

The mission of Charlotte High School is to build a partnership of students, parents, community and staff committed to effective teaching and responsible learning. The partnership will provide: 1) A supportive learning environment where each student's individual needs will be addressed 2) Mastery of core curriculum 3) Development of abilities and interests 4) Respect for human diversity and social responsibility 5) Development of self-esteem and ability to adapt to change.

GRADUATION REQUIREMENTS CLASSES OF 2009 & 2010

ENGLISH - 4 Credits to include:

- 1 Credit of English 9
- 1 Credit of English 10
- 1 Credit of English 11
- 1 Credit of Composition or Advanced Composition

MATHEMATICS - 2 Credits chosen from:

- Algebra 1B, Geometry Concepts & Skills, Geometry, Algebra 2, Applied Mathematics
- Algebra 1A does not count toward a math credit, but does count for general credit. Exceptions are granted only by the recommendation of the Mathematics Department.*

Students are required to enroll in a math class in grades 9 and 10.
Students are strongly encouraged to take 3 credits in mathematics.

SCIENCE - 3 Credits to include:

- 1 Credit Biology
- 1 Credit Physical Science or Introduction to Chemistry/Physics
- 1 Credit of Earth Science or Chemistry

SOCIAL STUDIES - 3 credits to include:

- ½ Credit of Geography taken during ninth grade year
- 1 Credit of US History during tenth grade year
- 1 Credit Government/Economics taken during eleventh grade year
- ½ Credit of elective social studies classes Western Civilization, Current Issues, Michigan History, Psychology, Sociology, Popular Culture in Post World War II America, Lessons of the Vietnam War, or AP European History

HEALTH - ½ Credit to be taken during ninth grade year

PHYSICAL EDUCATION - ½ Credit to be taken during the freshman, sophomore or junior year. Students are encouraged to complete this requirement at the earliest grade possible. However, delaying physical education is often done to accommodate an elective program in which the student may be interested.

COMPUTER EDUCATION - 1 Credit

Information Technology Core is taken for computer education credit. Students with prior computer skills may test out of computer education. Those taking computer education may be eligible for L.C.C. credit.

GRADUATION REQUIREMENTS CLASSES OF 2011 & 2012

ENGLISH LANGUAGE ARTS - 5 Credits to include (pending board approval):

- English Language Arts 9
- English Language Arts 10
- English Language Arts 11
- English Language Arts 12
- Composition or Advanced Composition

MATHEMATICS - 4 Credits to include:

- Algebra I
- Algebra II
- Geometry
- One math course during 12th grade

PHYSICAL EDUCATION & HEALTH - 1 Credit

SCIENCE - 3 Credits to include:

- Biology
- Concepts in Chemistry/Physics -or- Intro. to Chemistry/Physics
- Earth Science or Chemistry

SOCIAL STUDIES - 3 Credits to include:

- World History & Geography
- U.S. History & Geography
- Government/Economics

VISUAL PERFORMING & APPLIED ARTS

1 Credit (Includes Instrumental & Vocal Music, Art Classes and Vocational Technical Education Classes)

ON-LINE LEARNING EXPERIENCE

Course, Learning or Integrated Learning Experience
(At this time this requirement is met by use of Blackboard in the 6th-12th grades)

ADDITIONAL REQUIREMENTS FOR ALL STUDENTS

Charlotte High School students must complete the **MME** or **MI-ACCESS** test when scheduled by the district, during the 11th grade year. Meeting the requirement means a student will give "honest effort" in completing all portions of the test. Students who do not initially qualify for a diploma endorsement, in all areas tested, must re-take the exam unless excused by a current IEPC. To clarify: Participation in the State of Michigan Assessment Program is a requirement for graduation from Charlotte High School.

Additional graduation requirements for all students include a minimum of 15 terms of full-time enrollment. Full-time enrollment is defined as four blocks or the equivalent per semester. Exceptions for full-time attendance must be approved by the principal, or in the case of special education students, by the Special Education Director.

THE 4X4 BLOCK SCHEDULE

The school day is divided into four (4) 90-minute instructional periods or blocks. Each semester is divided into two (2) terms and students take four (4) courses per term (one term equals 9 weeks; one semester equals 18 weeks).

Students have greater flexibility within a year to enter classes that traditionally would not begin until the start of the school year. The daily schedule allows for in-depth, focused, and organized concentration on fewer subjects. Research has shown such a schedule to be positive for students and teachers.

ATHLETIC ELIGIBILITY

Eligibility requirements and NCAA certification requirements are available through the Athletic Office.

