required	Algebra 1	Geometry	Algebra 2 or Core Algebra 2	Probability & Statistics College Prep Algebra or Precalculus Business Math 1 Business Math 2 Personal Finance 1 Personal Finance 2
Science 6 semesters/ 3 years required	Biology	Chemistry	Physics	Elective AP Biology AP Environmental Science AP Chemistry Forensics Lab Biology Zoology Anatomy RMRD Anatomy SMIC
Social Studies 6 semesters/ 3 years required	Economics	United States History & Geography	World History & Geography	Impact on Government
Phys. Ed. 1 semester **Health** 1 semester **Visual Performing or Applied Arts** 2 semesters/ 1 year **Foreign Language** 4 semesters 2 years of the same language or substitute 1 year with a VPAA or CTE course	Fitness for Life	Class of 2028 and beyond must have Personal Finance I	Elective	Elective
	Elective	Health	Elective	Elective



TECH PREP RECOMMENDED COURSE OF STUDY

REQUIREMENTS	9TH GRADE	10TH GRADE	11TH GRADE	12TH GRADE
English 8 semesters/ 4 years required	English Language Arts 9	English Language Arts 10	English Language Arts 11	2 Semesters of 12th grade English Electives
Mathematics 8 semesters/ 4 years required	Algebra 1	Geometry and Personal Finance I	Algebra 2 or Core Algebra 2	Trigonometry and Probability & Statistics or Precalculus College Prep Algebra Business Math 1 Business Math 2 Personal Finance 1 Personal Finance 2
Science 6 semesters/ 3 years required	Biology Honors Biology	Chemistry Honors Chemistry	Chemistry or Core Chemistry or Physics	Physics Forensic Science, Human Anatomy SMIC: Support, Movement, Integration, and Control or Human Anatomy RMRD: Regulation, Maintenance, Reproduction, and Development or Zoology or Laboratory Biology
Social Studies 6 semesters/ 3 years required	Economics	United States History & Geography	World History & Geography	Impact on Government
Phys. Ed. 1 semester **Health** 1 semester **Computer Education** 1 semester **Visual Performing or Applied Arts** 2 semesters/ 1 year **Foreign Language** 4 semesters 2 years of the same language or substitute 1 year with a VPAA or CTE course	Physical Ed and Health	Career/Technical Education Elective	Career/Technical Education Elective	Career/Technical Education Elective
	Career/Technical Education Elective	Computer Education	Career/Technical Education Elective	Career/Technical Education Elective

CAREER PATHWAYS

Career Pathways, developed by the Michigan Department of Education, are broad groupings of careers that share similar characteristics and whose employment requirements call for many common interests, strengths and competencies. The desired outcomes of Career Preparation are student achievement and ultimate success in a career(s) of choice. We have designated the Career Pathways for our elective courses in this guide to assist students and parents in the planning of the Educational Development Plan (EDP).



ARTS AND COMMUNICATIONS (ARTS)

Careers related to the humanities to the performing, visual, literary and media arts. These may include creative or technical writing, illustrating, graphic designing, publishing, theatre arts, journalism, languages, radio and television broadcasting, photography, advertising and public relations. Specific examples include artists, journalists, industrial designers, musicians, photographers, and theater technicians.



BUSINESS MANAGEMENT, MARKETING AND TECHNOLOGY (BUSINESS)

Careers related to all aspects of business including accounting, business administration, finance, information processing and marketing. These may include entrepreneurship, sales, marketing, hospitality and tourism, computer/information systems, finance, accounting, office administration, personnel, economics and management. Specific examples include accountants, business mangers, salespersons, buyers, computer network administrators, secretaries and stock analysts.



ENGINEERING/MANUFACTURING AND INDUSTRIAL TECHNOLOGY (TECH)

Career related to the technologies necessary to design, develop install, or maintain physical systems. These may include occupations in designing, engineering and science, service technicians, manufacturing technology, transportation and construction. Specific examples include architects, airplane pilots, engineers, carpenters, microcomputer specialists, equipment operators, technicians and mechanics.



HEALTH SCIENCES (HEALTH)

Careers related to the promotion of health as well as treatment of injuries, conditions, and disease. These may include medicine, dentistry, nursing, therapy and rehabilitation, nutrition, fitness and hygiene, public health and veterinary science. Specific examples include physicians, nurses, pharmacists, health facility administrators, dental assistants, veterinarians, physical therapists and medical technicians.



HUMAN SERVICES (H.S.)

Career in childcare, civil service, education, hospitality and the social services. These may include law and legal studies, law enforcement, public administration, child and family services, and social services. Specific examples include postal workers, police officers, lawyers, teachers, counselors, school administrators, firefighters, clergy and social workers.



NATURAL RESOURCES AND AGRISCIENCE (NR)

Careers related to the natural resources, agriculture and the environment. These may include agriculture, earth sciences, environmental sciences, fisheries management, forestry, horticulture, wildlife management, and many agri-business /agri-industry occupations. Specific examples include environmentalists, turf grass managers, farmers, landscape architects, plant scientists, marine biologist, and agricultural equipment mechanics.

STUDENT SCHEDULING

During the second semester of each school year, students will meet with their school counselor to select their classes for the following school year. The decision of which classes to select should be based on the course of study that is in place for the student. The student should work closely with their counselor to make sure their course of study is consistent with their career and educational goals. This information is included in the **Educational Development Plan (EDP).**

Students need to carefully select their classes and their alternate selections during the scheduling period. Because classes are run based on student interest, it is essential that we get an accurate count for each class. Once the scheduling sheet is submitted, the courses will be scheduled for the student. When all of the students are scheduled, decisions will be made regarding the number of teachers needed to properly staff the high school. **Therefore, students should treat the course selection sheet as a contract**. Parents are urged to carefully review the courses with their child.

Please Note Courses with only one number indicate that the course is worth ½ credit. Courses with two numbers are worth one full credit. If a course has two numbers associated with it, the first number reflects that it is a 1st semester class, and the second number reflects that it is offered as a 2nd semester class.

CLASS CANCELLATION

In the event that there are not enough students electing a particular class, that class will be canceled. Those students who are directly involved will be scheduled into the alternate that appears on their course selection sheet. In general, a class must have a minimum of 20 students to run.

SCHEDULE CHANGES

Schedule changes are not allowed because students received their alternative choice class. No schedules will be changed after the end of the second week of the semester.
In general class changes are not possible.

Class changes are limited for critical need only.
The master schedule and staff allocations are determined based on student selections made in the spring. Class sizes are balanced accordingly and will not allow for additional students.

In certain extreme situations, meeting the following criteria, administrative approval may be granted:

1. The schedule is inaccurate and does not reflect the 6 classes and 3 alternate choices the student selected last spring.
2. The student failed a class and/or needs a required class for graduation.
3. The student has taken the class in summer school.
4. The level of the course is inappropriate.
5. The teacher requests a different level/course for the student.
6. There is a computer error.
7. The student is requesting a more rigorous academic course.
8. The counselor recommends a change based on the best educational interest of the student.
9. Individual circumstances supported by student/parent rationale.
10. Paperwork must be signed and completed.

If a student feels they have reason to change classes based on these situations, he/she is to sign up to see their counselor immediately during class changes or before/after school and state reason(s) on the sign-up sheet. The counselor will send for them and start the process for administrative approval. There is a schedule change request form that must be completed. Students are expected to attend classes they are assigned until a decision is made.

INCOMPLETES

An Incomplete grade of "I" may be awarded at the discretion of the instructor when illness or other unavoidable extenuating circumstances prevent completion of a course by an individual student. The student will have to complete the Incomplete work before the next Quarter and the transcript will be adjusted to reflect grade earned.

ALLEN PARK HIGH SCHOOL POLICY REGARDING CREDIT RECOVERY

Graduation from Allen Park High school requires that a student spend four years of study at the high school level and successfully complete a minimum of twenty-two (22) credits. All courses taken and passed earn one-half (1/2) credit per semester. All students must be enrolled in the equivalent of (6) classes each semester at Allen Park High School, unless enrolled in a career/technical education program or dual enrollment.

Students who fail classes and fall behind in credits have a variety of options to choose for making up these credits including Allen Park High School Summer School, Allen Park High School Credit Recovery during the school year, and outside adult education or programs at other schools. (Southgate Adult Education, Lincoln Park, i.e.)

CREDIT RECOVERY

The following policies and procedures have been established to govern these **credit recovery programs**:

CREDIT RECOVERY, SUMMER SCHOOL OR OTHER OUTSIDE AGENCIES

1. Students who make up failed courses through summer school, credit recovery or an outside school or adult education program (after failing the class in the regular program) will earn one-half (1/2) credit for each course that they pass.

2. Summer school or credit recovery courses do not replace the failing grade. They simply allow the student to recover the credit for the failed course.

3. Students in any of these programs will receive **a pass or fail grade rather than a letter grade** on their APHS transcript. This will not be computed in a student's cumulative grade point average. Passing must be a minimum of 60% in the class.

4. These credit recovery classes are for remediation and not for acceleration or enrichment purposes.

5. Students may enroll in these programs if they have failed the **required** course at Allen Park High School or if they need **elective** credit options in order to make up the total number of credits.

6. Students seeking to make up credit via other programs (such as on-line or correspondence courses) must receive counselor and administrative approval.

RETAKING A FAILED CLASS DURING THE SCHOOL YEAR AT APHS

Students are allowed to re-take a course that they failed during the school year in the following school year(s) at Allen Park High School. The following policies and procedures have been established to govern this program:

1. A student may elect to re-take **any** failed course at Allen Park High School in a succeeding year's schedule.
2. The failed course will remain on the transcript.

RETAKING A CLASS TO IMPROVE SKILLS IN CREDIT RECOVERY OR SUMMER SCHOOL

With the new high school graduation requirements, students are expected to achieve at higher levels. In order to build their skills, students may elect to **re-take a core 9th and 10th grade subject area classes** in the credit recovery or summer school. The following policies and procedures have been established to govern this program:

1. Students who receive a C or below in the classes listed below may enroll in the APHS credit recovery or summer school in order to increase their chances for success in the next level of that subject area.
   - Algebra 1
   - Geometry
   - ELA 9 or 10
   - Biology
   - Economics

2. Students will receive an elective credit for retaking and passing a course and the grade will be calculated into their grade point average. This will not replace the original course and grade.

3. The class will be titled "support" in whatever subject it may be. For example, a student could take "Support Algebra 1," or "Support ELA 9." Support classes do not satisfy Michigan Merit requirements

TESTING OUT POLICIES AND PROCEDURES

Beginning with the class of 2011, as prescribed by the Michigan Merit Curriculum, students are eligible to test out of courses. According to the Allen Park Public Schools Board Policy 7650-2, students must attain a grade of not less than 80%. The following policies apply to a student who wishes to test out.

Policy:

- Credit will be earned contingent upon the demonstration of successful mastery of required course outcomes on the required assessment.
- Credit will be earned if the student earns an 80% or higher in the course comprehensive assessment.
- Credit will be recorded on the student transcript as P (pass) and the credit will not be calculated in the grade point average.
- Passing earns credit.
- Once credit is earned by testing out, a student may not receive credit, by any means, for a lower course in that course sequence.
- To be eligible to test out of a class, a student must complete and turn in to the counseling office the required paperwork by the published deadlines. No exceptions will be made.

Testing Out Policies and Procedures

- If students taking the class are required to demonstrate knowledge beyond taking a test, a student wishing to test out may be required to do the same. This may include an exam and/or written reports, research papers, demonstration, a portfolio or other assessments normally required when taking this course.
- The Test Out Request must be obtained, completed, and turned in to the Counseling Office by the appropriate date (1st Monday in June for the August test out/1st Monday in December for the January test out, and the 1st Monday in April for the May test out).
- Each test date will be published on the school calendar. There will be three test dates: the last week of August, the 1st week of January after the winter break, and the 1st week in May.

- Most tests will be allocated 90 minutes. A maximum of 4 tests will be eligible for test out on any given test date. Skill-based or portfolio-based exams may require a different time frame than traditional exams.
- Upon approval to take the test out, the student must obtain the necessary materials (course expectations, directions for assessment, and any other relevant materials) from the Counseling Office or subject area department.
- Students must return all borrowed materials prior to taking the assessment.
- Students must receive an 80% or above in order to pass the class.

Responsibilities:

Students

- Submit the required form during the allotted time frame to the Counseling Office.
- Obtain the necessary materials for the course(s) from the Counseling Office or subject area department.
- Fulfill the requirements for the comprehensive assessments within the specified time period. Extensions are not available.

Parents

- Become fully informed about student rights and responsibilities in relation to testing out located in district publications.
- Become actively involved in the decisions for their student to participate in testing out.
- Assist the student in meeting all published deadlines.
- Approve the student's application for testing out.

COLLEGE ENTRANCE TESTING PROGRAM
(ACT, PSAT/NMSQT, SAT)

Beginning in the Spring of 2016, the SAT test will be given to all Juniors in the state of Michigan as a college reportable score. This is one component of the Michigan Merit Exam. All three components of the MME are required for graduation from Allen Park High School. These components include the SAT, the ACT WorkKeys, and the M-STEP (made up of a Science and Social Studies test).

The counselors are available to help with registration procedures for these tests. Information concerning national tests description, test centers, code numbers, fees, and test administration dates are available through the Counseling Center. Information is also publicized through bulletins, announcements, and the school website.

SCHOLARSHIPS

Most college scholarships available are based on a combination of outstanding academic achievement and financial need. Others are awarded on the basis of outstanding academic achievement only. In order to become a candidate for a scholarship a student should:

1. Start immediately in the freshman year to achieve the best possible scholastic record.
2. Show evidence of good citizenship.
3. Participate in school activities.
4. Take the Preliminary Scholastic Aptitude Test/National Merit Scholarship Qualifying Test (PSAT/NMSQT), in the junior year and the SAT in the spring of the junior year.
5. **The only way to become a National Merit scholar is to take the Preliminary Scholastic Aptitude Test/National Merit Scholar Qualifying Test (PSAT/NMSQT) during the junior year.**
6. Parents complete the FAFSA as soon as possible after October 1st of the student's senior year.

7. The counseling website and morning announcements have detailed information regarding available scholarships.
8. Most important - keep in close contact with the counselor.

POSTSECONDARY ENROLLMENT (DUAL ENROLLMENT)

Historically, school districts have, in an effort to meet students' needs and interests, allowed their students to attend courses at local colleges or universities, in addition to their own school. The Postsecondary Enrollment Options Act (1996 PA 160) and the Career and Technical Preparation Act (2000 PA 258) require school districts to support **Dual Enrollment**. These laws direct school districts to assist students in paying tuition and fees for courses at Michigan public or private colleges or universities. The following are some of the eligibility guidelines and standards:

1. Students are in grade 9 through 12.
2. Student eligibility to participate in dual enrollment is a local decision that will include multiple sources of information about whether or not a student is ready for a post-secondary educational experience. Poor academic performance may preclude students from participating in Dual Enrollment.
3. Students can qualify for dual enrollment by taking one of the following assessments: PSAT, PLAN, ACT, SAT and MME. The table on the reverse side of this letter shows the complete list of scores that qualify students for dual enrollment.
4. Students are eligible for courses in the subject area in which he or she has earned endorsements on the tests noted above.
5. Also, students may take courses in subjects for which there are no endorsements, such as history, political science, psychology, computer science or foreign language courses not offered by the school, Career Technical Education courses and fine arts programs only as permitted by the district. To be eligible students must have taken all sections of the MME, ACT PLAN, ACT or PSAT. State endorsement is not required in any specific area for participation in non-tested subject areas.
6. Students must be enrolled in both the school district and post-secondary institution during the local school district's regular academic year and must be enrolled in at least one high school class. The number of high school classes and postsecondary classes must equal a full-time schedule **and cannot exceed a total of six classes.**
7. The college courses cannot be a hobby, craft or recreation course, or in the subject areas of physical education, theology, divinity or religious education.
8. Dual enrollment will not be approved for a class that the district offers as an advanced placement course, unless the student has already participated in that course.

School districts are required to pay **lesser** of:

a. the actual charge for tuition, mandatory course fees, materials fee and registration fees; or

b. the state portion of the students' foundation allowance, adjusted to the proportion of the school year they attend the postsecondary institute.

9. If a student fails a Dual Enrollment course, the student shall repay the school district any funds that were expended at 100%.

Course Limits:
Up to 10 courses overall can be covered under the Postsecondary Enrollment Options Act. For a student that first dual enrolls in:

-9th grade – not more than two courses per year in 9th, 10th and 11th grade, and not more than four courses in grade 12.
-10th grade – not more than two courses in 10th grade, and not more than four courses in 11th and 12th grade.
-11th or 12th grade – not more than six courses per year.

Dual Enrollment Readiness
Qualifying Assessments and Scores 2022-23

Assessment	Test Section	Content Area	Minimum Qualifying Score
ACT	Mathematics	Mathematics	22
ACT	Reading	Reading	22
ACT	Science	Science	23
ACT	English	English	18
PSAT 8/9	Critical Reading	Evidence-Based Reading and Writing	460
PSAT 8/9	Mathematics	Mathematics	510
PSAT 10	Critical Reading	Evidence-Based Reading and Writing	460
PSAT 10	Mathematics	Mathematics	510
PSAT/NMSQT 11	Critical Reading	Evidence-Based Reading and Writing	460
PSAT/NMSQT 11	Mathematics	Mathematics	510
SAT	Critical Reading	Evidence-Based Reading and Writing	480
SAT	Mathematics	Mathematics	530
AP**	Various subject areas	May qualify for credit and allow for higher level classes	Check with IHE
CLEP**	Various subject areas	May qualify for credit and allow for higher level classes	Check with IHE
IB**	Various subject areas	May qualify for credit and allow for higher level classes	Check with IHE
ACCUPLACER**	Various subject areas	May qualify for credit and allow for higher level classes	Check with IHE

Please note: For the 2020-2021 school year student may qualify with a GPA. of 2.5 or higher.

**There are no state approved scores related to these assessments. Subject area and qualifying scores are specific to an Institution of Higher Education (IHE). It is best to contact the IHE to see what scores they accept as a qualifying score for the desired dual enrollment course.

SECTION 21F-ONLINE LEARNING

Section 21F of Public Act 196 of 2014 expands access to digital learning options for students in Michigan. Students in grades 9-12 are eligible to request an online course; however the online course must be included as one of the six total class selections allowed per semester at Allen Park High School. Additional information may be found at: http://media.mivu.org/institute/pdf/21f_FAQs.pdf. Students may discuss this option and receive additional information from their counselor.

ONLINE ADVANCED PLACEMENT CLASSES

Our goal with Advanced Placement classes is to have our students take the classes at APHS in person with our teachers so they can receive the daily instruction, interactions, and rigor needed to succeed in the class and test. Those students are rewarded with an honor point when their GPA is calculated. Students who take an Advanced Placement class online will receive the honor point if the class is not available and running at APHS. Students who take an Advanced Placement class online instead of taking the in person option at APHS will not receive the honor point.

NCAA INITIAL ELIGIBILITY - CLEARING HOUSE

Students interested in participating in an athletic program in a college that is regulated by the National Collegiate Athletic Association *(NCAA)* must meet the academic eligibility standards established by the NCAA. Students planning to enroll in college as freshmen wishing to participate in Division I and Division II athletics must be certified by the NCAA Initial-Eligibility Clearinghouse. All student athletes must register at www.ncaa.org.

It is the student's responsibility to verify that the courses he/she selects are NCAA approved. NCAA approved courses are noted in parenthesis after the course description in this booklet.

Complete information regarding NCAA Eligibility can be found at www.ncaastudent.org
Students may also see a counselor for additional information.

TRANSFERING CREDITS FROM A SEMESTER PROGRAM TO APHS

Graduation requirements must be met by all students planning to earn an Allen Park High School diploma. Classes taken at other high schools will be carefully evaluated to determine whether the classes can be used to fulfill the graduation requirements and to determine the total equivalent credits awarded by Allen Park High School. Students who have taken classes at other high schools should work closely with their counselor to make sure they are on track to fulfill the graduation requirements.