TRANSFER STUDENTS

Students transferring to Charlotte High School from another school will be required to enroll as a fulltime student for two full semesters and earn at least eight credits in order to qualify for a Charlotte High School Diploma. Exceptions will be granted only if there is evidence of extenuating circumstances as determined by the principal and approved by the superintendent. Transfer credit will be accepted from schools that are NCA accredited or on the list of Michigan accredited schools. All other credits will be evaluated on an individual basis and may require equivalency testing.

OPEN PERIODS/EARLY GRADUATION

Seniors who have completed their graduation requirements by the end of the third term of their senior year may elect not to attend school during the fourth term of their senior year. Students who elect this option will not be allowed to participate in school activities.

Fourth term seniors may also elect to have one open block during the first or fourth block if, by enrolling in three classes, they will have enough credits to graduate with their class.

It is important that students understand the following before signing up for open periods or early graduation:

1. Students must be enrolled and passing three credits in order to participate in school athletics.
2. Students will be required to leave the building during their open periods.
3. Students cannot drop an 18-week or full-year course to have an open period.

TESTING OUT OF COURSES

In 1995, the Michigan Legislature passed Public Act 335 which requires that high schools develop alternative options for students to fulfill academic requirements. Section 1270B of the State School Code requires schools to provide an opportunity for high school students to “test out” of any course. The “test out” option does not include those courses in which students are currently enrolled.

In order to “test out”, students need to exhibit mastery of the subject matter by attaining a grade of not less than a C+ (77 %) on a final exam. The student may also be required to demonstrate mastery through other basic assessments used in the course such as portfolio, performance, paper, project, or presentation, in addition to or in lieu of, a final exam.

Teachers and counselors are not responsible for tutoring or providing instruction relative to students “testing out” of the course.

Students who “test out” of a course will not receive credit for the course or graduation, but will be allowed to take a higher level course in the same subject area. Students must earn a minimum of 29 credits for graduation.

Testing Out Schedule:

Beginning of September- Applications available in the guidance office

End of September – Completed applications are due to the principal

Beginning of October – Class test-out packets available

Beginning of December – All required course work is due/final exam is taken

Please note that by “testing out” of a course, a student will miss participation in discussions, classroom activities and opportunities to develop the skills which are nurtured by daily contact with the teacher and fellow students. If you have any question or concerns, please contact your child’s counselor. Applications are available in the guidance office.

SCHEDULING

Counselors meet with students to review and finalize their programs. It is highly recommended that students confer with parents and teachers before scheduling. Requests for course changes may be accepted during the first two days of each semester, but because the master schedule, teacher assignments, and the budget are based on how many students sign up for certain courses, class changes may not be possible. Students should also consider educational goals, career pathways, extra-curricular obligations, and time commitments when choosing classes.

CLASS STANDING

All classes will need the following minimum credit requirements for class designation:

- 6 Credits to become a sophomore
- 13 Credits to become a junior
- 21 Credits to become a senior
- 29 Credits to Graduate*

* Please note: Credits required to graduate may increase gradually over a four year period. This would be phased in starting with the Class of 2009.

CREDIT RECOVERY

Students who fail classes (and may not be able to graduate due to lack of credit) may exercise one of the following options to earn additional credits. Students will be responsible for all course fees. **Students need to see their counselor before enrolling in any of the following programs:**

1. Summer School
2. Correspondence Classes
3. After School Work Experience
4. Michigan Virtual High School

In addition:

1. Any senior student who becomes deficient in credit prior to May 1 shall not be allowed to participate in the Commencement Program.
2. Students who fail to earn enough credits to graduate prior to graduation will have until the first day of school in the fall of that year to receive a diploma from Charlotte High School.
3. Students may not apply more than a total of 3 credits earned outside of the regular school day toward graduation requirements. This would include courses taken in summer school, correspondence classes, after school work experience, or Michigan Virtual High School.

FULL CREDIT CLASSES

Dropping an 18-week or full year course will result in loss of credit for the first term. Credit is awarded based on completion of the full course. Under extenuating circumstances a student may submit a request to drop an 18-week or full year course. Students are responsible for completing the request form and getting parent and teacher recommendations and signatures. Class Drop forms are available in the Guidance Office.

HOMEWORK DESIGNATIONS

It is recommended that students balance high and low homework classes. Each course description has a homework designation which varies with the topics being studied. Designations are approximate:

1 = Daily

2 = 2 - 3 Times A Week

3 = Occasional

SENIOR HONORS AND GRADE POINT AVERAGE

Seniors earning graduation honors must have been in attendance at least three semesters at Charlotte High School. The grade point average is calculated three decimal places to determine class rank (example: 3.512).