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SELECTION OF THE VALEDICTORIAN AND SALUTATORIAN

Allen Park High School is proud to honor the academic achievement of its students. During the senior year, the Valedictorian and Salutatorian of the class shall be named under the following guidelines:

1. Selection of the Valedictorian and Salutatorian occurs at the end of the 7th semester and will be the student with the highest cumulative grade point average.
2. All grades in all subject areas, both required and elective, shall count in determining the final grade point average.
3. To qualify, a student must have earned their final twelve (12) credits at Allen Park High School at the time of graduation.
4. The determination of the grade point average will be computed to the 4th decimal.
5. In the event of a tie to the 4th decimal, a Co-Valedictorian and/or Co-Salutatorian will be named.
6. 7th semester rankings will be used for those events that take place prior to the end of the school year. Such events include but are not limited to the following:
   - Annual Honors Convocation
   - The Best and the Brightest Channel 7 television acknowledgement
   - Kiwanis Honors Banquet
   - Superintendent's Honors Dinner
   - Rotary Club Valedictorian and Salutatorian Honors Luncheon
   - Commencement Exercises
7. 7th semester rankings will be used for those deadlines that take place prior to the end of the school year. Such deadlines include but are not limited to the following:
   - Yearbook publication
   - Newspaper deadlines
   - Honors Convocation program
   - Graduation program
8. In the case of a Co-Valedictorian, the student with the highest SAT score will be designated Channel 7 Brightest and Best
9. In the case of a student who achieves a higher grade point average **after the 8th semester**, thereby **tying or passing** the student named Valedictorian or Salutatorian after the 7th semester, the said student with the higher or tied grade point will be publicly named at commencement exercises as the Co-Valedictorian or Co-Salutatorian.
10. It is understood that those documents, publications or events that are time sensitive with 7th semester deadlines cannot be changed.

POLICY OF COMPLIANCE WITH FEDERAL LAW

In compliance with Title VI of the Civil Rights Act of 1964, Title IX of the Education Amendments of 1972, Section 504 of the Rehabilitation Act of 1973, the Age Discrimination Act of 1975, and Title II of the Americans with Disabilities Act of 1990, it is the policy of the Allen Park Public Schools that no person shall, on the basis of race, color, religion, national origin or ancestry, gender, age, disability, height, weight, or marital status be excluded from participation in, be denied the benefits of, or be subjected to discrimination during any program, activity or service or in employment. Inquiries related to Section 504 of the Rehabilitation Act of 1973 should be directed to: Dr. Matthew Sokol, Director of Special Education, 8401 Vine, Allen Park, Michigan 48101, (313) 827-2200. Inquiries related to Title II of the Americans with Disabilities Act, Title VI of the Civil Rights Act of 1964, Title IX of the Education Amendments of 1972, and the Age Discrimination Act of 1975, should be directed to: Ms. Giovanni Foster, Asst. Principal, Allen Park High School, 18401 Champaign, Allen Park, Michigan 48101, (313) 827-1230.

GRIEVANCE PROCEDURES FOR SECTION 504 OF THE REHABILITATION ACT OF 1973, TITLE II OF THE AMERICANS WITH DISABILITIES ACT, TITLE VI OF THE CIVIL RIGHTS ACT OF 1964, TITLE IX OF THE EDUCATION AMENDMENT ACT OF 1972, AND THE AGE ACT OF 1975

Section I

Student referrals under Section 504 will be sent to the appropriate building intervention team for identification, review, evaluation, and plan for service, if eligible. Any person believing that the Allen Park Public Schools or any part of the school organization has inadequately applied the principles and/or regulations of Section 504 of the Rehabilitation Act of 1973, that person may bring forward a complaint, which shall be referred to as a grievance, to the local Section 504 Coordinator at the Following address:

Dr. Matthew Sokol
Director of Special Education
8401 Vine
Allen Park, Michigan 48101

If any person believes that the Allen Park Public School District or any part of the school organization has inadequately applied the principles and/or regulations of (1) Title II of the Americans with Disabilities Act, (2) Title VI of the Civil Rights Act of 1964, (3) Title IX of the Education Amendment Act of 1972, and/or (4) the Age Act of 1975, that person may bring forward a complaint, which shall be referred to as a grievance, to the local Civil Rights Coordinator at the following address:

Giovanni Foster, Assistant Principal
Allen Park High School
18401 Champaign
Allen Park, Michigan 48101

Section II

The person who believes he/she has a valid basis for grievance shall discuss the grievance informally and on a verbal basis with the local Coordinator, who shall in turn investigate the complaint and reply with an answer to the complainant. That person may initiate formal procedures according to the following steps:

Step 1 A written statement of the grievance signed by the complainant shall be submitted to the local Coordinator within five (5) business days of receipt of answers to the informal complaint. The coordinator shall further investigate the matters of grievance and reply in writing to the complainant within five (5) days.

Step 2 If the complainant wishes to appeal the decision of the local Coordinator, that person may submit a signed statement of appeal to the Superintendent of Schools within five (5) business days after receipt of the Coordinator's response. The Superintendent shall meet with all parties involved, formulate a conclusion, and respond in writing to the complainant within ten (10) business days.

Step 3 If the complainant remains unsatisfied, that person may appeal through a signed, written statement to the Board of Education within five (5) business days of receipt of the Superintendent's response in step two. In an attempt to resolve the grievance, the Board of Education shall meet with the concerned parties and their representative within forty (40) days of the receipt of such an appeal. A copy of the Board's disposition of the appeal shall be sent to each concerned party within ten (10) days of this meeting.

Step 4 If at this point the grievance has not been satisfactorily settled, further appeal may be made to the office for Civil Rights, Department of Education, Washington, D.C. 20201.

Inquiries concerning the non-discriminatory policy may be directed to Director, Office for Civil Rights, Department of Education, Washington, D.C. 20201. The local Coordinator, on request, will provide a copy of the district's grievance procedure and investigate all complaints in accordance with this procedure. A copy of each of the Acts and the regulations on which this notice is based may be found in the local Coordinator's office.

DEPARTMENT INFORMATION

The Building Trades and Woodworking program, located in the state-of-the-art Construction Technologies Laboratory, is a commercial cabinet and countertop-making program. Students design and manufacture custom cabinetry, display fixtures and countertops. Projects have included renovating a kitchen in an Allen Park resident's home and the Home Economics room at Allen Park High School. Other examples include building computer stations for Crestwood School District and the Allen Park Schools and manufacturing doors for Warren Consolidated Schools. Additionally, the program has taken on the Toys for Tots Program by building wooden toys and toy boxes for area children. These real-life experiences give students a hands-on opportunity to learn and practice a skilled trade that can lead to future employment.

Other vocational opportunities at Allen Park High School include auto technology, computer aided drafting programs and architecture. Auto classes have partnered with Ford Motor Company that provides newer model cars for students to study state-of-the art technology.

Business Services and Technology Department computer classes include computer applications and basic programming. We also have an Internet webpage design semester class and hope to expand our other technology offerings in the future.

Life Management is a popular program with courses in nutrition and foods as well Parenting, Personal Living and Balancing Life and Family. This curriculum provides students with information on careers, psychology and everyday life issues.

The **English Language Arts Department** has a program that integrates composition and literature into a year-long course for all students in ELA 9, 10 and 11. In the senior year, the students select from a senior elective program with courses in World Mythology, Debate, and others. Additionally, there are two advanced placement courses offered in English: AP Language and Composition and AP Literature and Composition.

In **Mathematics,** all students must take the Algebra I, Geometry, and Algebra II sequence of courses as part of the Michigan Merit Curriculum. In addition, all students are required to take math in the senior year and may choose from such courses as Probability and Statistics, AP Precalc, Accounting, Business Math, and Precalculus. Students may also choose a more rigorous course including precalculus and Advanced Placement Calculus and Advanced Placement Statistics programs.

Physical Education has been structured into a Fitness for Life Program. This semester course focuses on a goal of achieving and maintaining a health-enhancing level of physical fitness through regular participation in physical fitness. Units also include circuit training, Plyometrics, body fat composition, and Presidential Fitness testing. With the renovated pool, Fitness for Life incorporates a swimming unit. In addition, there is a required course in **Health Education**. The curriculum provides instruction in tobacco and alcohol awareness, sexuality, conflict resolution, nutrition and other health-related topics.

The **Music Department** has a comprehensive curriculum with courses in Jazz Band, Concert Band, Symphonic Band, Marching Band, Concert Choir, and Chamber Ensemble. With the increased skill level of our students, Allen Park High School has been recognized at regional music competitions and has qualified for performance opportunities at the State of Michigan. The marching band has made multiple appearances in America's Thanksgiving Day Parade in Detroit.

Science courses have been aligned with the objectives tested in the Michigan Merit Exam and the Michigan Merit Curriculum. As required by the Michigan Merit Curriculum, all students must complete three credits of science, including biology, chemistry and physics. The department also offers two advanced placement courses in biology and chemistry as well as courses in Human Anatomy SMIC: Support, Movement, Integration, and Control**,** Human Anatomy RMRD: Regulation, Maintenance, Reproduction, and Development , Zoology or Laboratory Biology.

Social Studies course sequences have been adjusted to address the Michigan Merit Curriculum and the Michigan Merit Exam. Advanced Placement Human Geography or Economics are courses taught in the 9th grade curriculum. United States History and Geography follows in the 10th grade. World History and Geography class is required during junior year. The department offers five Advanced Placement courses in United States History, European History, World History and Government besides Human Geography. Impact on Government is the senior social studies course, the final social studies requirement, focusing on local politics and government and teaching students to be active and engaged citizens.

The **Visual Arts** Department has enhanced its foundation program to include courses in advanced skills such as Portfolio Preparation, Ceramics, 3-D Design Studio, Mixed Media Studio, and Color Studio. Instruction culminating with the preparation of a portfolio has prepared students for further study and job placement beyond high school. In addition, the Visual Arts department becomes involved in a wide array of community based initiatives and cross-curricular projects.

In addition to instruction through specific subject area courses, the **Special Education** Department has incorporated an expanded Co-Teaching model so that special education students can be included in the general education classroom. The Cognitively Impaired program has implemented a school-to-work initiative, Creative Inspirations, where students run a small business. There is also a pre-vocational work experience program that matches students with community businesses and organizations for job placement opportunity. Finally, during the 2011-2012 school year, Allen Park High School successfully implemented a center-based autism spectrum disorder (ASD) classroom. The ASD program has a well-developed peer-to-peer mentoring program called LINKs. General education students, with an interest in pursuing special education as a career, are trained to accompany ASD students into the general education classroom for a better transition and result.

Through effective instruction and enthusiasm for learning, the **World Language** program in French and Spanish has grown from five sections to twenty. Students pursuing advanced study in Spanish can also take part in an Advanced Placement Spanish or College Prep Spanish.



Business

and Technology Pathway

Business Administration

Average Salary $75,829
Range $28K to $154K

- Accounting 1 & 2 (CTE)
- Business, Marketing & Finance 1 & 2 (CTE)
- Personal Finance 1 & 2
- General Merchandising - School Store (CTE)
- Computer Applications
- Business Math 1 & 2

Information Technology

Average Salary $66,000
Range $61K to $175K

- C Programming (CTE)
- Python 1 & 2 (CTE)
- Digital Multi Media 1 – Web Design (CTE)
- Digital Multi Media 2 – Video Production (CTE)
- Database Fundamentals (CTE)

Completion of a CTE program may serve as a substitute for other requirements under the Michigan Merit Curriculum.

DEPARTMENTAL OFFERINGS
BUSINESS AND TECHNOLOGY
CAREER AND TECHNICAL EDUCATION

The following courses are a recommended course of student in the Business Services and Technology Department.

9th/10th Grade	11th Grade	12th Grade
Computer Applications Microsoft Academy I Microsoft Academy II Accounting 1 - CTE Accounting 2* - CTE Personal Finance 1 Personal Finance 2 Business, Marketing & Finance 1 - CTE Business, Marketing & Finance 2 - CTE Internet/Website Digital Multimedia 1 - Web Design CTE Digital Multimedia 2 - Web Design CTE Data Base Fundamentals Creative Coding thru Games & Apps – CTE HTML 5 Development - CTE Software Development** – CTE	Computer Applications Digital Multimedia 1 - Web Design CTE Digital Multimedia 2 - Web Design CTE Microsoft Academy I Microsoft Academy II Accounting 1 - CTE Accounting 2* - CTE Personal Finance 1 Personal Finance 2 Business Law 1 Business Law 2* Business, Marketing & Finance CTE Business, Marketing & Finance 2 CTE C Programming** Coding thru Games & Apps – CTE Data Base Fundamentals HTML 5 Development – CTE Java Programming Fundamentals** - CTE Python 1 & 2 ** - CTE Software Development** – CTE	Computer Applications Digital Multimedia 1 - Web Design CTE Digital Multimedia 2 - Web Design CTE Microsoft Academy I Microsoft Academy II Accounting 1 - CTE Accounting 2* - CTE Business Math 1 Business Math 2 Personal Finance 1 Personal Finance 2 Business Law 1 Business Law 2* Business, Marketing & Finance 1 Business, Marketing & Finance 2 General Merchandising* Computer Pathways C Programming ** Coding thru Games & Apps – CTE Data Base Fundamentals HTML 5 Development - CTE Java Programming Fundamentals**-CTE Python 1 & 2** - CTE Software Development **– CTE
** **Need Prerequisites**		

712 - COMPUTER PATHWAYS Year 1 Credit
Grades 9 – 12
This course is composed of basic computer and life application skills using Microsoft Office. The area of computer applications includes word processing, spreadsheets and PowerPoint. In addition, record keeping skills, communication, math, career planning, resource management, note taking, and study skills are among the units studied. **This class satisfies the APHS computer requirement for graduation.** ARTS BUSINESS **TECH** HEALTH H.S. NR

720 - COMPUTER APPLICATIONS Semester ½ Credit
Grades 9 – 12
Students will use a computer to develop basic computer skills for personal and business use. Students will use word processing, spreadsheet and charting activities, and presentations to prepare a variety of documents. In addition to the applied computer skills, students will utilize this technology to enhance communications skills. Students will also develop research skills through Internet use. ARTS BUSINESS **TECH** HEALTH H.S. NR

CAREER AND TECHNICAL EDUCATION

The career and technical education programs follow the Michigan Career Pathways model which focuses students on making informed career preparation decisions for college and career success. Career and technical education programs provide rigorous and relevant learning that enables students to effectively compete in an expanding global economy. Although each program offers unique opportunities, the hallmark of the career and technical education is to provide students with the technical skills, relevant academic skills, career employability skills and 21st century skills needed for success in both college and career. In order to best prepare students for post-secondary success, career and technical education programs have begun to offer free articulated college credit specific to the technical program. Additionally, specific programs have met the standard to offer the certain academic credits, specifically for the visual, performing, and applied arts and the fourth year related math credit requirement. Please check individual course description for more information.

**Completion of a CTE program may serve as a substitute for other requirements under the Michigan Merit Curriculum **

329DM - DIGITAL MULTIMEDIA 1 / Web Design I
(Formerly Internet/Website) Semester ½ Credit
Grades 9 - 12
Prerequisite: Knowledge of keyboarding and Microsoft Word preferred.
**This course will satisfy the visual, performing or applied arts graduation requirement.
This course will introduce students to Web Design and Video Production. In Web Design the student will learn how to create and maintain a web site using HTML and Adobe Dreamweaver. Want to make extra money? Sell items for family or friends on Ebay? The student will also be exposed to selling on Ecommerce by creating advanced selling listings that could be used on Ebay or Craigslist. Students will experience filming, editing, and directing a variety of video projects. These projects will include music videos, commercials, instructional videos, short movies, and television shows. This is a very hands course with heavy focus on learning basic equipment and editing software. ARTS BUSINESS TECH CTE

700DM - DIGITAL MULTIMEDIA II – Video Production
(Formerly Video Editing) Semester ½ Credit
Grades 9 - 12
**This course will satisfy the visual, performing or applied arts graduation requirement
Digital Multimedia 1 is not required to take Digital Multimedia 2 but highly recommended. In this course the student will go into greater detail about maintaining web sites and development. The student will also be introduced to learning how to fly, tune and capture Ariel footage using a drone. TECH CTE

013CTE – CAREER TRAINING
Grades:11-12
Prerequisite: CTE-approved course
This work-based learning/career training experience allows students to connect what they learn in school, develop skills, and develop attitudes to succeed in the global workforce and/or post-secondary education after graduation.
This Work Based Learning/Career Training experience offers students an opportunity to:

- **Connect what they learn in school to real-world applications and career paths.**
- **Develop skills and attitudes necessary to be successful in the workplace and future endeavors.**
- **Gain practical, hands-on experience in a specific field of interest.**
- **Explore potential career options and make informed decisions about their future.**
- **Build a professional network and establish connections with industry professionals.**
- **Enhance their resume and increase their employability.**
- **Improve their critical thinking, problem-solving, and communication skills.**
- **Foster a sense of responsibility, independence, and professionalism.**
- **Gain a deeper understanding of workplace culture and expectations.**
- **Further develop their teamwork and collaboration skills.**
- **Increase their self-confidence and self-awareness.**
- **Apply academic knowledge to solve real-world problems.**
- **Bridge the gap between education and employment.**

Each student will find his or her own employment placement in an area where the student's skills, interests, and educational training align with his or her future goals. Students must work a minimum number of hours per month and must show a record of hours worked. Students must provide their own transportation. Career Training students must take one of the following courses concurrently: General Merchandising, Autos 3 or Autos 4, or Construction Trades.

722 - ACCOUNTING 1
Satisfies 4th year math credit
Grades 10 – 12 Semester ½ Credit
Accounting is the language of business. Knowledge of accounting enhances career opportunities regardless of the individual's chosen field. This class provides an excellent foundation for college level courses involving multiple aspects of business. Topics include an introduction to double entry accounting. This course will introduce the student to accounting vocabulary and techniques by progressing through the accounting cycle for a Service Business. Students will also set up a business using an Accounting software program. BUSINESS **TECH** *CTE*

724 - ACCOUNTING 2
Grades 10 – 12 Semester ½ Credit
Satisfies 4th year math credit
Prerequisite: Successful completion of Accounting 1
This class is a continuation of Accounting 1. The course will introduce the student to accounting vocabulary and techniques by progressing through the accounting cycle for a Merchandising Business. Students will also set up a business using an Accounting software program. BUSINESS **TECH** *CTE*

704 - BUSINESS, MARKETING AND FINANCE 1
Grade 10 – 12 Semester ½ Credit
Business and commerce drive the world's economy and have the greatest impact on our lives, locally and globally. This course focuses on careers that direct financial, human and material resources towards a goal of profitability. If you want to own your own business or pursue a Business degree in college, this course is designed for you. The course will help you develop talents, abilities and basic business skills to be prepared for a variety of business related career paths. The completion of Business, Marketing and Finance 1 and 2 are required to work in the student store. BUSINESS **TECH** *CTE*

705 - BUSINESS, MARKETING AND FINANCE 2
GRADE 10 – 12 Semester ½ Credit
Business Marketing and Finance 1 are not required to take Business, Marketing and Finance 2 but highly recommended. This course will empower students with essential skills for entering today's competitive workforce. Planning on having a career in sales, marketing, service or owning your own business, then this course is designed for you. Students will learn manufacturing costs, marketing sales and advertising budgets. The students will also examine the most efficient techniques to allocate resources such as staff and inventory. The completion of Business, Marketing and Finance 1 and 2 are required to work in the Student Store. **TECH**

751/752 - GENERAL MERCHANDISING
Grade 12 Year 1 Credit
Prerequisite: Teacher Permission **This course will satisfy the visual, performing or applied arts graduation requirement.
This course will provide students with an opportunity to study curriculum related to marketing and retail as well as participate in school-related activities that will incorporate the skills learned. Units of study include marketing, accounting inventory control, analysis of products, consumer interest, communication, customer service and advertising. Students will manage the school store and be accountable for all components of the business, including buying and selling, analysis of market trends, display design, advertising, and other components necessary to operating a store. Students are expected to work in the school store before the first hour bell, during A and B lunches, and at numerous after school events, including but not limited to Parent Teacher Conferences, Meet the Teacher Night and 8th Grade Orientation. **TECH**

MICROSOFT IMAGINE ACADEMY

Students enrolling and passing the courses in the Academy have the opportunity to take the Microsoft Certification Exam associated with the content. Upon successfully passing the Microsoft Certification Exam, students will receive an industry recognized certification in that area content.