Final grade point average (GPA) will be determined by the cumulative grade point average at the end of the third term of the senior year. Grade point will NOT include summer school, correspondence or night school classes.

DISTINGUISHED ACADEMIC STUDENTS (D.A.S.) - Classes of 2009 & 2010

Charlotte High School offers diploma endorsements for Distinguished Academic Students (D.A.S.). Students are encouraged to exceed standard graduation requirements based on their abilities, interests, and occupational plans. Diplomas of students completing the D.A.S. program will receive an embossed seal and their transcripts will reflect this information. The valedictorian and salutatorian must have met D.A.S. requirements. In addition, a D.A.S. student:

- Must have an overall 3.0 GPA in all courses
- Must have an overall 3.0 GPA in specified courses taken for D.A.S. requirements
- Must have earned 11th grade MEAP/ MME endorsements in all areas
- Must graduate with 32 credits
- Must meet all standard graduation requirements
- Must satisfy all specific requirements for D.A.S.
- Must file appropriate request for D.A.S. recognition.

ADDITIONAL QUALIFIERS

- **14 Core Course Credits Required Of Those Listed Below**
- At least four of the D.A.S. credits need to be taken during the senior year
- If any D.A.S. course is taken during the eighth grade, the following will apply:
 - ✓ No high school credit is earned
 - ✓ The grade will not be computed in the high school GPA
 - ✓ If used for D.A.S. a student must have received a "B" (3.0 or better)
- Dual enrollment college classes and Michigan Virtual High School Classes from the core subject areas will qualify for D.A.S. if a grade of "B" (3.0 or better) was earned. This needs principal approval.
- All five-core course areas need to be represented

Core Area Courses Accepted For D.A.S.

English

Advanced Composition
World Literature & Composition
British Literature & Composition
Advanced Placement English

Mathematics

Geometry
Algebra 2
Algebra 3 & Trigonometry
Pre-Calculus
Advanced Placement Calculus

Science

Introduction to Chemistry/Physics
Chemistry
Anatomy & Physiology
Physics
Advanced Biology
AP Physics

Social Studies

Western Civilization
AP U.S. History
AP European History
AP Government
AP World History
*Pop Culture
*Sociology
*Psychology
*Vietnam
*Michigan History
*Civil Rights
*Current Issues

World Language

French I
French II
French III
French IV
Spanish I
Spanish II
Spanish III
Spanish IV

*Nine week classes, ½ credit only

SPECIALIZED ENDORSEMENT PROGRAM (SEP)

Charlotte High School will offer specialized endorsements by department for students. The recognition will focus on students who have taken a series of courses in non-required curricular areas. Achievement of specialized endorsements will be noted on the students' transcript and an embossed seal noting the area of achievement will be placed on their diploma. The requirements for specialized endorsements are as follows:

- Must have an overall 3.0 GPA
- Must have an overall 3.0 GPA in the specialized area of endorsement
- Must earn minimum credit requirements as specified by each area
- Must file appropriate request for SEP recognition.

ENDORSEMENT AREAS REQUIRED CREDIT

AGRICULTURAL SCIENCE 3 Credits

- Wildlife & Natural Resource Management (1 Credit)
- Zoology (1 Credit)
- Landscape & Botany (1 Credit)
- Veterinary Science (1 Credit)
- Two Years of Participation in FFA

ART 4 Credits

- Art 1 (1/2 Credit)
- Art 2 (1/2 Credit)
- Art History (1/2 credit)
- Drawing (1/2 Credit)
- Painting (1/2 Credit)
- Advanced Art (1/2 Credit)
- Independent Study (1/2 Credit)
- Shared-Time Commercial Art (4 Credits) (*must also take additional 2 credits in above courses*)

BUSINESS MANAGEMENT ADMINISTRATION 5 Credits

- IT Core (1 Credit)
- Business & Management Services (2 Credits)
- Accounting I (1 Credit)
- Accounting II (1 Credit)

MARKETING 5 Credits

- Marketing I (1 Credits)
- Marketing II (1 Credit)
- Business Economics (1 Credit)
- Accounting I (1 Credit)
- Entrepreneurship (1 Credit)

INFORMATION TECHNOLOGY 5 Credits

- IT Core (1 Credit)
- IT Expert (1 Credit)
- Internet/Web Page Development (1 Credit)
- Department Electives (2 Credit)