Microsoft Office Certifications

★ Starred circles indicate the existence of a corresponding Microsoft certification exam.



330 - MICROSOFT ACADEMY I **Semester** **½ Credit**

Grades 9-12

Do you want to obtain Microsoft Office Certification? Students in the Microsoft Imagine Academy benefit from a world-class Microsoft curriculum and software tools to tackle real-world challenges in the classroom environment. Students will learn to use Microsoft Word 2016 interface, commands, and features to create, enhance, customize, share and create complex documents and publish them. By the end of this course, students are expected to earn industry recognized certifications in Microsoft Word and Microsoft Word Expert.

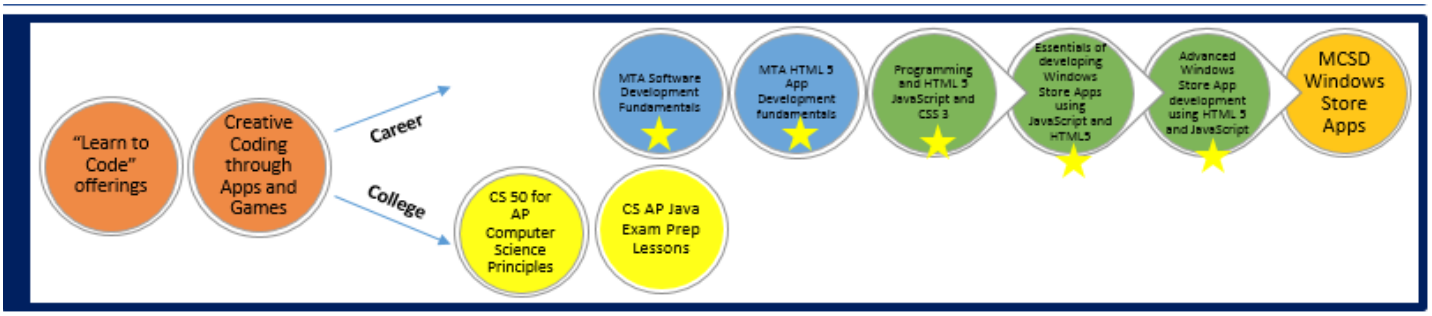
331- MICROSOFT ACADEMY II **Semester** **½ Credit**

Grades 9-12

Do you want to obtain Microsoft Office Certification? Students will learn to use Microsoft Excel 2016 interface, commands, and features to create real-world spreadsheets using formulas, graphs and charts; Microsoft PowerPoint 2016 interface, commands, and features to create, enhance, customize and deliver presentations. By the end of this course, students are expected to earn industry recognized certifications in Microsoft Excel and PowerPoint 2016.

Computer Programming/Science

Starred circles indicate the existence of corresponding Microsoft certification exam.



PROGRAMMING SEQUENCE – Courses are 1 semester in length.

#1

Course
PYTHON 1
Grades 10-12 **½ credit**

OR

Course 706
Q BASIC PROGRAMMING
Grades 9-12 **½ credit**

#2

Course
PYTHON 2
Grades 10-12 **½ credit**

OR

Course 328
C PROGRAMMING
Grades 10-12 **½ credit**

#3

Course 755
SOFTWARE DEVELOPMENT FUNDAMENTALS 1
Grades 10-12 **½ credit**

Course 756
SOFTWARE DEVELOPMENT FUNDAMENTALS 2
Grades 10-12 **½ credit**

328 - C PROGRAMMING Semester ½ Credit
Grades 10 - 12
Prerequisite: *Successful completion of either Creative Coding **or** Q Basic Programming*
A course designed to introduce the student to the C programming language. The purpose is to develop skills in flow charting, programming structures and programming commands when used with string and numeric variables in the most popular programming language used by developers of computer applications for computers that operate under a Graphical User Interface. Assessment will be made through the use of tests, as well as homework assignments and long term projects that allow the student to demonstrate his/her proficiency in operating a computer and developing a project from concept to final product individually and as a team member. *(NCAA)* BUSINESS **TECH** *CTE*

356 - INDEPENDENT STUDY - COMPUTER SCIENCE Semester ½ Credit
Grades 11 - 12
Prerequisite: B or better in previous computer science course and permission of computer coordinator.
Students will have opportunity to research and develop computer science topics of personal interest. All projects will be under the direction of the computer coordinator. Projects may include evaluating and adapting software, writing original computer programs, hardware modification and repair, and writing reviews of current computer literature. A weekly log and a written final report will be required. All Independent Studies are reviewed by a committee of adults at the end of the semester in order to assure that the criteria for an Independent Study have been met BUSINESS **TECH**

706 - Q BASIC PROGRAMMING Semester ½ Credit
Grades 10 – 12
Prerequisites: none
This course presents the basic building blocks of computer logic and the construction of simple BASIC programs using that logic. Using problem-solving techniques, students will create appropriate solutions to simple business problems and then convert these solutions into BASIC programs using a structured style. Students will also learn data flow concepts. *(NCAA)* BUSINESS **TECH** *CTE*

707 - VISUAL BASIC PROGRAMMING Semester ½ Credit
Grades 10 – 12
Prerequisite: *Successful completion of either Creative Coding or Q Basic Programming*
Programming with Microsoft Visual Basic for Windows is designed as a beginning programming course. This course teaches programming concepts using a task-driven rather than a command-driven approach. Students will explore the fundamentals of object-oriented programming and designing applications they are likely to encounter in the workplace. BUSINESS **TECH**

753 - DATABASE FUNDAMENTALS (MTA)
Grades 10-12 Semester ½ Credit
Prerequisites: Computer Applications or Microsoft Imagine Academy
This database training for beginners introduces and defines the terminology, concepts, and skills you need to understand database objects, security requirements, graphical tools, T-SQL scripts, and writing database queries, in addition to executing stored procedures. The database training course is designed for individuals seeking to learn database fundamentals, including relational databases, database management systems, and database components.

754 - CREATIVE CODING THROUGH GAMES & APPS (CCGA)
Grades 9 – 12 Semester ½ Credit
Prerequisites: none
A first course introduction to Touch Development programming. Students learn how to code by working in a real software development environment to design, program and publish mobile apps and games. Learning to code by creating real products, students discover how to make amazing things and have an impact on their world. *CTE*

755 - SOFTWARE DEVELOPMENT FUNDAMENTALS 1 (MTA)
Grades 9 – 12 Semester ½ Credit
Prerequisite: Successful completion of Creative Coding *or* Q Basic Programming **and** C Programming *or* Visual Basic Programming
The MTA certification program is designed specifically for secondary and post-secondary students interested in exploring academic and career options in a technology field. It offers students a certification in basic IT and development. As the new recommended entry point for Microsoft technology certifications, MTA is designed especially for students new to IT and software development. Introduction to Programming using C# and Introduction to Object-Oriented Programming is covered. *CTE*

756 - SOFTWARE DEVELOPMENT FUNDAMENTALS 2 (MTA)
Grades 10 – 12 Semester ½ Credit
Prerequisite: Successful completion of Software Development 1
The MTA certification program is designed specifically for secondary and post-secondary students interested in exploring academic and career options in a technology field. It offers students a certification in basic IT and development. As the new recommended entry point for Microsoft technology certifications, MTA is designed especially for students new to IT and software development. Understanding Web Applications, Understanding Desktop Applications, and Understand Databases are covered. *CTE*

757 - HTML5 APPLICATION DEVELOPMENT FUNDAMENTALS
Grades 10 – 12 Semester ½ Credit
Prerequisite: Successful completion of Software Development Fundamentals 1 & 2
HTML5 is the latest HTML standard and a family of technologies that includes HTML CSS, and JavaScript. Although the HTML5 standard won't be finalized for a few years, most modern Web browsers already support HTML5 elements, and HTML5 app development for Web and mobile device browsers is well underway. *CTE*

708 - PYTHON PROGRAMMING 1
Grades 10 – 12 Semester ½ Credit
Prerequisite: None
In Python 1, students will learn the fundamentals of the Python Programming Language. This includes learning the syntax and basic structures in the Python language that will aid you in making basic programs, as well as provide the fundaments for more advanced coding in Python 2. *(NCAA)* BUSINESS **TECH** *CTE*

709 – PYTHON PROGRAMMING 2
Grades 10 - 12 Semester ½ Credit
Prerequisite: Successful completion of Python 1 & Teacher approval
Python 2 will add project-based learning and hands-on engagement. Students will apply the skills that were learned in Python 1 as well as new information to program functioning robots to perform tasks. These functions include the use of the more advanced data structures to allow more advanced control over the robots.
(NCAA) BUSINESS **TECH** *CTE*

763-764 - ADVANCED PLACEMENT COMPUTER SCIENCE PRINCIPLES Year 1 Credit
Grades 10 – 12
Prerequisite: Teacher Approval
This course uses the curriculum associated with code.org. This course will cover topics including the Internet, Big Data and Privacy, Programming and Algorithms. This is a flexible curriculum that can be taught as an AP or non-AP course. Students will learn how to pair program to create many useful and fun apps together. All work is submitted through our code.org classroom. Despite this being a computer science class, there are many opportunities for unplugged hands-on projects that will help us learn the big ideas associated with computer science.

309 - BUSINESS MATH 1 Semester ½ Credit
Satisfies 4th year math credit
Grades 10 - 12
This Business Math course will empower students with essential skills for entering today's competitive workforce. Planning on having a career in sales, marketing or service, then this course is highly recommended. Students will learn manufacturing costs, marketing sales and advertising budgets. The student will also examine the most efficient techniques to allocate resources such as staff and inventory. Students will also examine ways to analyze profit and loss statements.

310 - BUSINESS MATH 2
Satisfies 4th year math credit Semester ½ Credit
Grades 10 - 12
This course includes understanding income and how career choices affect future income; money management, using a checking account and keeping good records as well as creating a financial plan; spending and credit, options and strategies for saving and investing. Students will also explore management styles, the stock market from a business perspective, including percentages, inventory, depreciation, cash and trade discounts, simple interest, mark-on, distribution of overhead and money management techniques. The knowledge and skills students learn through this class will help them make good financial decisions now and in the future.

404P - PERSONAL FINANCE 1 Semester ½ Credit
Satisfies 4th year math credit
Grade 10-12
Understanding and managing personal finances is the key to future financial success. This knowledge can maximize an individual's earning potential. This class is designed to inform students of various financial responsibilities in life. Students continuing their education or entering the workforce will face a robust marketplace of financial products and services. Part one of this course will examine gross pay, deductions from gross pay, federal and city taxes, employment benefits, and analyze net pay. Part two will introduce checking accounts, saving accounts, electronic banking, check register reconciliation, money markets, certificate of deposit accounts and annuities.

405P - PERSONAL FINANCE 2 Semester ½ Credit
Satisfies 4th year math credit
Grade 10 - 12
You do not need to take Personal Finance 1 to take Personal Finance 2.
Personal Finance 2 will continue to inform the student about managing their hard earned money. The Personal course will concentrate on credit card costs, finance charges, cash advances and debt management. The student will compare owning a home as opposed to renting a home, buying or leasing a car. In addition, we will investigate the costs incurred when owning a home or car and the process required to make such investments.

732 - BUSINESS LAW 1 Semester ½ Credit
Grades 10 - 12
Prerequisite: none
Business Law 1 is an introduction to the basic characteristics of the American legal system for everyday living. Emphasis will be placed on the four kinds of law (i.e. constitution, case, statutory, and administrative) as they pertain to law enforcement, the courts, crimes and contracts. Additionally, the course will contain a "Law in the Literature" component wherein the student will discover and examine current legal issues as presented in the print media. *(NCAA)* BUSINESS

734 - BUSINESS LAW 2 Semester ½ Credit
Grades 10 - 12
Prerequisite: Successful completion of Business Law 1 or teacher permission
This class is a continuation of Business Law 1. Major topics include commercial paper, legal implications of employment, debtors, creditors, and secured property insurance, and real property. Students in this course will participate in an independent project. *(NCAA)* BUSINESS

751/752 - GENERAL MERCHANDISING
Grade 12 Year 1 Credit
Prerequisite: Teacher Permission
**This course will satisfy the visual, performing or applied arts graduation requirement.
This course will provide students with an opportunity to study curriculum related to marketing and retail as well as participate in school-related activities that will incorporate the skills learned. Units of study include marketing, accounting inventory control, analysis of products, consumer interest, communication, customer service and advertising. Students will manage the school store and be accountable for all components of the business, including buying and selling, analysis of market trends, display design, advertising, and other components necessary to operating a store. Students are expected to work in the school store before the first hour bell, during A and B lunches, and at numerous after school events, including but not limited to Parent Teacher Conferences, Meet the Teacher Night and 8th Grade Orientation. **TECH**

941 - WORK EXPERIENCE 1 Semester or 1 Year ½ – 1 Credit
GRADES 11 - 12
Prerequisite: Department permission
This course is designed to give the students hands-on experience in the world of work. Students are required to have a contract signed by their employer, their parents, the vocational consultant and themselves. It is the responsibility of the students to have their timesheets verified and signed by their employer and to turn in evaluations by their employer. This is an elective course and is generally done after regular school hours. The minimum five hour per week work schedule is completed after regular school hours.

DEPARTMENTAL OFFERINGS
ELECTIVES/CAREER AND TECHNICAL EDUCATION

Two (2) semesters (1 credit) is required in the visual, performing or applied arts.

AUTO TECHNOLOGY AUTO TECHNOLOGY AUTO TECHNOLOGY

All courses in the Auto Technology section can be counted for the applied arts credit.

The Automotive Technology Program is accredited by NATEF, The National Automotive Technicians Education Foundation, an organization that examines the structure, resources and quality of automotive training programs and evaluates them against national industry standards. Upon completion of this multi-year program, students have the opportunity to be ASE Student certified by taking and passing the ASE Student Certification test.

844 - AUTO ELECTRICAL Semester ½ Credit
Grades 9 - 12
This course will deal with automotive electrical circuits. Students will become familiar with electrical principles and the various methods of producing electricity. The use of electrical test equipment will be stressed along with testing automotive electrical circuits. **TECH**

820 - SMALL ENGINES Semester ½ Credit
Grades 9 - 12
This class is a study of the small engine. This course will include the principles and operation of two and four-cycle engines, carburetion, ignition, and basic maintenance, and repair of both two and four cycle internal combustion engines. **TECH**

830 - AUTOMOTIVE DETAILING Semester ½ Credit
Grade 11 - 12
This class will give students an opportunity to experience some of the latest trends in the automotive field. Course content will include interior and exterior cleaning, reconditioning, touch-up, minor repair, air brushing and pin-striping. Clean, inspection, touch-up and powder coating the engine compartment will be also be covered. **TECH**

831/832 - AUTO 1 Year 1 Credit
Prerequisite: Must be 15 years old
Auto I is a study of automotive fundamentals with emphasis on minor repair and preventative maintenance. This includes tune-ups, brakes, cooling system, lubrication and vehicle service. **TECH** *CTE*

842/843 - AUTO 2 Year 1 Credit
Prerequisite: Auto 1
This course will reinforce material from Auto 1 and introduce more technical areas of servicing. The areas include welding, valve grinding, brake lathe operation, exhaust analysis, wheel alignment, air conditioning, oscilloscope operation, fuel systems and scan tools. **TECH** *CTE*

847/848 - AUTO 3 Year 1 Credit
Grade 11 -12
Prerequisite: Auto 2 and permission of instructor
Auto 3 is a combined student/instructor program. The course will include some instruction, major automotive repairs, shop maintenance, and shop projects for future shop use. **TECH** *CTE*

849/850 - AUTO 4 Year 1 Credit
Grade 12
Prerequisite: Auto 2 and teacher permission. Auto Independent Study provides an opportunity for a student to further pursue a specialized area during regularly scheduled classes. The student will assist the auto instructor with Auto I students. **TECH** *CTE*

DRAFTING/CAD/ARCHITECTURE DRAFTING/CAD/ARCHITECTURE

All courses in Drafting/CAD/Architecture section can be counted for the applied arts credit.

812 - DRAFTING Semester 1/2 Credit
Grades 9 - 12
Drafting is an attempt to develop visual perception. The course strives to stimulate space understanding and communication through the graphic language. Students will engage in hands-on activities to illustrate the concepts and techniques associated with the following topics: measuring, fractions, lettering, geometric construction, view projection, dimensioning, and isometric drawings *ARTS* **TECH**

835 - ARCHITECTURE 1 Semester 1/2 Credit
Grades 9 - 12
This course will cover the basic fundamental skills and concepts of architectural planning, design and drawing. Students in this course will create drawings using Softplan Architectural Design Software. Areas that will be covered: architectural designs, room/space planning, architectural drawings/plans, construction systems and building codes. *ARTS* **TECH**

837 - ARCHITECTURE 2 Semester 1/2 Credit
Grades 9 – 12
Prerequisite: Architecture 1
This is an extension to Architecture 1. Students will continue to use Softplan Architectural Software along with Revit and Autocad both traditional methods along with the Softplan Architectural Design Software to produce drawings and projects. Throughout the course, students will create a basic set of home plans. Architecture modeling will also be covered. *ARTS* **TECH**

840 - CAD Semester ½ Credit
Grades 9 - 12
The course introduces Computer Aided Drafting and examines the hardware that makes up a CAD workstation. It shows how to use auto-cad to set up a drawing, add lines, sections, hatches, circles, and other, geometric constructions, text and dimensions. Students will use display and editing techniques as well as obtain information about their drawings and work with drawing files. Careers will also be covered. *ARTS* **TECH**

841 – 3D DESIGN CAD 1 Semester ½ Credit
Grades 9-12
Prerequisite: CAD
This course will teach students the fundamentals of drawing mechanical components using 3D software called Solidworks. Students will learn tools and techniques of using Solidworks while also learning to draw mechanical parts. This class will be entirely computer based. Students interested in careers in manufacturing, construction, architecture and engineering should take this course. ARTS **TECH**

846 – 3D DESIGN CAD 2 Semester 1/2 Credit
Grades 10 - 12
Prerequisite: 3D Design CAD 1
This course will continue to use the Solidworks program. Students will draw solid, 3D models, a range of assemblies, and create presentations using the Solidwork software. The class will focus on the student's problem solving skills as a draftsman. Careers are covered. ARTS **TECH**

WOODWORKING WOODWORKING WOODWORKING

All courses in Woodworking section can be counted for the applied arts credit.

821 - DESIGN AND STRUCTURES Semester ½ Credit
Grades 9 – 12
Students will design and build small structures with a variety of materials to meet specific requirements. The structures will be evaluated through several testing methods, most often failure analysis. This course will introduce students to Google Sketchup Software to create mechanical parts and interior designs. Students interested in careers in, manufacturing, construction, architecture, and engineering should take this course. **TECH**

822 - HOME REPAIR Semester ½ Credit
Grades 9 – 12
Students will be introduced to the processes and procedures typically used in the field of residential construction. Students will construct scale walls to include plumbing, electrical, and interior wall finish. Students will gain experience in design, drywall repair, framing, permit process, material selection, residential mechanical systems, and a variety of interior floor and wall finishing. **TECH**

823 - CABINET MAKING Semester ½ Credit
Grades 9 – 12
Students will be introduced to the design and construction of cabinetry found in the furniture industry. Students will be required to design and build a cabinet for their personal use. Example projects include nightstands, toy boxes, hope chests, file drawer cabinets. **TECH**

824 - FURNITURE MAKING Semester ½ Credit
Grades 9 – 12
Students will be introduced to the design and construction of residential furniture. Students will be required to design and produce a piece of furniture for their personal use. Example projects include coffee tables, end tables, computer desks, and bookcases. **TECH**

825 - DORM ROOM FURNITURE Semester ½ Credit
Grade 12
Students will design and build a piece of compact furniture for use in a typical college dorm room. Examples include a computer desk, bookcase, nightstand and small storage locker. Students can also build lofts with approved plans from the university they intend on attending. (Most major universities offer plans with structural detail on their websites.) **TECH**

815/816 - WOODWORKING 1 Year 1 Credit
Grades 10 – 12
Prerequisite: Introductory Woodworking or Furniture making or Cabinetmaking
This course will continue with the study of woods by allowing the students to create larger and more complex projects. The course will cover lamination, cabinetry, finishing techniques, plastic laminates, adhesives, machine safety, machine maintenance, and principles of design. **TECH**

817/818 - WOODWORKING 2 Year 1 Credit
Grades 11 - 12
Prerequisite: Woodworking 1
This course will continue with the study of woods. This course will provide experiences with complex woodworking machinery, thickness sanding, overarm routing, and using the shaper. These techniques will be used to produce cabinets and complex projects, and pattern making. **TECH**

819/819-2 - WOODWORKING 3 Year 1 Credit
Grades 11 - 12
Prerequisites: Woodworking 1, concurrent enrollment in Woodworking 2, and instructor's permission
This course will continue with the study of woods. The student will use this class to work on projects from the Woodworking 2 class and assist the instructor with maintaining machinery and the facility. The student will also assist with the design and building of projects designed for classroom use. **TECH**

855 - WOODWORKING - INDEPENDENT STUDY Year 1 Credit
Grade 12
Prerequisites: Woodworking 2 or concurrent enrollment in Woodworking 2, instructor's permission
This course will continue with the study of woods. The student will use this class to work on projects from the Woodworking 2 class and assist the instructor with maintaining machinery, helping students with their projects, and maintaining the facility. **TECH**

860/861 - CONSTRUCTION TRADES 1 Year 1 Credit
Grades 10, 11, & 12
Prerequisite: Drafting or Woods
Students will be introduced to practices and procedures common to modern construction techniques. The course will cover blue print interpretation, new construction, renovation, and general home repairs. Students will be required to design and build a storage shed to meet all current local and state building codes. **TECH** *CTE*

862/863 - CONSTRUCTION AND BUILDING MAINTENANCE Year 3 Credits
Grades 11 - 12
Prerequisite: Construction Trades 1 or Instructor's Approval
This course is designed for the student interested in pursuing a career in the area of residential contracting or home repair. Students will be introduced to practices and procedures common to modern residential construction techniques. Course will cover demolition, blue print interpretation, new construction, renovation, and general home repair. This course meets three hours per day. **TECH**

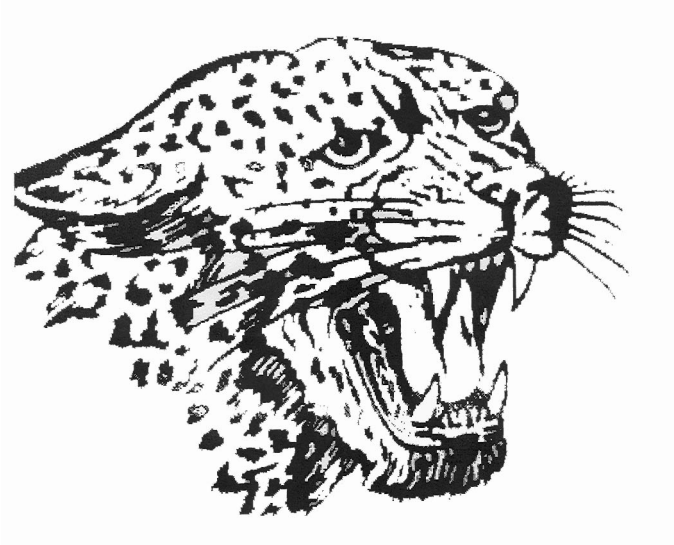
864/865 - CONSTRUCTION TRADES 2 Year 1 Credit
Grades 11 - 12
Prerequisite: Construction Trades 1 or Instructor's Approval
This is a site-based class that will require students to work in true job setting. Students will be introduced to practices and procedures common to modern construction techniques. The course will cover demolition, blue print interpretation, new construction, and renovation. Students will be required to build residential structures that do not require an occupancy permit from architectural drawings to meet all current local and state building codes. This course meets three hours per day. **TECH** *CTE*

866/867 - CONSTRUCTION TRADES 3 Year 1 Credit
Grade 12
Prerequisite: Construction Trades 2 and Instructor's Approval
This course is the final sequence for a student choosing to pursue a career in the field of construction. Students must apply to the instructor to enroll in this class. All instruction takes place on the job site where students will work to complete the building of an actual house. Students will be introduced to practices and procedures common to modern residential construction techniques covering all aspects of home construction from permit application to warranty repairs. This course meets three hours per day. **TECH** *CTE*

868/869 - CONSTRUCTION TRADES – COMMERCIAL CABINET & COUNTERTOP MAKING
Grade 11 - 12 Year 1-3 Credits
Prerequisite: Intro Woods
Students will learn how to lay out and design cabinets to custom fit a designated area related to the commercial industry. The program will transform raw materials to finished products such as store display fixtures, greeting counters, storage units, and kitchen serving areas. Upon completion of this program students should be able to gain entry level positions in the field of cabinet making. **TECH**

880 - INTRODUCTION TO ENGINEERING Year 1 credit
Grades 9-12
This course uses problem-solving skills to explore creative designs and alternative solutions for problems facing our world today by using a design system approach. Students will design, analyze and communicate possible solutions to a variety of environmental and technological problems. 3-dimensional models will be created using solid modeling computer design software. Possible tools include laser engraving and rapid prototyping.

881 - PRINCIPLES OF ENGINEERING (POE) Year 1 credit
Grades 9-12
Prerequisite-Introduction to Engineering Design
Principles of Engineering is a full-year course designed to be a high school student's second exposure to the PLTW Engineering program. This course introduces students to engineering concepts that are applicable to a variety of engineering disciplines and empowers them to develop technical skills through the use of engineering tools such as 3-D modeling software, hands-on prototyping equipment, programming software, and robotics hardware to bring their solutions to life. Students apply the engineering design process to solve real-world problems across a breadth of engineering fields such as mechanical, robotics, infrastructure, environmental sustainability, and product design and development.



DEPARTMENTAL OFFERINGS
ELECTIVES

717/719 - FRESHMAN FOCUS Year ½ Credit
Grade 9
Prerequisite: Teacher recommendation determines class roster
This course is designed to ease the transition from middle school to high school and help students develop a four-year high school plan as well as a vision for their future. We know the increased pace and rigorous high school curriculum can sometimes be overwhelming for ninth graders. In this class, students will learn about good work/study habits, time management strategies, setting goals, making good decisions and developing a plan after high school.

715 - LEADERSHIP Semester ½ Credit
Grade 10-12
This course is intended for students who wish to pursue leadership roles within student organizations. The purpose of this course is to create learning opportunities and experiences that will provide students with the knowledge, attitudes, and skills necessary to assume leadership positions in school, in the workforce, and in the community. Emphasis will be two-fold: The creation and presentation of school programming, especially to underclassmen, and the development of service projects that have the potential to benefit the community at large. This class will help young adults gain a better understanding of leadership and its application to one's daily life as a student and citizen.

961/962 - PEER TO PEER Semester ½ Credit
Grades 11-12
The Peer-to-Peer (LINKs) course is representative of one model of 21st Century instructional design that incorporates applied (experiential) learning in a non-traditional manner. Peer mentor's model ongoing expected social and academic behaviors in educational environments to their mentee (a student with an individualized education program (IEP)). The peer mentor will be paired with a mentee in one of the mentee's classes and during this time the mentor will help assist the mentee with social, emotional, behavioral, communication, and academic strategies. Both students derive immeasurable benefits. Students are expected to complete weekly assignments through the Google Classroom platform, which educates them on socio-emotional/behavioral strategies, communication strategies, characteristics of autism spectrum disorder, and characteristics of individuals with varying abilities. Skills gained include empathy, problem solving, leadership, acceptance, diversity, and patience. Interested students are invited to fill out an application that can be obtained in the counseling office. (limited spots available)

DEPARTMENTAL OFFERINGS
ENGLISH LANGUAGE ARTS

Eight semesters (4 credits) of English are required.

Each **freshman** is required to take English Language Arts 9 or Honors English Language Arts 9, a year-long course. Both are year-long courses.
Each **sophomore** is required to take English Language Arts 10 or AP Seminar (pending board approval). Both are year-long courses.
Each **junior** is required to take English Language Arts 11 or Advanced Placement Language and Composition or AP Literature. All are year-long courses.
Each **senior** is required to take two semesters of elective English. Certain elective courses are open to students beginning in their sophomore year.
REMINDER – Courses cannot be counted for two separate graduation requirements.

DEPARTMENTAL OFFERINGS
ENGLISH LANGUAGE ARTS

	Grade 9	Grade 10	Grade 11	*Grade 12	
Required	English Language Arts 9 or **Honors English Language Arts 9	English Language Arts 10 or **AP Seminar (Pending Board Approval)	English Language Arts 11, or **AP Language and Composition or **AP Literature	Two semesters	
Electives		Speech Drama 1 *Drama 2 Shakespeare Methods of the Media Debate	Speech Debate Drama 1 *Drama 2 Creative Writing **Newspaper Journalism Shakespeare World Mythology Workplace Writing Methods of the Media Novels Creative Writing AP Seminar	Speech Debate Creative Writing **Newspaper Journalism **Advanced Placement Literature Senior Composition **AP Language Workplace Writing	Drama 1 Drama 2 Shakespeare World Mythology **Advanced Placement Literature, Novels, **AP Language Senior Composition, Intro to Philosophy

104/106 - ENGLISH LANGUAGE ARTS 9 Year 1 Credit
Grade 9
Prerequisite: None
English Language Arts 9 is a year-long class which will focus on a thematic multi-genre units integrating communications processes such as reading, writing, listening, speaking, and viewing as well as literary analysis. Tests, quizzes, writings, class discussions, and special projects (both written and oral) determine the students' grades. *(NCAA)*

HH104/HH106 - HONORS ENGLISH LANGUAGE ARTS 9
Grade 9 Year 1 Credit
Prerequisite: None
Honors English Language Arts 9 is a year-long class which will focus on the thematic multi-genre units integrating communication processes such as reading, writing, listening, speaking, and viewing as well as literary analysis. The course will build the foundation for analytical reading and writing. This course is designed for the advanced student who wishes to explore and develop the same basic skills as English Language Arts 9, but at a faster pace and with greater depth. This class is graded using a traditional 4.0 scale. *(NCAA)*

124/126 - ENGLISH LANGUAGE ARTS 10 Year 1 Credit
Grade 10
Prerequisite: English Language Arts 9
English Language Arts 10 is a year-long class which will focus on a thematic multi-genre unit to American Literature integrating communications processes such as reading, writing, listening, speaking, and viewing as well as literary analysis. Tests, quizzes, writings, class discussions, and special projects (both written and oral) determine the students' grades. *(NCAA)*

130AP - AP SEMINAR (Pending Board Approval) Semester ½ Credit
Grade 10
Prerequisite: English Language Arts 9
This course is being offered in place of Honors ELA 10. AP Seminar is a foundational course that engages students in cross-curricular conversations that explore the complexities of academic and real-world topics and issues by analyzing varied perspectives. Using an inquiry framework, students practice reading and analyzing articles, research studies, and foundational, literary, and philosophical texts; listening to and viewing speeches, broadcasts, and personal accounts; and experiencing artistic works and performances. Students learn to synthesize information from multiple sources, develop their own perspectives in written essays, and design and deliver oral and visual presentations, both individually and as part of a team. Ultimately, the course aims to equip students with the power to analyze and evaluate information with accuracy and precision in order to craft and communicate evidence-based arguments.

144/146 - ENGLISH LANGUAGE ARTS 11 Year 1 Credit
Grade 11
Prerequisite: English Language Arts 10
English Language Arts 11 is a year-long class which will focus on a thematic multi-genre unit to World Literature integrating communications processes such as reading, writing, listening, speaking, and viewing as well as literary analysis. Tests, quizzes, essays/writings (both written and oral) will be primary means of assessment in ELA 11. *(NCAA)*

148/149 - ADVANCED PLACEMENT LANGUAGE AND COMPOSITION Year 1 Credit
Grade 11 and 12
Prerequisite: Teacher approval
This course is intended for students who want an opportunity to earn college credit by analyzing primarily non-fiction work (including biographies, speeches, current events, satire and essays). This is a skill-based course that emphasizes the writing process; therefore, students should be prepared for intensive practice in composing both formal and informal writings. This class is also designed to prepare students to take the Advanced Placement exam in English Language and Composition to qualify to earn college credit. *(NCAA)*

142 - SHAKESPEARE Semester ½ Credit
Grade 10 – 12
Prerequisite: English Language Arts 9
This is a course which focuses on the complete works of Shakespeare not covered in other English Language Arts courses. These include tragedies, comedies, histories as well as sonnets. Students will experience dramatic readings, reenactments, discussions and writings. Listening and critical viewing skills will be reinforced. Grading will be based on tests, quizzes and special projects. *(NCAA)* ARTS

182 - SPEECH Semester ½ Credit
Grades 10 – 12
Prerequisite: English Language Arts 9
Speech introduces effective communications skills, which involve the student as both speaker and part of an audience. This course emphasizes audience analysis, review of model speeches, research, organizational skills, and effective delivery techniques as they apply to informative and persuasive speeches, in both scripted and impromptu situations. *(NCAA)* ARTS BUSINESS HEALTH H.S.

183 - DEBATE Semester ½ Credit
Grades 10 – 12
Prerequisite: English Language Arts 10
In this course, students will have the opportunity to research, analyze, investigate, and argue a variety of topics ranging from international to local interests in a variety of debate formats. Through the class, students will organize materials in differing argumentative styles. The outcome will be to learn, apply and expand necessary speech skills to ensure that students are not voiceless and are heard. *(NCAA)*
ARTS BUSINESS HEALTH H.S.

Drama 1 and 2 can satisfy the visual, performing or applied arts graduation requirement. Remember courses cannot be counted for two separate graduation requirements.

184 - DRAMA 1 Semester ½ Credit
Grades 10 - 12
Prerequisite: English Language Arts 9
Drama 1 is an introduction to acting and play production. The course develops internal and external expressive resources through various exercises. The course also introduces stage terminology and aspects of play production by creating a children's theater production. ARTS

185 - DRAMA 2 Semester ½ Credit
Grades 11 - 12
Prerequisite: Drama 1
Drama II further develops students' abilities in creating an effective dramatic production utilizing audience analysis and performance skills. The course builds on skills learned in Drama I and concentrates on the elements of total play production. Additionally, students will develop and write short plays to be performed. The final assessment will be the performance of an audience interactive production. ARTS

168 - METHODS OF THE MEDIA Semester ½ Credit
Grade 10-11
Prerequisite: English Language Arts 9
Methods of the Media emphasizes journalistic writing and investigative reporting. The course will explore newspapers, magazines, advertising, film, radio, television, internet, and social media. Students will hone their interview and research skills as they write news stories, features and Op-Ed pieces throughout the first half of the course. During the second half of the semester, students will explore cinematography, music in film, documentaries, and advertising. Students will produce their own documentaries near the end of the semester. ARTS BUSINESS

170 - CREATIVE WRITING Semester ½ Credit
Grade 11 - 12
Prerequisite: English Language Arts 10
Creative Writing is a course designed to introduce students to non-expository writing and to allow students to express themselves creatively through these forms. Included will be the writing of drama, poetry, short stories, and other forms of free expression. Students will also learn to prepare their work for publication in the Jaguar Journal creative page, the Cranial Chronicle literary magazine, and/or contests. *(NCAA)* ARTS

Newspaper – Journalism (Jaguar Journal) can satisfy the visual, performing or applied arts graduation requirement. Courses cannot be counted for two separate graduation requirements.

173/174 - NEWSPAPER JOURNALISM Year 1 Credit
Grades 11 - 12
Prerequisite: Permission of faculty advisor and Methods of the Media
Jaguar Journal is a laboratory course in the production of the school newspaper. This course provides practical experience in working on a monthly publication. It includes finding and selling ads; researching stories; writing, editing, and proofreading copy; planning layouts; securing photos; being proficient in computer use; and meeting deadlines. ARTS BUSINESS

166 – NOVELS Semester ½ Credit
Grades 11- 12
Prerequisite: English Language Arts 10
This course is designed specifically for students to improve their reading and analysis skills. Students will analyze, interpret and explain an author's use of literary devices in novels and will sharpen their critical thinking through reading and responding to additional short stories, non-fiction pieces and poems. Students will study various literary genres and common themes. Assessments will include discussion, response to text writing, and analysis writing. Some will be student selected and some will be teacher selected. *(NCAA)* ARTS BUSINESS

162 – SENIOR COMPOSITION Semester ½ Credit
Grade 12
Prerequisite: English Language Arts 11 A
This course is designed to expose students to expository and research writing assignments similar to those found in a freshman level college composition course. Students will learn to express ideas effectively and convey information appropriately and accurately. Emphasis will be placed on expression of writer's opinion, summarization and research skills including MLA and APA formats, working collaboratively with others, and analyzing mentor texts to improve writing. *(NCAA)* ARTS BUSINESS

00169 – INTRO TO PHILOSOPHY
Grade 12 (or instructor approval)
Prerequisite: English Language Arts 11 Semester ½ Credit
This course introduces students to foundational questions in philosophy, focusing on ethical reasoning, the nature of reality, and how philosophical thinking can be applied to contemporary issues. Key tests include *Fundamentals of Ethics* by Shaffer-Landau and *Nasty, Brutish, and Short by* Scott Hershovitz, alongside selected readings from classical and modern philosophers. Students will develop skills in critical reasoning, reflection, and ethical analysis.

186 – WORKPLACE WRITING AND COMMUNICATIONS Semester ½ Credit
Grade 11 – 12
Prerequisite: English Language Arts 10
This course is designed to expose students to practical writing that is common in the workplace. Students will analyze how writing functions in real-world professional contexts and how audience and purpose shape the decisions writers make. Students will learn to express ideas effectively and convey information appropriately and accurately. Emphasis will be placed on awareness of online identity, working collaboratively with others, and analyzing genres and organizations to understand rhetorical context within the framework of composition.
ARTS BUSINESS

164 - WORLD MYTHOLOGY Semester ½ Credit
Grade 11 - 12
Prerequisite: English Language Arts 10
This course provides students with an overview of mythology from various cultures of the world. Initially, students will discuss and examine fairy tales, folklore, folk tales, legends, fables, and myths. Students will explore the cultural aspects of each region to be better understand the context and content of the mythology. Students will examine archetypal elements within stories and make application with that knowledge as they assess the hero's journey. The course provides a variety of unique assignments, writing opportunities, and projects through which students can demonstrate their understanding. *(NCAA)* ARTS

190/191 - ADVANCED PLACEMENT ENGLISH LITERATURE AND COMPOSITION Year 1 Credit
Grade 11 - 12
Prerequisite: Teacher Approval
Advanced Placement English Literature and Composition is a yearlong course in literary analysis. The study of literature and composition provides students with the opportunity to pursue college-level studies in English while still in high school. This course is designed to prepare students to take the Advanced Placement exam in English Literature and Composition to qualify to earn college credit. *(NCAA)* ARTS BUSINESS

00169 - INTRODUCTION TO PHILOSOPHY Semester ½ Credit
Grade 12 (or instructor approval)
Prerequisite: English Language Arts 11
This course is being offered in place of Honors ELA 10. AP Seminar is a foundational course that engages students in cross-curricular conversations that explore the complexities of academic and real-world topics and issues by analyzing varied perspectives. Using an inquiry framework, students practice reading and analyzing articles, research studies, and foundational, literary, and philosophical texts; listening to and viewing speeches, broadcasts, and personal accounts; and experiencing artistic works and performances. Students learn to synthesize information from multiple sources, develop their own perspectives in written essays, and design and deliver oral and visual presentations, both individually and as part of a team. Ultimately, the course aims to equip students with the power to analyze and evaluate information with accuracy and precision in order to craft and communicate evidence-based arguments.

DEPARTMENTAL OFFERINGS

FAMILY AND CONSUMER SCIENCE

Two (2) semesters (1 credit) is required in the visual, performing or applied arts. All courses in the Family and Consumer Science Department may satisfy this graduation requirement.