INSTRUMENTAL MUSIC

- Symphony Band
- Concert Band
- Freshman Band
- Participating in one or more "extension" groups or activities
- Perform a solo at MSBOA Solo & Ensemble Festival for two years
- Must be enrolled in Band for four years

INSTRUMENTAL APPLIED MUSIC

- Symphony Band
- Concert Band
- Freshman Band
- Participating in one or more "extension" groups or activities
- Perform a solo at MSBOA Solo & Ensemble Festival for two years
- Pass the state proficiency Level 2 or 3 exam (including scales and sight reading)
- Music Theory & Ear Training
- Must be enrolled in Band for four years

VOCAL MUSIC

- Varsity Choir

- Chorale
- Music Theory & Ear Training
- Participation in an act for Cabaret for two years
- Participation at District Chorale Festival
- Participation at Solo & Ensemble for two years

AUTO 5 Credits

- Auto Technology 1 (1 Credit)
- Vocational Auto 1 (2 Credits)
- Shared-Time Auto Mechanics (4 credits)

DRAFTING 5 Credits

- Drafting 1 (1 Credit)
- CAD (1 Credits)
- Architectural Drafting (1 Credit) or
- Shared-Time Drafting (4 Credits)

WOODS/CONSTRUCTION TECHNOLOGY 5 Credits

- Woods 1 (1/2 Credit)
- Woods 2 (1/2 Credit)
- Drafting 1 (1 Credit)
- Shared-Time Home Construction (4 Credits)
- Independent Study (1 Credit)

WELDING 5 Credits

- Automotive Technology 1 (1 Credit)
- Drafting 1 (1 Credit)
- Shared-Time Welding (4 Credits)

CHILD CARE 5 Credits

- Parenting (1/2 Credit)
- Personal/Family Relations (1/2 Credit)
- Shared-Time Child Care or Teacher Preparation (4 credits)

ENGLISH CURRICULUM

Note: All required and elective English classes incorporate a "communications" approach. Reading, writing, speaking and listening can be expected in each course.

ENGLISH 9

Grade 9 1 Credit – 18 Weeks
HOMEWORK: 1

English 9 is an 18-week course, which will concentrate on the following areas of study: Literature, composition, vocabulary, oral communication and English grammar and usage. Students will engage in several units of study, which will include short stories; non-fiction, *To Kill A Mockingbird* and a Shakespearean play *Romeo and Juliet*.

ENGLISH 10

Grade 10 1 Credit – 18 Weeks
HOMEWORK: 1
PREREQUISITE: English 9

English 10 is an 18-week course, which will focus on the following major areas of study: vocabulary, literature, writing, English usage, and oral communication. We will be using the Prentice Hall Literature series,

which emphasizes critical thinking and active reading.

ENGLISH 11

Grade 11 1 Credit – 18 Weeks
HOMEWORK: 1
Prerequisites: English 9 and English 10

English 11 is an 18-week writing intensive, American literature-based course. Major units of study include: literature, vocabulary, composition, oral communication, and English grammar and usage. We will be using the Holt, Rinehart and Winston *Elements of Literature* series.

SPEECH

Grades 10-12 ½ Credit – 9 Weeks
HOMEWORK: 2
PREREQUISITE: English 9

Speech will help a student feel more at ease while speaking to individuals or to a group. This course involves the student in several different types of speaking situations beginning with short, simple speeches then advancing to more formal types of speaking. Speech also explores the role of speaking and communicating in the technological and work world.

INTRODUCTION TO DRAMA

Grades 10-12 ½ Credit – 9 Weeks
HOMEWORK: 2
PREREQUISITE: English 9

This 9-week course is an introduction to theater appreciation and performance. Many aspects of the theater will be covered. These include: exploring the history of the theater; reading plays followed by discussion, analysis, and characterization; improvisations, studying stage techniques and acting techniques. Students will learn the stages of play production and will perform 2-3 dramatic scenes.

CREATIVE WRITING

Grades 9-12 ½ Credit – 9 Weeks
HOMEWORK: 2
PREREQUISITE: English 9

In the middle of a hectic high school schedule a learner occasionally needs an outlet from the real world. Creative Writing profiles this escape through an often forgotten tool – one's imagination. Students will be encouraged to write in many genres including poetry, short story, non-fiction, autobiography, and various others.

SPORTS IN LITERATURE

Grades 10-12 ½ Credit – 9 Weeks
HOMEWORK: 2
PREREQUISITE: English 9

This class will culminate a shared interest between athlete, the fan, and even the critic. This shared interest is the relationship of sports to life. The themes studied are purposefully universal to ensure the class has meaning for everyone. Thematic units include the relationship between sports and life, and the reasons that authors use sports in their literature.

COMPOSITION

Grades 10 & 11 1 Credit – 18 Weeks
HOMEWORK: 1
PREREQUISITE: English 9

The purpose of this course is to provide students with the opportunity to enhance writing skills. The focus is on essay writing, which encourages students to develop, organize and support an argument. The class will focus on the entire writing process from idea development to publication. In addition to essay development, students will focus on grammar, usage and vocabulary and apply those concepts to their written pieces.

WORLD LITERATURE AND COMPOSITION (DAS)

Offered in 2009-2010
Grades 11-12 1 Credit – 18 Weeks
HOMEWORK: 1
PREREQUISITES: English 9, English 10

World Literature and Composition is an 18-week class. It uses both chronological and thematic approach to world masterpieces. Students will reflect on the culture and concern of the author. Short stories, drama, poetry, and non-fiction will all be a part of our studies. The writing process will be a strong component of this class, with emphasis given to analyzing and evaluating various pieces of literature. Students will work with various forms of expository writing such as: narration; cause and effect; comparison and contrast; persuasive, definition and process analysis essays.

BRITISH LITERATURE AND COMPOSITION (DAS)

Offered in 2008-2009
Grades 11-12 1 Credit – 18 Weeks
HOMEWORK: 1
PREREQUISITES: English 9, English 10

British Literature is an advanced course that offers students the opportunity to closely examine selections of literature from numerous different authors and time periods, including Elizabethan, Victorian, Romantic, and Modern. A strong emphasis will be placed on expository writing, as well as long-term project work that culminate in formal and informal presentations. Assessments will be based on participation in small and large group discussions, as well. This is a challenging course that will require students to think critically, probing beneath surface level understanding of chosen pieces of literature. The expectation is that students will work hard to consistently produce high quality products.

ADVANCED COMPOSITION (DAS)

Grades 11-12 1 Credit – 18 Weeks
HOMEWORK: 1
PREREQUISITES: English 9 and English 10

Advanced Composition is a semester course designed to help students write clear, concise essays. Students will work with various forms of expository writing including, but not limited to, narratives,

cause and effect, comparison and contrast, persuasive, definition, and process analysis essays. Rules for grammar and usage will be emphasized in all papers throughout the semester.

ADVANCED PLACEMENT ENGLISH (DAS)

Grade: 12 Only 1 Credit – 18 Weeks
HOMEWORK: 1
PREREQUISITES: Department Permission; English 9, English 10, English 11, and one of the following" British Literature and Composition, World Literature and Composition, or Advanced Composition. Summer reading assignments will be required prior to the class.

This is a college level course. Students, by good performance on the Advanced Placement Examination, can obtain up to one year of college credit and/or advanced placement in college composition. This course includes both the daily reading and analysis of discursive prose and the study of the process of writing – from the discovery of the topic to the preliminary drafts to the final edited edition. Students will study examples of prose from various fields and periods primarily in British and American Literature. These examples will serve as models of effective styles, and students will compose a variety of writing assignments calling for the use of different styles or tones. Composition assignments take the form of journal writing, impromptu essays, full length, formal essays, and research.

WORLD LANGUAGE CURRICULUM

FRENCH I & II (DAS)

Grades 9-12 2 Credits – Full Year Course
HOMEWORK: 2
PREREQUISITE: "C" or better in English

French I develops a vocabulary adequate for everyday situations, a fundamental knowledge of French grammar and accurate pronunciation. Students practice reading, writing, listening and speaking French within the context of basic situations. An understanding and appreciation of French speaking people, their cultures and their lands is promoted.

PREREQUISITE FOR FRENCH II: "C" or better in French I

FRENCH II continues the study of grammar and vocabulary, and also stresses oral and written communication. Further understanding and appreciation of French speaking people, their cultures and their lands is promoted. It is recommended that French I & II be taken in consecutive semesters. A field trip may be offered to students.

PREREQUISITE FOR FRENCH III: "C" or better in French II

FRENCH III (DAS)

Grades 10-12 1 Credit – 18 Weeks

HOMEWORK: 2
PREREQUISITES: French I & II

French III continues to stress and practice communication. Additional vocabulary and grammatical structures are introduced and practiced within a cultural context. A field trip may be offered to students.