9th Grade	10th Grade	11th Grade	12th Grade
Parenting Balancing Work and Family	Parenting Balancing Work and Family Personal Living Housing and Interior Design Nutrition - Foods 1	Nutrition - Foods 1 Nutrition - Foods 2 * Parenting Balancing Work and Family Personal Living Consumer Economics * Health & Living Skills Housing and Interior Design	Nutrition - Foods 1 Nutrition - Foods 2 * Parenting Balancing Work and Family Personal Living Consumer Economics * Health & Living Skills Housing and Interior Design
*Prerequisite needed			

014 - NUTRITION - FOODS 1 Semester ½ Credit
Grades 10 - 12
In this class the students will investigate the biological and chemical basics of nutrition. The students will also learn basic cooking techniques, food safety and preparation. The students will demonstrate their knowledge of these techniques in the preparation of food. HEALTH H.S. NR

034 - NUTRITION - FOODS 2 Semester ½ Credit
Grades 11 - 12
Prerequisite: C or better in Nutrition - Foods 1, teacher approval
This class is a continuation of the study of biological and chemical basics of nutrition, food preparation, and processing. The course will include the preparation of soups, sauces, main dishes, meat preparation, the planning of meals, and money management. HEALTH H.S. NR

042 - CONSUMER ECONOMICS Semester ½ Credit
Grades 11 - 12
Prerequisite: C or better in two foods courses and teacher approval
The student will examine the economic system from the perspective of individuals and families. This course will focus on critical thinking skills and decision-making within the home environment. The course will use food planning, techniques, purchasing power, and other related issues in the home and as a consumer in our complex economy. HEALTH H.S. NR

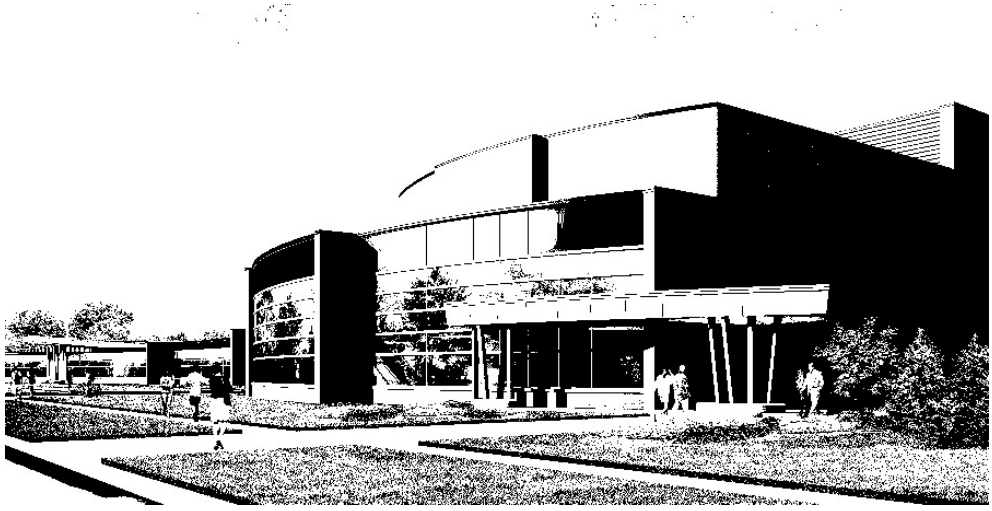
018 - PARENTING Semester ½ Credit
Grades 9 - 12
This class will study the child's development from conception to three years. The course will emphasize the physical, mental, and social growth of the child, parenting decisions and parenting styles. Problems and preparation for parenting will be included. HEALTH H.S.

020 - BALANCING WORK AND FAMILY Semester ½ Credit
Grades 9 - 12
Prerequisite: Parenting is recommended
The student will study the physical, social, emotional development of the child. and how these affect the balancing of family goals and choices within the home, work and community. The course emphasizes the conflicts and stresses that that may result from these choices. HEALTH H.S.

022 - ESSENTIAL HEALTH AND LIVING SKILLS Semester ½ Credit
Grades 11 - 12
This course will study basic home nursing skills. The course will cover nutrition, good health practices, body mechanics, home safety, and emergency first aid, as well as how to take a pulse, respiration and temperature, and identify the signs of illness. HEALTH H.S.

232 - PERSONAL LIVING Semester ½ Credit
Grade 10 - 12
This class is a preparation for adult life involving human relationships. The course will deal with self-concept, feelings, friends, family, marriage, parenting, financial management, life planning, and life philosophy. This course will help the student to cope with many problems and provide tools and techniques to aid in all personal relationships. HEALTH H.S.

016 - HOUSING AND INTERIOR DESIGN Semester ½ Credit
Grades 10 - 12
Interior Design is much more than simply making a room look “pretty” with interior decorating tricks. In this class, basic construction elements of a housing structure and interior design elements are the focus. Textbook reading and writing are a regular part of the class work, so ELA skills are important. Students will be doing a lot of measuring with rulers and configuring dimensions as they draw floor plans “to scale” and create their “dream home” floor plans, so basic math skills are extremely important. A hand-constructed 3-D final project is required. A research paper on career options in the field of interior design is also required. ARTS TECH H.S.



DEPARTMENTAL OFFERINGS
MATHEMATICS

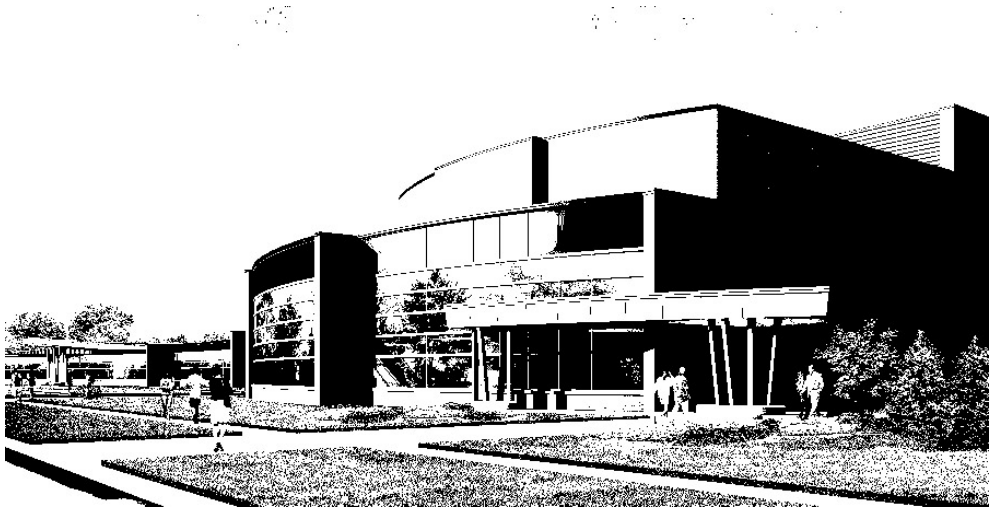
All students must earn four credits in mathematics in order to graduate. One mathematics course must be taken in the senior year. Three credits must be earned in Algebra I, Geometry and Algebra 2.

COURSE OF STUDY	9th GRADE	10TH GRADE	11TH GRADE	12TH GRADE
College Prep	Algebra 1	Geometry or Honor Geometry	Algebra 2 or Core Algebra 2	Trigonometry and Probability & Statistics or Precalculus College Prep Algebra
	Honors Geometry / Geometry	Honors Algebra 2 Algebra 2 or Core Algebra 2	Pre-Calculus or Trig & Stats College Prep Algebra AP Pre-Calculus	AP Calculus AB AP Calculus BC AP Stats College Prep Algebra Accounting 1 Accounting 2
General	Algebra 1	Geometry or Honors Geometry Accounting 1 Accounting 2	Algebra 2 or Core Algebra 2 Accounting 1 Accounting 2	Trigonometry and Probability & Stats Precalculus College Prep Algebra Business Math 1 Business Math 2 Accounting 1 Accounting 2 Personal Finance I Personal Finance II
Tech Prep	Algebra 1	Geometry or Honors Geometry	Algebra 2 or Core Algebra 2	Trigonometry and Probability & Stats Precalculus College Prep Algebra Business Math 1 Business Math 2 Personal Finance I Personal Finance II

317/318 - ALGEBRA 1 Year 1 Credit
Grades 9 - 12
All students graduating in 2011 or later must earn one Algebra 1 credit in order to graduate. Algebra 1 includes the study of algebra's language, expression, real numbers, and solving linear equations. Students will also graph functions, solve linear inequalities, solve systems of equations, and explore factoring, as well as construct, interpret, and manipulate linear, quadratic, polynomial, rational, power and exponential functions. A scientific calculator is required (TI30XIIS, TI83Plus, or TI84Plus are recommended.) Students must take Geometry the following year. *(NCAA)* ARTS BUSINESS **TECH** HEALTH H.S. NR

HH325/HH326 - HONORS GEOMETRY Year 1 Credit
Grades 9 – 12
Geometry must be taken after Algebra I. Enrollment into Honors Geometry is solely based on the recommendation of a student's Algebra I teacher. Students enrolled in Honors Geometry must maintain a B- average at the end of the first semester to continue in Honors Geometry for the second semester. Students below this mark will automatically be placed into non-honors Geometry at the end of the first semester. Students must also maintain a B- average at the end of the second semester to progress into Honors Algebra 2. Students below this mark will automatically be placed into non-honors Algebra 2. Geometry is the study of the relationships between points, lines, planes and space. This course places a strong emphasis on the properties of triangles (trigonometry), quadrilaterals, circles, and other polygons. Students will study coordinate geometry, transformations of plane figures, three-dimensional figures, area of polygons, applications of the Pythagorean Theorem, vectors, and other applications of geometry to the physical world. Geometry also incorporates concepts studied in Algebra 1 requiring a strong understanding of algebraic processes. This course will acquaint students with proofs and logic in order to develop methods of logical and critical reasoning. A scientific calculator is required (TI30XIIS, TI83Plus or TI84 Plus are recommended.) Students must take Algebra 2 the following year. *(NCAA)* ARTS BUSINESS TECH HEALTH H.S. NR

325/326 - GEOMETRY Year 1 Credit
Grades 9 – 12
Geometry must be taken after Algebra 1.
Geometry is the study of the relationships between points, lines, planes and space. This course places a strong emphasis on the properties of triangles (trigonometry), quadrilaterals, circles, and other polygons. Students will study coordinate geometry, transformations of plane figures, three-dimensional figures, area of polygons, applications of the Pythagorean Theorem, vectors, and other applications of geometry to the physical world. Geometry also incorporates concepts studied in Algebra 1 requiring a strong understanding of algebraic processes. This course will acquaint students with proofs and logic in order to develop methods of logical and critical reasoning. A scientific calculator is required (TI30XIIS, TI83Plus or TI84 Plus are recommended.) Students must take Algebra 2 the following year. *(NCAA)* ARTS BUSINESS TECH HEALTH H.S. NR



HH337/HH338 - HONORS ALGEBRA 2 Year 1 Credit
Grades 10 – 12
Algebra 2 must be taken after Geometry. Students who maintain a B- or higher average in Honors Geometry may enroll into Honors Algebra 2 with the recommendation of their Geometry teacher. Students enrolled in Honors Algebra 2 must maintain a B- average at the end of the first semester to continue in Honors Algebra 2 for the second semester. Students below this mark will automatically be placed into non-honors Algebra 2 at the end of the first semester. Students must also maintain a B- average at the end of the second semester to progress into Pre-Calculus. Students below this mark will automatically be placed into College Preparatory Algebra. Algebra 2 is a continuation of the skills built in the first-year algebra course. Students will study radicals and exponents, algorithms, quadratic equations and inequalities, linear, rational, quadratic, conic functions, inverse functions, and matrices. This course will equip students with the skills needed for further studies in math (examining distribution, surveys, experiments, and probability models), science, and other related areas. Students who receive a B or better in this class should take pre-calculus the following year. Students below a B should enroll in College Preparatory Algebra the following year. A scientific calculator is required while a graphing calculator is preferred (TI30XIIS or TI84Plus are recommended). *(NCAA)*

337/338 - ALGEBRA 2 Year 1 Credit
Grades 10 - 12
Algebra 2 will be taken after Geometry.
Algebra 2 is a continuation of the skills built in the first-year algebra course. Students will study radicals and exponents, algorithms, quadratic equations and inequalities, linear, rational, quadratic, conic functions, inverse functions, and matrices. This course will equip students with the skills needed for further studies in math (examining distribution, surveys, experiments, and probability models), science, and other related areas. Students who receive a B or better in this class should take pre-calculus the following year. Students below a B should enroll in College Preparatory Algebra the following year. A scientific calculator is required while a graphing calculator is preferred (TI30XIIS or TI84Plus are recommended). *(NCAA)* ARTS BUSINESS TECH HEALTH H.S. NR

358/359 – CORE ALGEBRA 2 Year 1 Credit
Grades 10 - 12
Prerequisite: Algebra 1 and Geometry. Teacher approval is required. Students must complete 1 year of this course to graduate from Allen Park High School and cover all of the Algebra 2 standards required by the Michigan Merit Curriculum. Students will study linear and quadratic equations and inequalities, as well as polynomial, rational, radical, exponential and logarithmic functions. Core Algebra 2 is a course designed to meet the needs of students who have had difficulty with Algebra 1 and Geometry. Students successfully completing Core Algebra 2 are recommended to take Statistics & Probability, College Preparatory Algebra, Personal Finance 1/2, Business Math 1/2, or a math related course their senior year. ARTS BUSINESS TECH HEALTH H.S. NR *(NCAA)*

309 - BUSINESS MATH 1 Semester ½ Credit
Grades 10 - 12
This Business Math course will empower students with essential skills for entering today's competitive workforce. Planning on having a career in sales, marketing or service, then this course is highly recommended. Students will learn manufacturing costs, marketing sales and advertising budgets. The student will also examine the most efficient techniques to allocate resources such as staff and inventory. Students will also examine ways to analyze profit and loss statements.

310 - BUSINESS MATH 2 Semester ½ Credit
Grades 10 - 12
This course includes understanding income and how career choices affect future income; money management, using a checking account and keeping good records as well as creating a financial plan; spending and credit, options and strategies for saving and investing. Students will also explore management styles, the stock market from a business perspective, including percentages, inventory, depreciation, cash and trade discounts, simple interest, mark-on, distribution of overhead and money management techniques. The knowledge and skills students learn through this class will help them make good financial decisions now and in the future.

SENIORS ONLY have the opportunity to earn ½ math credit for Business Math 1 and ½ math credit for Business Math 2. **Admission into this course is by teacher pre-approval only.**

***722 - ACCOUNTING 1 – CAREER TECHNICAL EDUCATION COURSE PENDING STATE APPROVAL**
Grades 10 – 12 Semester ½ Credit
Accounting is the language of business. Knowledge of accounting enhances career opportunities regardless of the individual's chosen field. This class provides an excellent foundation for college level courses involving multiple aspects of business. Topics include an introduction to double entry accounting. This course will introduce the student to accounting vocabulary and techniques by progressing through the accounting cycle for a Service Business. Students will also set up a business using an Accounting software program. BUSINESS

***724 - ACCOUNTING 2 – CAREER TECHNICAL EDUCATION COURSE PENDING STATE APPROVAL**
Grades 10 – 12 Semester ½ Credit
Prerequisite: This class is a continuation of Accounting 1. The course will introduce the student to accounting vocabulary and techniques by progressing through the accounting cycle for a Merchandising Business. Students will also set up a business using an Accounting software program. BUSINESS

351 - TRIGONOMETRY Semester ½ Credit
Grades 11 - 12
Prerequisite: Credit in Algebra 2 or Algebra 2-B
This course is designed for juniors and seniors who want to continue with math, but are not eligible to take Pre-Calculus. Trigonometry students will study trigonometric functions and their graphs, applications involving angles in radians and degrees, and trigonometric identities. This course will prepare students for further studies in math and science. A TI-84 plus graphing calculator is required for this course. *(NCAA)* ARTS BUSINESS TECH HEALTH H.S. NR

352 - PROBABILITY AND STATISTICS Semester ½ Credit
Grades 10 - 12
Prerequisite: Credit in Algebra 2. or Algebra 2-B.
Probability and Statistics is a math class in which students will study a wide variety of interesting statistical applications. This course will focus on the use of data and statistics to enhance studies of mathematical topics including design of experiments, measure of central tendency, variation and position, probability and exploratory data analysis. Students will solve practical problems using simple simulations, through a common sense approach using large and small sampling of data. The TI-84 plus graphing calculator is recommended. *(NCAA)* ARTS BUSINESS TECH HEALTH H.S. NR

360/361 - COLLEGE PREPARATORY ALGEBRA Year 1 Credit
Grades 11 - 12
Prerequisite: Completion of Algebra 2 or Algebra 2-B
College Preparatory Algebra will be taken after successfully completing Algebra 2 or Algebra 2-B. College Preparatory Algebra is a continuation of the skills built in the first two years of high school Algebra. This course is designed to prepare students for success in their first year course of college mathematics. Students will study radical and rational expressions, complex numbers, solve a variety of functions; linear, quadratic, exponential, logarithmic, rational and radical functions. Additional topics will be conic sections, matrices and trigonometry. A scientific calculator is required, but a graphing calculator (TI-84, TI-83+) is highly recommended.
ARTS BUSINESS TECH HEALTH H.S. NR *NCAA*

321/322 - PRECALCULUS Year 1 Credit
Grades 11 - 12
Prerequisite: B or better in Algebra 2, College Preparatory Algebra or Trigonometry
This course is designed for students who have successfully mastered algebra, geometry, and some trigonometry concepts. Topics covered include functions and their inverses, exponential and log functions, limits of functions, vector analysis, matrices, rational function, para metric and polar functions, determinants, lines of asymptote, trigonometry and problem solving. The course provides a solid preparation for college level courses in linear algebra, structures, sequences, series, and an introduction to calculus. A TI-84+ or plus calculator is required for use in this class. A student receiving a B+ or better in this class and have a recommendation from their Pre-Calculus teacher, should take AP Calculus the following year. Other students should take Calculus the following year. *(NCAA)* ARTS BUSINESS TECH HEALTH H.S. NR

340/341 - CALCULUS Year 1 Credit
Grade 12
Prerequisite: Teacher Recommendation
This course is designed for students who successfully passed Algebra 2 and Precalculus. The course will introduce students to the fundamentals of calculus by finding elementary functions, calculating function derivatives, finding limits and continuity, and integrating definite and indefinite integrals, applications of integration and transcendental functions. A TI-83 plus graphing calculator is required for use in this class. This course is not for college credit, and no additional honor point will be awarded for this class. *(NCAA)* ARTS BUSINESS TECH HEALTH H.S. NR

354/355 - ADVANCED PLACEMENT CALCULUS AB Year 1 Credit
Grade 12
Prerequisite: Teacher recommendation and a minimum grade of B+ or better in Precalculus.
Advanced Placement Calculus AB is intended for the student who has thorough knowledge of college level mathematics, including Algebra 2 Geometry, and Precalculus. AP Calculus is calculus of one variable. Topics include limits, continuity, derivatives, applications of derivatives, integration, applications of integration, and transcendental functions. A TI-83 plus graphing calculator is required for the course. This course is designed to prepare students to take the Advanced Placement Exam in mathematics to qualify to earn college credit. *(NCAA)*
ARTS BUSINESS TECH HEALTH H.S. NR

342/343 - ADVANCED PLACEMENT CALCULUS BC Year 1 Credit
Grade 12
Prerequisite: Teacher recommendation and a minimum grade of A in Precalculus.
Advanced Placement Calculus BC is intended for the student who has thorough knowledge of college level mathematics, including Algebra 2 Geometry, and Precalculus. AP Calculus is calculus of one variable. AP Calculus BC includes all content covered in AP Calculus AB as well as advanced integration techniques, Polar and Parametric Calculus, Taylor Polynomials, and Series. *(NCAA)* ARTS BUSINESS TECH HEALTH H.S. NR

0255 – ADVANCED PLACEMENT PRECALCULUS Year 1 Credit
Grade 10-12
Prerequisite: Teacher recommendation and a B or higher in Honors Algebra 2 or A- in Algebra 2 is recommended.
AP Precalculus is equivalent to a college precalculus course. Students taking this course have the potential to earn college credit by taking the College Board AP Precalculus exam. The course consists of three major units: the study of polynomial and rational functions, exponential and logarithmic functions, and trigonometric and polar functions. Students will investigate and analyze these concepts using functions, graphs, tables, and in a context, focusing on conceptual understanding and connections between these concepts. Students will display their mastery of precalculus concepts through reasoning with definitions and theorems, connecting concepts, implementing algebraic/computational processes, connecting multiple representations, notational fluency, and communicating their knowledge through verbal, algebraic, and written forms. *(NCAA)*

349/350 - ADVANCED PLACEMENT STATISTICS Year 1 Credit
GRADES 10-12
Prerequisite: Completion of Algebra 2 with a B or better or concurrent with Algebra 2 (with an A in both Algebra 1 and Geometry)
As described by the College Board, the purpose of the AP course in statistics is to introduce students to the major concepts and tools for collecting, analyzing and drawing conclusions from data. Student are exposed to four broad conceptual themes: exploring data (describing patterns and departures from patterns), sampling and experimentation (planning and conducting a study), anticipating patterns (exploring random phenomena using probability and simulation), and statistical inference (estimating population parameters and testing hypotheses). This course has a heavy emphasis on writing, analysis, and interpretation of results, with extensive use of the calculator to do computational problems. *(NCAA)*

DEPARTMENTAL OFFERINGS

MUSIC

Two (2) semesters (1 credit) is required in the visual, performing or applied arts.