FRENCH IV (DAS)

Grades 10-12 1 Credit – 18 Weeks
HOMEWORK: 2
PREREQUISITE: “C” or better in French III

French IV students spend the majority of their time applying learned skills in reading, writing, listening and speaking activities and projects. Communication continues to be stressed. Additional vocabulary is learned and grammar is reviewed as needed. Cultural studies continue. A field trip may be offered to students.

SPANISH I & II (DAS)

Grades 9-12
2 Credits – Full Year Course
HOMEWORK: 2
PREREQUISITE: “C” or better in English

Spanish I develops a vocabulary adequate for everyday situations, a fundamental knowledge of Spanish grammar and accurate pronunciation. Students practice reading, writing, listening and speaking Spanish within the context of basic situations. An understanding and appreciation of Spanish speaking people, cultures and lands is promoted.

Spanish II continues the study of grammar and vocabulary, but stresses oral and written communication. Further understanding and appreciation of Spanish speaking people, their cultures, and their lands is fostered. It is recommended that Spanish I & II be taken in consecutive semesters. A field trip may be offered to students.

SPANISH III (DAS)

Grades 10-12 1 Credit – 18 Weeks
HOMEWORK: 1
PREREQUISITE: Spanish II
Intermediate Spanish continues to stress communication. Additional vocabulary and grammatical structures are introduced and practiced within a cultural context. Students work daily in cooperative groups. Holidays are observed and celebrated. A field trip may be offered to students.

SPANISH IV (DAS)

Grades 10-12 1 Credit – 18 Weeks
HOMEWORK: 3
PREREQUISITES: Spanish III

Spanish IV students spend the majority of their time applying learned skills in reading, writing, listening and speaking activities and projects. Communication continues to be stressed. Cultural studies continue. Grammar is reviewed as needed and additional vocabulary is learned. Students work daily in cooperative groups. A field trip may be offered to students.

MATHEMATICS CURRICULUM

ALGEBRA 1A

Grade 9 1 Credit - 18 Weeks
HOMEWORK: 1
PREREQUISITE: Recommendation of eighth grade mathematics teacher

This course covers the first half of the Algebra 1 curriculum as set forth in the State of Michigan content standards. The topics include understanding the real number system, developing and evaluating algebraic expressions, writing, solving, and graphing linear equations and inequalities using one or two variables, writing and solving systems of two or three linear equations in two or three variables, simplifying expressions using laws of exponents, and solving and graphing functions involving exponential growth and decay. In addition, Michigan Merit Exam topics will be highlighted.

ALGEBRA 1B

Grades 9-10 1 Credit - 18 Weeks
HOMEWORK: 1
PREREQUISITE: Algebra 1A or recommendation of eighth grade mathematics teacher.

This course is designed to cover the second half of the Algebra 1 curriculum as set forth in the State of Michigan content standards. Algebra 1B topics include solving quadratic equations by factoring, by completion of the square, and by using the quadratic formula, solving and graphing rational equations and functions, solving and graphing radical equations and functions, solving right triangles using the Pythagorean Theorem and the trigonometric ratios, and families of functions. In addition, Michigan Merit Exam topics will be highlighted.

GEOMETRY (DAS)

Grades 9-12 1 Credit - 18 Weeks
HOMEWORK: 1
PREREQUISITE: Algebra 1B

This course is designed to cover the Geometry curriculum as set forth in the State of Michigan content standards. It is a relatively traditional study of Euclidean geometry, including undefined terms, definitions, postulates, and theorems, all of which are used to describe the properties of one, two, and three-dimensional figures. Transformations and measurement formulas are included. In addition, Michigan Merit Exam topics will be highlighted.

GEOMETRY CONCEPTS & SKILLS

Grades 10-12 2 Credits - 36 Weeks
HOMEWORK: 1
PREREQUISITE: Algebra 1B

This course is an alternative to Geometry. It, too, is designed to cover the Geometry curriculum as set forth in the State of Michigan content standards. Although the same concepts will be included, the pace of the course will be slower. In addition,

Michigan Merit Exam topics will be highlighted.

APPLIED MATHEMATICS

Grades 11-12 1 Credit - 18 Weeks
HOMEWORK: 1
PREREQUISITES: Geometry or Geometry Concepts & Skills

This course is for students who have completed Geometry or Geometry Concepts & Skills and need additional practice before starting Algebra 2. Topics from algebra, geometry and trigonometry are included and emphasis is placed on solving problems that demonstrate the practical use of mathematics in various settings. In addition, Michigan Merit Exam topics will be highlighted.

ALGEBRA 2A (DAS)

Grades 10-12 1 Credit - 18 Weeks
HOMEWORK: 1
PREREQUISITES: Geometry, Applied Mathematics or Geometry Concepts & Skills (with teacher recommendation)

This course is designed to cover the first half of the Algebra 2 curriculum as set forth in the State of Michigan content standards. Topics include review and extension of Algebra 1B topics, matrices and determinants, complex numbers and quadratic systems, polynomial operations and theorems, and exponential and logarithmic functions. In addition, Michigan Merit Exam topics will be highlighted.

ALGEBRA 2B with TRIGONOMETRY (DAS)

Grades 11-12 1 Credit - 18 Weeks
HOMEWORK: 1
PREREQUISITE: Algebra 2A

This course is designed to cover the second half of the Algebra 2 curriculum as set forth in the State of Michigan content standards. Those topics are conic sections, sequences and series, probability and statistics, and trigonometric functions, identities, and equations. In addition, Michigan Merit Exam topics will be highlighted.

PRE-CALCULUS (DAS)

Grades 11-12 1 Credit - 18 Weeks
HOMEWORK: 1
PREREQUISITES: Algebra 2B with Trigonometry

Pre-Calculus topics included are function analysis, limits, maximum and minimum values of functions, and basic differentiation and integration. The course will cover units on logic, mathematical induction, permutations, combinations, and the binomial theorem. Units on trigonometry, polar coordinates, and complex numbers will be studied. In addition, Michigan Merit Exam topics will be highlighted.

AP CALCULUS (DAS)

Grade 12 1 Credit - 18 Weeks
HOMEWORK: 1
PREREQUISITE: Pre-Calculus
This course prepares students to earn college calculus credit by taking the

Calculus AB Advanced Placement test in May. The course includes the Calculus AB objectives, namely, differentiation and integration of polynomial, rational, exponential, logarithmic, trigonometric, and inverse trigonometric functions.

SCIENCE CURRICULUM

Courses are designed to provide students with an overview of the core curriculum in a field of science. Many of the same topics are covered in comparable general and college preparatory courses, but the general courses do not go into as much depth and detail. Mathematics is not used extensively.

College preparatory courses (those designated as DAS courses) are designed to provide students with a thorough science background. These courses will prepare students for success on tests such as the ACT used for selecting applicants to higher education programs. Mathematics is used extensively.

BIOLOGICAL SCIENCE

Grade 9 1 Credit – 18 Weeks
HOMEWORK: 1

This is a course, which includes an in-depth study of living organisms. Topics include cellular growth and reproduction, genetics, diversity and classification of living organisms and ecology.

CONCEPTS IN CHEMISTRY AND PHYSICS

Grades 10-12 1 Credit – 18 Weeks
HOMEWORK: 2
PREREQUISITE: Biological Science; sophomore standing

This general course includes an introduction to matter and energy. Topics include: atoms, periodic table, chemical reactions, solutions, nuclear energy, motion, energy, electricity, magnetism, waves, sound and light.

INTRO TO CHEMISTRY/PHYSICS (DAS)

Grades 10-12 1 Credit – 18 Weeks
HOMEWORK: 1
PREREQUISITES: "C" or better in Biological Science and a "C" average in Algebra 1B; sophomore standing

This course will cover the same topics as Concepts in Chemistry and Physics but in a more rigorous context and in greater depth. Topics include: atoms, periodic table, chemical reactions, solutions, nuclear energy, motion, energy, electricity, magnetism, waves, sound and light.

EARTH SCIENCE

Grades 10-12 1 Credit – 18 Weeks
HOMEWORK: 2
PREREQUISITE: Biological Science

This course includes four (4) units: the Astronomy; Atmosphere and Weather; Hydrosphere; and the Geosphere. Topics include: plate tectonics and the dynamic earth; the geological makeup of the Earth;

the importance of ground water; the movements of the Earth and an in-depth study of the Universe.

ANATOMY & PHYSIOLOGY (DAS)

Grades 10-12 1 Credit – 18 Weeks
HOMEWORK: 1
PREREQUISITE: Biological Science

This is a college preparatory course for students interested in the medical or athletic field and as a continuation of biology. It provides a study of the anatomy and physiology of individual human body systems and an appreciation for the interrelationships of the structure of the body. Body systems included are: skeletal, muscle, nervous, integumentary, circulatory, respiratory, digestive, immune, and reproductive, along with human development, health, and disease. Animal dissection will be required.