611/612 - CONCERT BAND Year 1 Credit
Grade 9 - 12
Prerequisite: Department Permission
The Concert Band is composed of freshmen and upper classmen with prior instrument playing experience. The class focuses on the continued development of instrument technique, musicianship, and music literacy. The Concert Band is a performing ensemble as part of the Allen Park High School Marching Band and includes various other performance requirements. Students grades are composed of mandatory performances (during and after school) including Michigan Schools Band and Orchestra Association (MSBOA) festivals, APHS events, and community events, as well as in-class music journal work, focusing on basic music theory, ear training, solfege, and history. ARTS

617/618 - SYMPHONIC BAND Year 1 Credit
Grades 10 - 12
Prerequisite: Department Permission
The Symphonic Band is a performance-oriented ensemble composed of upper classmen. This intermediate-advanced ensemble places a heightened emphasis on the development of a well-rounded musician as preparation for college or as community band members. Symphonic Band members participated in the Marching Band in the fall and study concert band literature in the winter. Students grades are composed of mandatory performances (during and after school) including Michigan Schools Band and Orchestra Association (MSBOA festivals, APHS events, and community events, as well as in-class music journal work, focusing on advanced level music theory, ear training, solfege, and history. ARTS

613/614 - JAZZ BAND Year 1 Credit
Grades 10 – 12
Prerequisite: Department Permission
Jazz Band students must have substantial experience playing an instrument and reading music. This class focuses on the genre of Jazz as an indigenous American art form. Students will explore Jazz improvisation, technique and style as crucial elements of skilled Jazz musicianship. This is a performing ensemble that serves school and community functions throughout the year. Grades are based partially on mandatory performances during and after school hours throughout the year, as detailed in the music department handbook course outline and calendar. ARTS

615/616 - CONCERT CHOIR Year 1 Credit
Grades 9 – 12
Prerequisite: Department Permission
Concert Choir is an entry level choral ensemble composed of grades 9-12 that focuses on student's development of proper vocal technique within the ensemble setting. Students will learn to read music, understand solfege, county rhythms, and sing with musical elements essential to any choir member. Student grades are composed of mandatory performances (during and after school) including Michigan Schools Vocal Music Association (MSVMA) festivals, APHS Concerts, and community events, as well as in-class music journal work, focusing on music theory, ear training, solfege, and history**.** ARTS

615S/616S - CHAMBER ENSEMBLE Year 1 Credit
Grades 10 – 12
Prerequisite: Concert Choir **and** vocal audition
Chamber Ensemble is an intermediate-advanced choral ensemble composed of upper classmen vocalists and instrumentalists. Students in the Chamber Ensemble perform a heightened level of literature than found in the Concert Choir. Students grades are composed of mandatory performances (during and after school) including Michigan Schools Vocal Music Association (MSVMA) festivals, APHS Concerts, and community events, as well as in-class music journal work, focusing on advanced music theory, ear training, solfege, and history. ARTS

619G – GUITAR
Grades 9-12
Guitar is a course where students will learn fundamental guitar playing skills, covering tablature (TABS), chords, strumming patterns, popular melodies, popular bass lines, guitar anatomy, and tuning & care. Our music selections (repertoire) span traditional folk songs, Class Rock, Country, Blues, Jazz and Pop. Students will explore the work of influential guitarists in pop culture. No concerts are scheduled. Guitars and music provided. Beginners are welcome.

DEPARTMENTAL OFFERINGS

PHYSICAL EDUCATION AND HEALTH

One semester of Fitness for Life and one semester of Health are required.

900 - HEALTH & WELLNESS Semester ½ Credit
Grade 9 – 12 (Recommended 10-12)
Health Education is a required course taken during the freshman year. This course is a graduation requirement. This class provides knowledge and skills in the areas of personality, self-esteem, stress, suicide, nutrition, alcohol, tobacco, and other illicit drugs, violence prevention, and abstinence, STI/STD, HIV/AIDS, relationships, and human sexuality. Students are encouraged to make healthy decisions in regards to their physical, mental and emotional well-being. ARTS BUSINESS TECH HEALTH H.S. NR

901 - FITNESS FOR LIFE Semester ½ Credit
Grade 9 - 12
Prerequisite: A completed Health Form indicating a level of health appropriate to fully participate in class.
This is the foundation course, providing the students with a base in physical education as well as insight for future elective choices. This class is ***fitness based*** with a goal of achieving and maintaining a health-enhancing level of physical fitness through regular participation in physical activity. Students will perform circuit training, shuttle runs, along with experiences in other cardiovascular activities, swimming/aquatics, as well as plyometrics. Emphasis will be placed on participation, effort, cardio endurance, muscular strength, flexibility and a base for life long health and fitness. ARTS BUSINESS TECH HEALTH H.S. NR

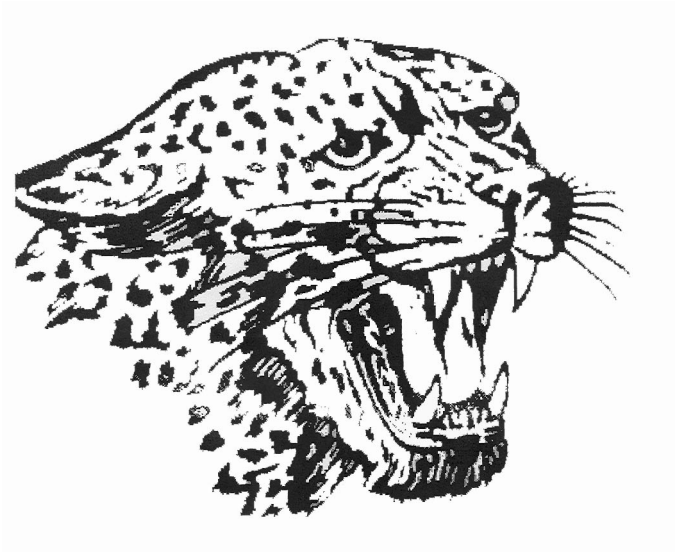
915 - TEAM SPORTS Semester ½ Credit
Grades 10 - 12
Prerequisite: ½ credit of Physical Education or consent of instructor
The fundamental skills, rules, and strategies of many team sports will be introduced and put to use in competitive games. Some of the sports included will be football, basketball and floor hockey. Concepts of team play and sportsmanship will be emphasized. **Students may only take team sports one time for credit**. TECH HEALTH H.S. NR

916 - PHYSICAL CONDITIONING/CORE TRAINING
Grades 11 – 12 Semester ½ Credit
Prerequisite: ½ credit of Physical Education or consent of instructor
This course is designed specifically to improve overall physical fitness, with great emphasis on weight training techniques, swimming, circuit training, cardiovascular improvement, plyometrics, and some workouts that included a series called P90 X or Insanity.

899 - INDIVIDUAL SPORTS Semester ½ Credit
Grades 10 – 12
Prerequisite: One credit of 9th grade physical education
Individual Sports is an elective course with participation in golf, tennis, badminton, jogging, physical fitness, archery and track and field.

913AS- ADVANCED SWIMMING AND LIFESAVING Semester ½ Credit
Grades 10 - 12
Prerequisite: One credit of 9th grade physical education
This course will include all skills required to successfully complete the Advanced Swimming Card requirements. Mastery of all strokes (crawl, side and back crawl, breast, elementary back, inverted breast , over-arm side, and under water breaststrokes) will be stressed. The flutter, breast and inverted breast, scissors and inverted scissors kicks with proficiency will also be required. Survival floating, surface dives and various entries will be required. Life saving skills (carries, recoveries, retrieves, swimmer assist procedures, and rescues) and other aspect of lifesaving will be required by Red Cross certification standards. (not available for 2005-2006)

918-2 SPORTS TECH/ADVANCED PHYSICAL CONDITIONING Semester ½ Credit
Grades 10 – 12
Prerequisite: ***Student must have one year of physical education, consent of instructor (Only instructor's signature is valid for class approval; coach's signatures are not accepted), and they must be a Varsity Athlete.***
This course includes stretching, weight training, running, and various conditioning activities. Athletic testing will be implemented to challenge students to improve themselves to a higher level of physical fitness. Instruction on techniques and strategies in various sport disciplines will further the development of the athlete in their individual selected sport. The course will also include instruction in many areas that affect athletic performance and progress. These areas include, team concepts, attitude, sportsmanship, responsibility, the negative effect of drugs, alcohol and other substances, and NCAA academic requirements. TECH HEALTH H.S. N.R.



DEPARTMENTAL OFFERINGS

SCIENCE

Six semesters (3 credits) of science are required including biology, chemistry or physics and one additional credit.

Grade 9	Grade 10	Grade 11	Grade 12
Biology Honors Biology Intro to Engineering *Principles of Engineering	Chemistry Honors Chemistry Core Chemistry Zoology Laboratory Biology Human Anatomy SMIC Human Anatomy RMRD	Chemistry /Honors Chemistry CORE Chemistry AP Chemistry Physics Zoology Laboratory Biology AP Biology Human Anatomy SMIC Human Anatomy RMRD	Chemistry CORE Chemistry AP Chemistry Physics Zoology Laboratory Biology AP Biology Human Anatomy SMIC Human Anatomy RMRD

413/414 - SCIENCE 9 Year 1 Credit

Grade 9

This rigorous course covers science and processing skills, as well as critical thinking, that will lay the groundwork for the rest of the science classes that follow. Specific skills include metric conversions, dimensional analysis, scientific notation and how to measure precisely with multiple measuring tools. In addition, students will learn how to construct clear graphic representations of data, as well as read/interpret graphs effectively. Students will apply these skills through earth science topics, geologic principles, and introductory physical science content. Students will participate in various lab and group activities throughout the year as they become familiar with implementing science and engineering practices. *(NCAA)*

421/422 - BIOLOGY Year 1 Credit

Grades 9 - 12

Prerequisite: Teacher approval from previous science course.

This course will help students develop a conceptual framework for modern biology and help students gain an appreciation for science as a process. The ongoing knowledge explosion in biology makes it even more challenging. Primary emphasis is on developing an understanding of concepts rather than on memorizing terms and technical details, although that is also necessary. Students will grasp science as a process rather than an accumulation of facts, use personal experience in scientific inquiry, recognize unifying themes that integrate the major topics of biology, and apply biological knowledge and critical thinking to environmental and social concerns. Main topics include: Molecules and Cells (chemistry of life, cells, homeostasis, and cellular energetics), Heredity and Evolution (molecular genetics, inheritance patterns, and evolutionary biology), and Ecology (biomes and ecosystems).

(NCAA) HEALTH NR

HH421/HH422 - HONORS BIOLOGY
Grades 9 - 10
Prerequisite: Teacher approval from previous science courses. Year 1 Credit
Honors Biology is an advanced study of life and life processes. This course will move quickly through content in order to allow time for advanced labs and concepts. Honors Biology will help students develop a conceptual framework for modern biology and help students gain an appreciation for science as a process, rather than an accumulation of facts. This will require inquiry, recognizing unifying themes of biology and application of knowledge to new situations. Main topics include: Molecules and Cells, Evolution, Energy, Ecology, Growth and Reproduction and Heredity. *(NCAA)*

466 - ZOOLOGY
Semester ½ Credit
Grades 10 - 12
Prerequisite: Biology is required.
This course involves the branch of biology that deals with animals. Topics include the evolution, classification, development, characteristics, behavior, and distribution of animals. Students will also learn the body structure, methods of feeding and digestion, support and movement, response to stimuli, respiration, circulation, and excretion, reproduction, diversity, and ecology of the major groups of invertebrate and vertebrate animals. The students will also discover and observe structures of multiple animals first hand through several dissections.
HEALTH NR

467 - LABORATORY BIOLOGY
Semester ½ Credit
Grades 10 - 12
Prerequisite: Biology is required
This course introduces students to laboratory techniques in dissection and microbiology. Students will learn how to use proper dissection techniques while learning the anatomy of a cat and how it compares to human anatomy. In addition, students will learn how to properly use a scientific microscope to examine and explore microscopic organisms. Students will learn basic techniques used in a microbiology lab. Students will transfer live bacteria to slides and examine characteristics using different microbiology techniques. Students will learn how scientists differentiate between unknown bacterias and how the medical field treats infections from different microbes.
HEALTH NR

449/450 - ADVANCED PLACEMENT BIOLOGY Year 1 Credit
Grades 11 and 12
Prerequisite: Teacher Approval & Successful completion of Biology and Chemistry.
The Advanced Placement Biology course is designed to be the equivalent of a college introductory biology course usually taken by first year college students. AP Biology will cover those topics regularly covered by college students and will include the study of biomolecules, cells, heredity and evolution, and the classification, structure, and function of organisms. Students will complete twelve major labs designed by the College Board to reinforce those topics. This course is designed to prepare students to take the AP Biology Exam offered by the College Board to qualify to earn college credit. *(NCAA)* HEALTH NR

462/463 - ADVANCED PLACEMENT ENVIRONMENTAL SCIENCE Year 1 Credit
Grades 10 and 12
Prerequisite: Biology and Algebra I
Advanced Placement Environmental Science is the equivalent of a one-semester, introductory college course in environmental science. Students explore the interdisciplinary nature of environmental science and how it integrates the study of geology, chemistry, biology, geography, and social studies. Students investigate the interrelationships of the natural world, analyze environmental problems and examine alternative solutions for resolving these problems. Students participate in lectures, discussion, experimentation, laboratory bench work, and field studies. Students are strongly encouraged, but not required to take the Advanced Placement Environmental Science examination which takes place in May. *(NCAA)*

415/416 - INTRODUCTORY ANATOMY Year 1 Credit
Grades 10 - 12
Students will be introduced to general human anatomy and biological concepts such as cell structure, processes, systems, and body structure. HEALTH

464 HUMAN ANATOMY SMIC: Support, Movement, Integration, and Control
Semester ½ Credit
Grades 10 - 12
Prerequisite: Teacher approval from previous science course
This course will help students develop a conceptual framework for Human Anatomy and help students gain an appreciation for science as a process. Primary emphasis is on the major structures and functions of the organ systems involved in support, movement, integration, and control-which are the Integumentary, Skeletal, Muscular, Nervous, and Endocrine systems. Furthermore, students will learn physiological processes on how the body functions as an entire unit. Students will learn to understand and predict the body's responses to stimuli and to understand how the body maintains conditions within a constantly changing environment. The students will also discover and observe structures first hand through several dissections.

465 HUMAN ANATOMY RMRD: Regulation, Maintenance, Reproduction, and Development
Semester ½ Credit
Grades 10 - 12
Prerequisite: Teacher approval from previous science course
This course will help students develop a conceptual framework for Human Anatomy and help students gain an appreciation for science as a process. Primary emphasis is on the major structures and functions of the organ systems involved in regulation, maintenance, reproduction, and development-which are the Cardiovascular, Lymphatic, Digestive, Respiratory, Urinary, and Reproductive systems. Furthermore, students will learn physiological processes on how the body functions as an entire unit. Students will learn to understand and predict the body's responses to stimuli and to understand how the body maintains conditions within a constantly changing environment. The students will also discover and observe structures first hand through several dissections.

430 - FORENSICS Semester ½ Credit
Grades 10 – 12
Prerequisite: Biology, Chemistry, Human Anatomy SMIC, Human Anatomy RMRD and/or Zoology/Laboratory Biology **May be taken concurrently:** Human Anatomy SMIC and Human Anatomy RMRD and/or Zoology or Laboratory Biology
This course focuses on the collection, identification and analysis of crime scene evidence using Biology, Chemistry and Anatomy. Emphasis will be placed on the methods that link suspect, victim, and crime scene. Laboratory exercises will include finger printing, handwriting analysis, ballistics, blood typing, hair and fiber examination, decomposition, and DNA analysis. Case studies and current events will be explored. The end of the semester students will investigate a crime scene using the skills they have developed to determine a guilty suspect.

431/432 - CHEMISTRY Year 1 Credit
Grades 10 - 12
Prerequisite: Teacher recommendation from previous science course and/or "C" or better in Algebra I
Chemistry I is a study of the changing physical world and its effect on human life. The course will emphasize confidence in the scientific method, observation and experimentation, cause and effect, and the exactness in measurement, classical laws, and theories of chemistry. *(NCAA)* HEALTH NR

HH431/HH432 - HONORS CHEMISTRY 1 Year 1 Credit
Grades 10 - 12
Prerequisite: Teacher approval from previous science course.
Honors Chemistry is an advanced study of the changing physical world and its effect on human life. This course will move quickly through content in order to allow time for advanced labs and concepts. This course will emphasize the scientific method, focusing on observation, experimentation, cause and effect, while learning the laws and theories of chemistry. *(NCAA)*

433/434 - CHEMISTRY 2 Year 1 Credit
Grades 11 - 1
Prerequisite: Teacher approval from Chemistry 1 teacher
This course is a continuation of Chemistry 1. Students will take a closer look at chemical reactions, chemical substances and chemical bonding as well as be introduced to thermo-chemistry, kinetics, chemical equilibrium, organic chemistry and other areas. *(NCAA)* HEALTH NR

INTRODUCTION TO ENGINEERING
This course uses problem-solving skills to explore creative designs and alternative solutions for problems facing our world today by using a design system approach. Students will design, analyze and communicate possible solutions to a variety of environmental and technological problems. 3-dimensional models will be created using solid modeling computer design software. Possible tools include laser engraving and rapid prototyping.

460/461 - ADVANCED PLACEMENT CHEMISTRY Year 1 Credit
Grades 11 and 12
Prerequisite: Chemistry 1, completed or enrolled concurrently in Algebra 2, and teacher approval from Chemistry 1 teacher.
This course is designed to be the equivalent of a college introductory chemistry course. AP Chemistry will explore Chemistry 1 topics to a greater depth and cover new topics including Kinetics, Equilibrium, Thermodynamics, Acids and Bases, and Electrochemistry. Students are required to attend extra lab sessions (beyond the normal class period) which may be held before/after school or on Saturdays. This class is designed to prepare students to take the AP exam in Chemistry to qualify to earn college credit. *(NCAA)* HEALTH NR

436/437 - CORE CHEMISTRY Year 1 Credit
Grades 11 – 12
Prerequisite: Teacher permission required.
CORE Chemistry presents principles central to the study of chemistry. The course teaches problem solving techniques and critical thinking skills students will need to make decisions about scientific and technological issues. Laboratory activities are an integral part of each unit. In addition to the lab activities, there are a number of inquiry-based activities and problem solving activities which require student participation and cooperation for success. *(NCAA)* TECH HEALTH NR

SENIORS have the opportunity to earn ½ math credit and ½ science credit if they take physics for a full year and pass both semesters. Senior students who elect this option and fail the first semester will void this option and will need to make up the math credit during the second semester. If a student chooses to drop physics at the end of the first semester, that student will earn ½ science credit and will need to make up the math credit. Seniors also have the option of counting physics as one full credit of science.

447/448 - PHYSICS Year 1 Credit
Grades 10 - 12
Prerequisites: Juniors must have earned a C or better in Algebra 1 and Geometry and enroll in Algebra 2 (not Algebra 2B)
Seniors must have earned a C or better in Algebra 1, Geometry and Algebra 2) not Algebra 2B)
Physics is a preparation for a college physical science sequence and practical application of the mathematical disciplines. The course will include the study of mechanics, electricity, optics and wave theory. Students will participate in various lab and group activities throughout the year. *(NCAA)* TECH HEALTH

441/442 - APPLIED PHYSICS 1 Year 1 Credit
Grades 11 – 12
Prerequisites: Algebra or Applied Math and must be a junior
This class is an applied foundations course that covers basic physics skills everyone needs in order to understand how things work in this age of high technology. The areas of force, work, rate resistance, energy and power will be covered *(NCAA)* TECH

443/444 - APPLIED PHYSICS 2 Year 1 Credit
Grades 12
Prerequisite: Applied Physics 1 This course is a continuation of Applied Physics 1. Students will study topics in power, force transformers, momentum, waves and vibrations, energy converters, radiation and optics and optical systems. Students will participate in various lab and group activities throughout the year. **TECH**

429 - SCIENCE IN THE MEDIA Semester ½ Credit
Grades: 11 – 12
Prerequisite: Biology, Chemistry, and Physics (may take concurrently with Physics).
This course will rip science from the headlines and investigate it in the lab. Learn to use the biology, chemistry, and physics knowledge that you have worked so hard at for all these years to explore the real-life science that interests you. As a class, we will look at national and local news stories, science blogs, movies, popular novels, magazines, comic books, etc. to discover the questions that we want to investigate and answer. Want to know if gamma radiation could give you superpowers? Is time travel a real possibility? Take the class and let's find out!

DEPARTMENTAL OFFERINGS
SOCIAL STUDIES

Students will be required to take seven (6) semesters (3 credits) in Social Studies including, U.S. History, World History, Economics and Impact on Government.

	Grade 9	Grade 10	Grade 11	Grade 12
Required	Economics	U.S. History & Geography	World History & Geography	Impact on Government
Electives	Understanding Democracy	General Psychology, Applied Psychology, Understanding Democracy	General Psychology, Applied Psychology, Understanding Democracy Current World Issues History Matters	General Psychology , Applied Psychology , Understanding Democracy Current World Issues History Matters
Advanced Placement	Advanced Placement Human Geography and Economics	Advanced Placement U.S. History Advanced Placement Psychology	Advanced Placement European History Advanced Placement World History	Advanced Placement Government Advanced Placement European History Advanced Placement Human Geography

216 - UNDERSTANDING DEMOCRACY Semester ½ Credit
Grade 9-12
Special attention is given to understanding the development of the U.S. Constitution, how it impacts our citizens, and how it relates to the rest of the world. The theme of this course will be driven by the news of the day and how it connects with our three branches of government: Executive, Legislative, and Judicial. *(NCAA)*

228 - ECONOMICS Semester ½ Credit
Grades 9 - 12
This class is a study of the mixed economic system of the United States. The course will include a history of economic thought, a comparison of economic systems, current events from an economic viewpoint, and the tools used in economic analysis. Financial choices that must be considered by individuals and businesses will be emphasized, hands-on projects are included to enhance learning through an interactive approach. *(NCAA)* BUSINESS H.S.

234 - U.S. HISTORY & GEOGRAPHY 1 (1865 – 1920) Semester ½ Credit
Grades 10 - 12
The course is a study of United States History from the Post-Civil War period to WWII. The class will cover the rise of industrialism, social and political reform, and the growth of the United States as a world power. This is a required course. *(NCAA)*

236 - U.S HISTORY & GEOGRAPHY 2 (1930 – Present) Semester ½ Credit
Grades 10 - 12
Prerequisite: U.S. History & Geography 1
This course is a study of United States History from World War II to the present. The class will cover such foreign and domestic issues as World War II, the Cold War, the United Nations, Vietnam, and civil rights, stressing the importance of each on modern America. This is a required course. *(NCAA)*

222 - WORLD HISTORY & GEOGRAPHY 1 Semester ½ Credit
Grades 11 – 12
The course is a study of World History and Geography from the 4th Century into the 17th Century. It will take global, interregional and regional approaches covering the expanding hemispheric interactions, the first global age and finally global revolutions. *(NCAA)*

224 - WORLD HISTORY & GEOGRAPHY 2 Semester ½ Credit
Grades 11 – 12
Prerequisite: World History & Geography 1
The course is a study of World History and Geography from the 17th Century into the 21st Century. It will take global, interregional and regional approaches covering global crisis and achievements, the Cold War and its aftermath and finally contemporary global issues. *(NCAA)*

238 – GENERAL PSYCHOLOGY Semester ½ Credit
Grades 10 - 12
This course is an introduction to psychology. Units Include: Foundations of Psychology, Research Methods, Brain and Nervous System, Sensation and Perception, Consciousness and the Self, and Memory and Learning. Throughout the semester, influences of genetic and environmental factors will be explored. *(NCAA)* BUSINESS HEALTH H.S.

240 – APPLIED PSYCHOLOGY Semester ½ Credit
Grades 10 – 12
Prerequisite: Psychology 1
Students will learn about human behavior through a developmental psychology lens, including states of cognitive, moral and psychosocial development. Learning, memory, goal setting, and positive psychology will also be studied in addition to special topics throughout the semester. *(NCAA)*

237/239 - ADVANCED PLACEMENT U.S. HISTORY Year 1 Credit
Grade 10 - 12
Prerequisite: Recommendation of instructor based on a careful screening process
Advanced Placement United States History is a yearlong course surveying American history from 1740 to the present. This course offers students the essential college skills of note taking, outlining, book analysis, and document-based essay testing along with cultural experiences through field trips. This course is designed to prepare students to take the AP exam in United States History to qualify to earn college credit. *(NCAA)*

248/249 - ADVANCED PLACEMENT EUROPEAN HISTORY Year 1 Credit
Grades 11 - 12
Prerequisite: Recommendation of instructor based on a careful screening process
This course will involve the study of European history from 1450 to the present, that is, from the Renaissance to the very recent past. In addition to providing a basic understanding of events and movements, this course will also develop an ability to analyze historical evidence and an ability to analyze and express historical understanding in writing. This course is designed to prepare students to take the Advanced Placement exam in European History to qualify to earn college credit. *(NCAA)*

229/231 - ADVANCED PLACEMENT WORLD HISTORY & GEOGRAPHY Year 1 Credit
Grade 11
Prerequisite: Recommendation of instructor based on a careful screening process
This course will involve the study of World History and Geography from 1200 CE to the present. This class will take global, interregional and regional approaches, covering hemispheric interactions, crisis and achievement, and contemporary global issues. This course is designed to prepare students to take the Advanced Placement exam in World History and Geography to qualify to earn college credit. *(NCAA)*

246/247 - ADVANCED PLACEMENT GOVERNMENT & POLITICS Year 1 Credit
Grade 12
Prerequisite: Recommendation of instructor based on a careful screening process
This course will involve the study of American Government with a focus on the U.S. Constitution; the three branches of government and current problems that face the United States. This course is designed to prepare students to take the Advanced Placement exam in American Government to qualify to earn college credit. *(NCAA)*

250 - IMPACT ON GOVERNMENT Semester ½ Credit
Grade 12
This course will review some of the main concepts of the United States Constitution and the Federal government. Also, students will become more familiar with the workings of state and local government through an interactive approach. Students will be exposed to speakers from our local levels of government and will experience government through City Council meetings, school board meetings, etc. This course will meet the government requirement for graduation. This is a required course. *(NCAA)*

251 - CURRENT WORLD ISSUES Semester ½ Credit
Grade 11-12 ELECTIVE
Prerequisite: Must pass U.S. History 1 and 2
The focus of the course is current world issues. Topics covered will include a historical overview and the nature of the U.S. involvement, along with an up-to-date analysis of the issue's geopolitical impact and significance. Issues can and will change as world events unfold. Topics include (but are not limited to) U.S. role in a changing world, Middle East in transition, China, Russia, immigration, terrorism and the challenge of nuclear weapons. *(NCAA)*

252 - HISTORY MATTERS: CHOOSE YOUR OWN ADVENTURE Semester ½ Credit
Grade 11-12 ELECTIVE
Prerequisite: Must pass U.S. History 1 and 2
This class is designed to help you develop historical research and presentation skills, and allow you to work independently on a personally selected topic from history as you create a detailed-driven report and PowerPoint presentation. *(NCAA)*

253 – ADVANCED PLACEMENT HUMAN GEOGRAPHY AND ECONOMICS Year 1 Credit
Grade 9-12
This class is a study of the mixed economic system of the United States and will explore how humans have understood, used, and changed the surface of Earth. The course will include a history of economic thought, a comparison of economic systems, current events from an economic viewpoint, and the tools used in economic analysis. It will explore how humans have understood, used, and changed the surface of Earth. They will use the tools and thinking processes of geographers to examine patterns of human population, migration, and land use. Financial choices that must be considered by individuals and businesses will be emphasized; hands-on projects are included to enhance learning through an interactive approach. This course is designed to prepare students to take the Advanced Placement exam
in Human Geography to qualify to earn college credit. *(NCAA)*
FRESHMAN have the opportunity to ½ economics credit and ½ personal finance credit if they take Advanced Placement Human Geography and Economics and pass both semesters. Freshman students who elect this option and fail the first semester will void this option and will need to make up the economics credit during the second semester. If a student chooses to drop Advanced Placement Human Geography and Economics at the end of the first semester, that student will earn ½ Human Geography elective credit and will need to make up the economics credit.

254 – ADVANCED PLACEMENT PSYCHOLOGY Year 1 Credit
Grade 10-12
Explore the ideas, theories, and methods of the scientific study of behavior and mental processes. You'll examine the concepts of psychology through reading and discussion and you'll analyze data from psychological research studies. Advanced Placement Psychology discusses topics that may be sensitive or controversial to some. This course is designed to prepare students to take the Advanced Placement exam in Psychology to qualify to earn college credit. *(NCAA)*

DEPARTMENTAL OFFERINGS
SPECIAL EDUCATION

Special Education students by law must be given access to, and support for success in, the general curriculum. Beginning in 2007, all students are expected to meet the new Michigan high school requirements. However, the IEP may identify the supports and accommodations necessary to allow a student to progress in the Michigan Merit Curriculum requirements and meet the requirements for a high school diploma.

FUNDAMENTAL ENGLISH
The fundamental English classes align with the Michigan Merit Curriculum. As such, students earning credit in ELA satisfy current high school graduation requirements.

923-09/924-09 - FUNDAMENTAL ENGLISH LANGUAGE ARTS 9 Year 1 Credit
Grade 9
Prerequisite: None
Fundamental English Language Arts 9 is a year-long class which will focus on a thematic approach integrating communications process such as reading, writing, listening, speaking, and viewing as well as literary analysis. Tests, quizzes, writings, class discussions and special projects (both written and oral) determine the students' grades.

923-10/924-10 - FUNDAMENTAL ENGLISH LANGUAGE ARTS 10 Year 1 Credit
Grade 10
Prerequisite: Fundamental English Language Arts 9
Fundamental English Language Arts 10 is a year-long class which will focus on a thematic approach to American Literature integrating communications processes such as reading, writing, listening, speaking, and viewing as well as literary analysis. Tests quizzes, writings, class discussions, and special projects (both written and oral) determine the students' grades.

923-11/924-11 - FUNDAMENTAL ENGLISH LANGUAGE ARTS 11 Year 1 Credit
Grade 11
Prerequisite: Fundamental English Language Arts 10
Fundamental English Language Arts 11 is a year-long class which will focus on a thematic approach to World Literature integrating communications processes such as reading, writing, listening, speaking, and viewing as well as literary analysis. Tests, quizzes, class discussions, and special projects (both written and oral) determine the students' grades.

923-12/924-12 - FUNDAMENTAL ENGLISH LANGUAGE ARTS 12 Year 1 Credit
Grade 12
Prerequisite: Fundamental English Language Arts 11
Fundamental English Language Arts 12 is a year-long class which will review communications processes such as reading, writing, listening, speaking, and viewing. Tests, quizzes, writings, class discussions, and special projects (both written and oral) determine the students' grades.

MATH 8 Semesters 4 Credits
The fundamental math block includes Algebra 1, Algebra 2, Geometry, and a Math Elective (4th Year). The fundamental math block aligns with the Michigan Merit Curriculum. As such, students earning credit in this sequence satisfy current high school graduation requirements.

921/922 - FUNDAMENTAL ALGEBRA 1 Year 1 Credit
Algebra 1 is the study of algebra's language, expressions, real numbers, and solving linear equations. The students will be introduced to graphing functions, solving linear inequalities, solving systems of equations and exploring polynomials and factoring. A scientific calculator is recommended (TI30XIIS, TI83Plus, or TI84Plus).

927X/927Y - FUNDAMENTAL ALGEBRA 2 Year 1 Credit
Prerequisite: Fundamental Algebra 1
All students graduating in 2011 or later must earn credit in Fundamental Algebra 2 in order to graduate.
Fundamental Algebra 2 is a continuation of the skills built in the first year algebra course. Students will study radicals and exponents, algorithms, and quadratic equations and inequalities, linear, rational, quadratic and conic functions, inverse functions, and matrices. A scientific or graphing calculator is recommended (TI30XIIS, TI83Plus, or TI84Plus).

925/926 - FUNDAMENTAL GEOMETRY Year 1 Credit
Prerequisite: Fundamental Algebra 1
Geometry is the study of the relationships between points, lines, planes, and space. This course places a strong emphasis on the properties of triangles, quadrilaterals, circles, and other polygons. Students will study coordinate geometry, transformations of plane figures, three-dimensional figures, area of polygons, applications of the Pythagorean Theorem, vectors, and other applications of geometry to the physical world. Geometry also incorporates concepts studied in Algebra 1 requiring a strong understanding of algebraic processes. This course will acquaint students with proofs and logistics in order to develop methods of logical and critical reasoning. A scientific calculator is recommended (TI30XIIS, TI83Plus or TI84 Plus).

FUNDAMENTAL MATH Year 1 Credit
Fundamental Math is the reinforcement of basic math skills used in daily living. Students will work independently to achieve mastery of skills in addition, subtraction, multiplication, and division, as well as skills in money, time, and measurement. A basic Casio fx-300ms is recommended.

FUNDAMENTAL PERSONAL FINANCE Semester ½ Credit
This new course will be developed for implementation.

SCIENCE 6 Semesters 3 Credits
The fundamental science block includes Biology, General Sciences and Human Anatomy SMIC and Human Anatomy RMID. The fundamental science block aligns with the Michigan Merit Curriculum. As such, student earning credit in this sequence will satisfy current high school requirements *(NCAA)*

928A/929B - FUNDAMENTAL GENERAL SCIENCE - Year 1 Credit
This course concentrates on the areas of life science, physical science and earth science. This class is designed to give the student a general overview in the area of science.

928/929 - FUNDAMENTAL INTRO BIOLOGY Year 1 Credit
This course concentrates on the following specific areas of biology: cells, plants, animals, humans and the ecology. This class is designed to give the student a detailed look at the topic of biology.

FUNDAMENTAL ANATOMY – Year 1 Credit
This course concentrates on all areas of health necessary to maintain responsible personal care. These areas include: the study of human senses, muscles, bones, body systems, brain, emotions, mental illness, development and maturity, first aid, nutrition, the effects of alcohol and tobacco, communication skills, communicable diseases and community health services. This class is designed to inform and educate students regarding good health.

SOCIAL STUDIES 6 Semesters 3 Credits
The fundamental social studies block includes: Understanding Democracy, Economics, U.S. History/Geography 1 and 2, U. S. Government, and World History/Geography 1 and 2. Beginning with the Class of 2011, students will be required to take seven (7) semesters (3.5 credits) in social studies. The fundamental Social Studies block aligns with the Michigan Merit Curriculum. As such, student earning credit in this sequence satisfies current high school graduation requirements. *(NCAA)*

FUNDAMENTAL CIVICS Semester ½ Credit
This course centers on how the United States government functions and who your leaders are. Students will learn how a democratic government represents the various needs and interests of a diverse population. Students will learn how to participate in the United States political system before they are eligible to vote.

FUNDAMENTAL ECONOMICS Semester ½ Credit
This class is a study of the mixed capitalistic economic system of the United States. This course will include a history of economic thought, an analysis of American economic systems, current economic news and the tools of economic analysis. Financial choices that must be considered by individuals and businesses will be emphasized. The course will be required with the Class of 2011.

930 - FUNDAMENTAL U.S. HISTORY/GEOGRAPHY 1 Semester ½ Credit
This course concentrates on presenting an in-depth picture of the American past from the post-Civil War period to the end of World War I. Students will learn to define and use the basic vocabulary of American history. Emphasis will be placed on political and diplomatic events that have affected the social and cultural development of the society.

931 - FUNDAMENTAL U.S. HISTORY/GEOGRAPHY 2 Semester ½ Credit
This course concentrates on presenting an in-depth picture of the American past from 1920 to the present. Among the issues and events to be examined include the 1929 Stock Market Crash, the Depression, World War II, the Cold War, the United Nations, Vietnam War, the Civil Rights movement, and the Gulf War and more recent Historical events.

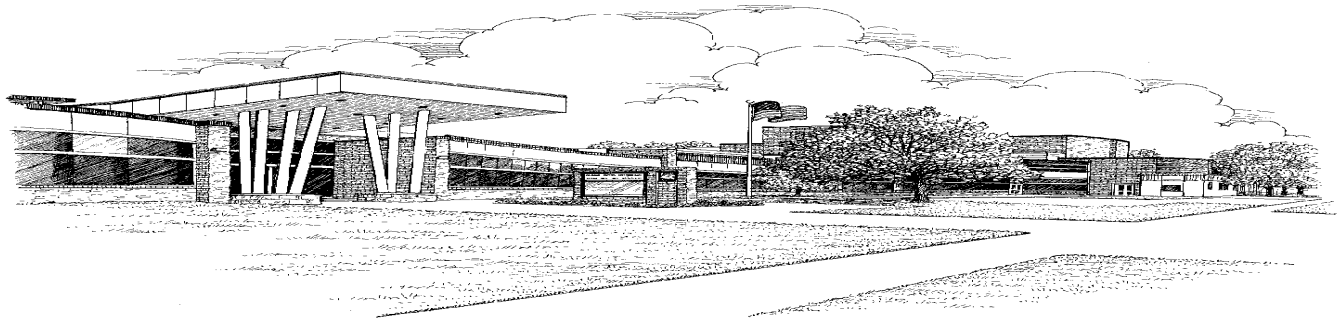
933 - FUNDAMENTAL U.S. GOVERNMENT Semester ½ Credit
This course concentrates on developing a knowledge and understanding of the system of government in the United States. The students will learn to define and use basic vocabulary of U.S. government at the federal, state and local levels. In addition, the students will study the structure and function of government and seek solutions to the problems facing our nation.

932/932B - FUNDAMENTAL WORLD HISTORY & GEOGRAPHY 1 & 2 1 Semester ea. ½ Credit
This course concentrates on concepts within physical and cultural geography with an emphasis on Europe, Asia, and Africa. The students will gain a better understanding of the world in which we live through the use of textbooks, films, charts, maps, graphs, and newspapers.

919/920 - STUDY SKILLS 1 Semester or 1 Year ½-1 Credit
Prerequisite: Department Permission
This course concentrates on providing the academic support necessary for students to be successful in their general education classes. It is designed to strengthen their academic skills while making them more responsible and organized. This course may include, but is not limited to: test taking strategies, reading across the curriculum, reading skills, math skills, note taking, sequencing, cause-effect, compare-contrast, mapping, graphs, and following directions. This is an elective course and may be repeated for up to 4 credits, as different objectives are covered each term.

899 - WORK EXPERIENCE 1 Semester or 1 Year ½ – 1 Credit
GRADES 11 - 12
Prerequisite: Department permission
This course is designed to give the students hands-on experience in the world of work. Students are required to have a contract signed by their employer, their parents, the vocational consultant and themselves. It is the responsibility of the students to have their timesheets verified and signed by their employer and to turn in evaluations by their employer. This is an elective course and is generally done after regular school hours. The minimum five hour per week work schedule is completed after regular school hours.

957/958 - CREATIVE INSPIRATIONS 1 Semester or 1 Year ½ – 1 Credit
GRADES 9 – 12
Prerequisite: Teacher Permission
Creative Inspiration is a school to work program that introduces the student to real life skills through a hands-on program. Life skills such as computer usage, cooking, money/budgeting skills, communication techniques, shopping, math and English skills, and much more are used to develop products that the students make and sell. Evening participation is required during parent/teacher conferences and other building activities. ARTS



CORE COURSES FOR CERTIFICATE OF COMPLETION STUDENTS

EE9-12ELA - ENGLISH Year 1 Credit
Essential Elements of Language Arts
Grades 9-12
This course is for certificate of completion students only. Students work toward individual goals in reading, writing, comprehension, and speaking. Reading and writing levels are assessed and the curriculum is adjusted to the student's individual needs. Students will be reading a wide variety of materials, while developing comprehension skills. Students will also be developing writing skills through classroom activities. This course is aligned with the MI-ACCESS assessment.

EE9-12MTH - MATHEMATICS
Essential Elements of Math Year 1 Credit
Grades 9-12
This course is for certificate of completion students only. Students work at a basic level in math calculations, math reasoning, problem solving, measurement, money, calendar, time, and math for daily living. This course is aligned with the MI-ACCESS assessment.

EE9-12LS - SCIENCE
Essential Elements of Life Science Year 1 Credit
Grades 9-12
This course is for certificate of completion students only. Students work on science as it is evident in daily life. Topics include the structure and function of living organisms, matter and energy in organisms and ecosystems, interdependent relationships in ecosystems, the nature of inheritance, natural selection and evolution. This course is aligned with the MI-ACCESS assessment.

EE9-12PS - Essential Elements of Physical Science Year 1 Credit
Grades 9-12
This course is for certificate of completion students only. Students work with structure and properties of matter in real-world situations that include oxygen, helium, sodium, aluminum, calcium, iron, lead, silver, gold, tin, nickel and copper. Chemical reactions and energy are also explored. This course is aligned with the MI-ACCESS assessment.

EE9-12ES - Essential Elements of Earth & Space Science Year 1 Credit
Grades 9-12
This course is for certificate of completion students only. Students will become familiar with the solar system, the history of the earth and how our earth works, the study of earthquakes, volcanoes, and glaciers, along with weather and climate. This course is aligned with the MI-ACCESS assessment.

EE9-12APS - Essential Elements of Applications of Science Year 1 Credit
Grades 9-12
This course is for certificate of completion students only. Students will increase awareness of current global challenges, study the impact of such challenges, and identify possible solutions to common, familiar problems. Challenges may range from complex real-world problems, to smaller, local problems, to direct experience (such as within the classroom, school, family, or community). This course is aligned with the MI-ACCESS assessment.

Core Courses for Certification of Completion Students

EE9-12EC - SOCIAL STUDIES
Essential Elements of Economics Year 1 Credit
Grades 9-12
This course is for certificate of completion students only. Students will become familiar with a market economy, supply and demand, the role of government in an economy, along with personal finance and decision making. This course is aligned with the MI-ACCESS assessment.

EE9-12USH - Essential Elements of U.S. History & Geography Year 1 Credit
Grades 9-12
This course is for certificate of completion students only. Course content will begin with 1870 and the Industrial Revolution, and proceed through World War I, the New Deal, World War II, the Cold War, the Civil Rights movement, the Women's Rights movement and understanding the 9/11 terror attacks and how they affected the United States. This course is aligned with the MI-ACCESS assessment.

EE9-12WH - Essential Elements of World History & Geography Year 1 Credit
Grades 9-12
This course is for certificate of completion students only. Students will become familiar with sources of influence/events across regions of the world including religions, trade, disease & epidemics, population changes, wars, etc.. Benefits and consequences of such influence/events will be explored. Basic maps, tables, charts, and other documents may be used. This course is aligned with the MI-ACCESS assessment.

EE9-12CIV - Essential Elements of Civics Year 1 Credit
Grades 9-12
This course is for certificate of completion students only. Students will demonstrate an understanding of the roles and responsibilities that citizens have in a civic and/or private life, and identify characteristics that make the United States a representative democracy. The structure and function of the U.S. government will be explored as well as an understanding of the Rule of Law and personal rights and why they are important. This course is aligned with the MI-ACCESS assessment.



DEPARTMENTAL OFFERINGS
VISUAL ARTS

Two (2) semesters (1 credit) is required in the visual, performing or applied arts.

9th Grade	10th Grade	11th Grade	12th Grade
Design Foundations Drawing Foundations Art Explorations Tradigital Studio	Design Foundations Drawing Foundations 3-D Design Studio Ceramics Studio Mixed Media Studio Art Explorations Tradigital Studio Painting Studio	<u>For juniors who have taken the Foundation courses in 9/10th grade:</u> 3-D Design Studio Ceramics Studio Color Studio Mixed Media Studio Tradigital Studio Painting Studio Portfolio Preparation <u>For juniors who have NOT taken the Foundation courses in 9/10th grade:</u> Art Explorations Design Foundations Drawing Foundations Yearbook	<u>For seniors who have not taken any art classes:</u> Art Explorations Design Foundations Drawing Foundations <u>For seniors who have taken the Foundation courses in grades 9/10:</u> 3-D Design Studio Ceramics Studio Color Studio Mixed Media Studio Tradigital Studio Painting Studio Portfolio Preparation AP Art Yearbook

175/176 - Yearbook Year 1 Credit
Grades 11-12
Prerequisite: Teacher Signature Required
Imprint is a laboratory course in the production of the school yearbook. This course provides practical experience in working on a yearbook. It includes selling ads; decision making involving theme, cover, division pages, layouts, and photographs; researching assignments; writing, editing, and proofreading copy; being proficient in computer use; and meeting deadlines. ARTS

589 - ART EXPLORATIONS Semester ½ Credit
Grades 9 – 12
This course is intended for students who want a broad overview of art techniques and aesthetic experiences to fulfill a semester of their fine arts graduation requirement but do not plan on taking the studio art classes offered here at APHS. Students will be expected to use their imagination, creativity, and problem-solving skills as they explore/research and write about the major artists and art movements throughout history and demonstrate what they learned through hands-on art projects based on the various artists whom they are studying. ARTS

621 - DESIGN FOUNDATIONS Semester ½ Credit
Grades 9 - 12
This course is one of three art foundation classes. It is an introduction to the elements, principles, vocabulary and mechanics of two dimensional design, including the exploration and application of color theory. This is the primary foundation course required for students who will be taking any of the other visual art *studio* classes. This call will explore 2-D and 2D concepts. ARTS

639 - DRAWING FOUNDATIONS Semester ½ Credit
Grades 9 - 12
This course is one of three art foundation classes and does not assume that the student has any strongly developed drawing skills. It is further assumed that the experienced student profits by exposure to a systematic exploration of drawing methods. Its primary purpose is to introduce the student to basic concepts in observational, formal composition and then begins to develop more creative and expressive responses. An 11x14" spiral-bound 50+ page sketchbook is required for all students. ARTS TECH NR

** Foundations classes must be completed
PRIOR to taking any of the studio classes
and not "simultaneously".

590 - PORTFOLIO PREPARATION Semester ½ Credit
Grades 11 – 12
Prerequisites:
1. Art Teacher consultation after completing a MINIMUM of 3 semesters of art classes including a foundations course.
2. Students MUST complete a minimum of five assigned observational drawings over the summer or they will not be admitted to the class in the fall. (Paper and drawing supplies will be provided to enrolled students in June of the prior school year.)
Students are provided with the elements necessary in creating a portfolio of art work for acceptance to a college or art school. Advanced junior and senior art students, who have successfully completed both foundation classes (Foundations of Design and Foundations of Drawing) and at least three other high school level art classes, will create and submit portfolios for evaluation. The culminating experience is each student exhibiting and justifying their body of work in a gallery setting. ARTS

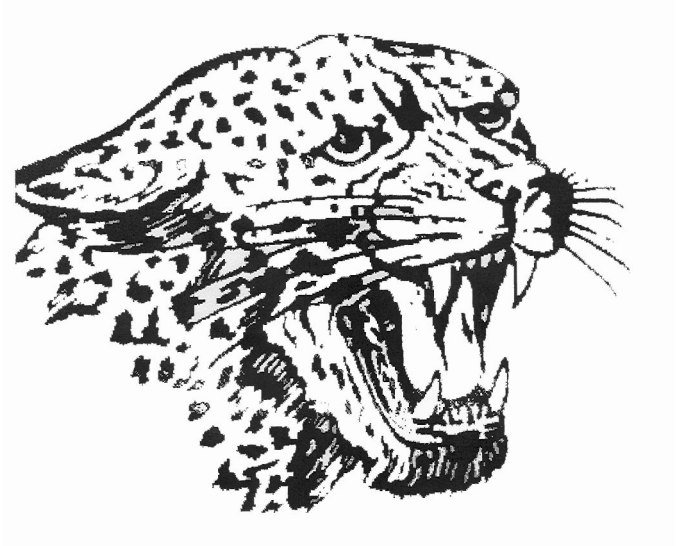
596 - 3-D DESIGN STUDIO Semester ½ Credit
Grades 10 – 12
Prerequisites*:* Design Foundations and either Drawing Foundations or Art Explorations
This class offers students an experience in creating art in the round. Students will learn to understand similarities and differences between 2-D and 3-D compositions. Traditional sculpture materials such as wood, plaster, wire, metal; jewelry materials such as beads and glass; and non-traditional materials such as found objects may all be explored. ARTS

595 - CERAMICS STUDIO Semester ½ Credit
Grades 10 – 12
Prerequisites: Design Foundations or Drawing Foundations or Art Explorations
This class offers students an experience with basic ceramics techniques. These include hand-building, pinch pot construction, soft and hard slab construction, wheel throwing, and tile work. Students will also learn glazing techniques including raku and smoke firing. ARTS

590AP – ADVANCED PLACEMENT ART
Grade 12
Prerequisites: Senior level with teacher approval

This is a full year college level course aimed at Seniors who have taken all other visual arts courses offered by our school and who have been signed in by the art teacher.
This course offers the potential to earn college credit with the submission of a portfolio in one of three areas. Students may submit in 2-D. 3-D, or drawing.

Students will work to develop a guided question and their work will serve as evidence answering their guided question. Students will also be required to complete 5 finished works to submit for assessment by the College Board. Students will participate in class critiques, be required to adhere to firm deadlines, and be expected to be in constant communication with their teacher.
Regular attendance is required for success in this class.



594 - COLOR STUDIO Semester ½ Credit
Grades 10 – 12
Prerequisites: Design Foundations and Drawing Foundations or Art Explorations
This course will explore a variety of color mediums and take a more in depth look at the color theory that was introduced in Foundations of Design. Students will experiment with chalk pastels, oil crayons, acrylic paints, color pencils, and other color sources TBD. ARTS

593 - MIXED MEDIA STUDIO Semester ½ Credit
Grades 10 – 12
Prerequisites*:* Design Foundations and Drawing Foundations or Art Explorations
This class offers students an experience in the art of collage through the use of textiles and other non traditional mixed media. Students will explore color and texture as they learn to use a variety of materials including paint, paper, found objects, adhesives, fibers and fabrics to create unique collaged compositions. ARTS

591 - PAINTING STUDIO Semester ½ Credit
Grades 10 – 12
Prerequisites: Design Foundations or Drawing Foundations or Art Explorations
This class offers students experiences in painting with several types of paint including watercolor, tempera, acrylic, and possibly oil. Students will learn how to choose and prepare appropriate painting grounds for each composition. Students will become familiar with appropriate brushes and brush techniques appropriate for each medium. ARTS

592 - TRADIGITAL STUDIO Semester ½ Credit

Grades 9 – 12
Prerequisites*:* Drawing Foundations and either 712 Computer Pathways or 720 Computer Apps or successful completion of a qualifying computer test administered by the tradigital art teacher.
Tradigital: the blending of traditional art with digital art. Digital and traditional artists use the same elements of art: line, shape, value, texture, and color. All traditional artists work in one or more mediums such as: oil, watercolor, acrylic, charcoal, pen and ink, pencil, wood, stone, clay, photography and silkscreen. The medium used to create digital art is a computer (and a scanner and/or a digital camera) with highly specialized graphic software.
In this course, students explore the computer as a tool in support of both the traditional artist and the graphic designer's practices, including software required for word processing and for creative digital imagery in both pixel and vector based software. Digital photography is also a component of this class. A variety of printing media are introduced and projects in each provide the experience necessary to go on with personal exploration. ARTS

637 - Independent Study Semester ½ Credit
Grade 12
Prerequisite: Successful completion of both Design Foundations and Drawing Foundations as well as successful completion of at least five of the six studio classes.
This class is offered only to advanced senior art students who have explored all the materials/processes offered here at APHS and now want to focus on one specific medium to create a body of work that reflects increasing skill and creativity in that particular medium. A detailed curriculum plan mutually approved by the student, the art teacher, the parents, the counselor, and the principal must be in place before a student may enter this class. Student Fee: TBD since most of the supplies will be purchased directly by the student as needed. ARTS

DEPARTMENTAL OFFERINGS
WORLD LANGUAGES

	SUGGESTED COURSE SEQUENCES			
8th GRADE	9th GRADE	10TH GRADE	11TH GRADE	12TH GRADE
	French I	French II	French III	French IV
Spanish I	Spanish II	Spanish III	Spanish IV	AP Spanish
	Spanish I	Spanish II	Spanish III	Spanish IV

Beginning with the Class of 2016, the Michigan Merit Curriculum requires two (2) years of a language other than English. In 2014, this requirement was modified. Students may substitute the second year with a VPA or CTE class.

511/512 - FRENCH 1 Year 1 Credit
Grades 9 - 12
French I is an introduction to the French language through the use and exploration of communication, cultures, connections, comparisons, and communities. Students will begin to communicate in French, gain knowledge and understanding of the cultures of francophone countries, connect with other disciplines and acquire information, develop insight into the nature of the French language and francophone culture, and learn about multi-lingual communities at home and around the world. Course objectives will be gained through daily use and exposure to reading, writing, listening and speaking activities. *(NCAA)* ARTS H.S.

515/516 - FRENCH 2 Year 1 Credit
Grades 10 - 12
Prerequisite: French 1 and Departmental Approval
French II is a continuation of the French language through the use and exploration of communication, cultures, connections, comparisons, and communities. Students will continue to communicate in French, gain knowledge and understanding of the cultures of francophone countries, connect with other disciplines and acquire information, develop insight into the nature of the French language and francophone culture, and learn about multi-lingual communities at home and around the world. Course objectives will be gained through daily use and exposure to reading, writing, listening and speaking activities. *(NCAA)* ARTS H.S.

521/522 - FRENCH 3 Year 1 Credit
Grades 11 - 12
Prerequisite: French 2 and Departmental Approval
French 3 is a continued expansion of the French language through the use and exploration of communication, cultures, connections, comparisons, and communities. Students will continue to communicate in French, gain knowledge and understanding of the cultures of francophone countries, connect with other disciplines and acquire information, develop insight into the nature of the French language and francophone culture, and learn about multi-lingual communities at home and around the world. Course objectives will be gained through daily use and exposure to reading, writing, listening and speaking activities. *(NCAA)* ARTS H.S.

525/526 - FRENCH 4 Year 1 Credit
Grade 12
Prerequisite: French 3 and Departmental Approval
French 4 is a continued expansion of the French language through the use and exploration of communication, cultures, connections, comparisons, and communities. Students will continue to communicate in French, gain knowledge and understanding of the cultures of francophone countries, connect with other disciplines and acquire information, develop insight into the nature of the French language and francophone culture, and learn about multi-lingual communities at home and around the world. Course objectives will be gained through daily use and exposure to reading, writing, listening and speaking activities. *(NCAA)* ARTS H.S.

513/514 - SPANISH 1 Year 1 Credit
Grade 9 - 12
Spanish I is an introduction to the Spanish language through the use and exploration of communication, cultures, connections, comparisons, and communities. Students will begin to communicate in Spanish, gain knowledge and understanding of the cultures of Spanish-speaking countries, connect with other disciplines and acquire information, develop insight into the nature of Spanish and culture, and learn about multi-lingual communities at home and around the world. Course objectives will be gained through daily use and exposure to reading, writing, listening and speaking activities. *(NCAA)* ARTS H.S.

517/518 - SPANISH 2 Year 1 Credit
Grades 9 - 12
Prerequisite: Spanish 1 and Departmental Approval
Spanish II is a continuation of the Spanish language through the use and exploration of communication, cultures, connections, comparisons, and communities. Students will continue to communicate in Spanish, gain knowledge and understanding of the cultures of Spanish-speaking countries, connect with other disciplines and acquire information, develop insight into the nature of Spanish and culture, and learn about multi-lingual communities at home and around the world. Course objectives will be gained through daily use and exposure to reading, writing, listening and speaking activities. *(NCAA)* ARTS H.S.

519/520 - SPANISH 3 Year 1 Credit
Grades 10 - 12
Prerequisite: Spanish 2 and Departmental Approval
Spanish 3 is a continued expansion of the Spanish language through the use and exploration of communication, cultures, connections, comparisons, and communities. Students will continue to communicate in Spanish, gain knowledge and understanding of the cultures of Spanish-speaking countries, connect with other disciplines and acquire information, develop insight into the nature of Spanish and culture, and learn about multi-lingual communities at home and around the world. Course objectives will be gained through daily use and exposure to reading, writing, listening and speaking activities. *(NCAA)* ARTS H.S.

529/530 – SPANISH 4 Year 1 Credit
Grade 11 - 12
Prerequisite: Spanish 3 and Departmental Approval
College Prep Spanish is a rigorous continuation of the Spanish language through the use and exploration of communication, cultures, connections, comparisons, and communities. This advanced level course is for students who began their studies in the 8th grade, and wish to complete 5 years of Spanish study, or as an alternate fourth year option. Students will continue to communicate in Spanish, gain knowledge and understanding of the cultures of Spanish-speaking countries, connect with other disciplines and acquire information, develop insight into the nature of Spanish and culture, and learn about multi-lingual communities at home and around the world. Course objectives will be gained through daily use and exposure to reading, writing, listening and speaking activities. *(NCAA)* ARTS H.S.

527/528 - ADVANCED PLACEMENT SPANISH LANGUAGE Year 1 Credit
Grade 11 - 12
Prerequisite: Spanish 3 and/or Spanish 4 and Departmental Approval
Advanced Placement Spanish is a continuation of the Spanish language through the use and exploration of communication, cultures, connections, comparisons, and communities. The AP course draws upon all of the students' previous language learning, with an emphasis on the use of the second language for both written and spoken communication. This course seeks to develop language skills, gain knowledge and understanding of the cultures of Spanish-speaking communities, connect with other disciplines and acquire information, and learn about multi-lingual communities at home and around the world. Added emphasis is placed on the format of the AP exam to prepare the students to take the exam and qualify them to earn college credit. *(NCAA)* ARTS H.S.

2025-2026

High School Administration

Jason P. Skiba, Principal
Giovanni Foster, Assistant Principal
Sean Laura, Assistant Principal
James Victor, Athletic Director/Clubs & Activities Director

Central Administration

Michael H. Darga, Superintendent
Dr. John Tafelski, Assistant Superintendent for Curriculum & Instruction
Dr. Matthew Sokol, Director of Special Education
Tiffany Keith, Director of Finance
Patrick Ward, Director of Operations
Lamar Davis, Director of Food Services

Board of Education

Dr. Jennifer Warren, President
Sarah C. Filipiak, Vice President
Laura Luecke, Secretary
Stephen Martin, Treasurer
Jason Babbage, Trustee
Michael Klein, Trustee
Jeannette MacDonald, Trustee