CHEMISTRY (DAS)

Grades 11-12 1 Credit – 18 Weeks
HOMEWORK: 1
PREREQUISITES: "C" or better in Intro. to Chemistry/Physics; "C" or better in Algebra 2B/Trigonometry (can be concurrently enrolled)

A college preparatory course for the student who desires further study of measurement of matter, atomic structure, periodic table, equations and mole relationships, gas laws, solutions, acids, and bases. Topics, which were introduced earlier, are explored in greater depth and detail along with many new topics.

PHYSICS I (DAS)

Grades 11-12 1 Credit – 18 Weeks
HOMEWORK: 1
PREREQUISITES: "C" or better in Intro. to Chemistry/Physics, and a "C" or better Algebra 2B/Trigonometry (can be concurrently enrolled)

A college preparatory class for the student who desires further study of the topics of One-Dimensional Motion, Two-Dimensional Motion, Laws of Motion, Projectiles, Collisions and Rotation. Topics are reintroduced and are explored at a greater depth using computer labs and computer programs. Students will use hands on activities for further exploration. Students will also have a chance to design and create their own projects for the topics of study. A field trip to an amusement park will allow for out of the classroom application for the topics of study.

PHYSICS II/ADVANCED PLACEMENT PHYSICS (DAS)

Grade 12 1 Credit – 18 Weeks
HOMEWORK: 1
PREREQUISITES: "C" or better in Physics I

A college preparatory class, Physics II will continue with the study of the topics covered in Physics I. Physics II will introduce new topics such as Rotational Dynamics, Vibrations and Waves, Thermodynamics, Light & Optics, Electricity & Magnetism and Astronomy. Students will use hands on activities for further

exploration. Students will also have a chance to design and create their own projects for the topics of study. A field trip to an amusement park will allow for out of the classroom application for the topics of study. These topics will parallel a typical AP Physics class and students could have an opportunity to earn college credit by taking the advanced placement test at the end of the year.

FORENSIC SCIENCE

Grades 10-12 1 Credit – 18 Weeks
HOMEWORK: 2
PREREQUISITES: Biological Science & Physical Science

Forensic Science is the introduction to the application of science to the law. Science offers the knowledge and technology needed for definition, enforcement and clarification of the use of evidence in criminal and civil cases. Forensic Science draws on the application of the sciences.

The course focus will be on problem solving. Students will be expected to work in teams, theorize, design experiments, research forensic methodologies, synthesize information, and make conclusions based on their own empirical evidence. Topics will include: Crime Scene Analysis, Physical Evidence, Forensic Toxicology, Fingerprint Analysis, Document Analysis, DNA Analysis, Forensic Anthropology, and Reading, writing and Analyzing Case Studies.

ADVANCED BIOLOGY (DAS)

Grade 12 1 Credit – 18 Weeks
HOMEWORK: 1
PREREQUISITES: "B" or better in Chemistry and Teacher Approval

A college preparatory course, Advanced Biology is a continuation of Biology for the student who desires more in-depth and detailed study of living organisms. Topics parallel those covered in a typical advanced placement test at the end of the year. This course follows an independent approach to the scientific method with emphasis on laboratory experiments, group study, animal dissection, and field study. A science project will be required. Students will be given the opportunity to earn college credit by taking the Advanced Placement test at the end of the year.

SOCIAL STUDIES CURRICULUM

WORLD HISTORY & GEOGRAPHY

Grade 10 1 Credit
HOMEWORK: 2

World History is the study of past human events and activities and their influence on the significant cultural and political events that have occurred from the beginning of human history until modern times. Students will study the unique environmental and geographic features that led to the development of civilizations with common characteristics in different regions of the world.

MICHIGAN HISTORY (DAS)

Grades 9-12 ½ Credit – 9 Weeks

HOMEWORK: 2

PREREQUISITES: Strong interest in social studies

This course is an in-depth study of the history and geography of Michigan from early exploration to the modern era of industrial Michigan. Through the study of Michigan History students will gain a better understanding of their state. Due to the different grade levels of the class it will be project based.

U.S. HISTORY & GEOGRAPHY

Grade 9 1 Credit – 18 Weeks

HOMEWORK: 2

This is a survey course of American history beginning with the Second Industrial Revolution concluding with contemporary subjects.

WESTERN CIVILIZATION (DAS)

Grades 10-12 1 Credit – 18 Weeks

HOMEWORK: 1

PREREQUISITES: Successful completion Of U.S. History & Geography

This is an in-depth study of ancient and European cultures. The course utilizes aspects of the humanities, history, and literature to enrich student learning. Emphasis is placed on critical thinking and writing in coordination with a conceptual view of history. Western Civilization will be offered to all students who seek a full credit in a college preparatory social studies course.

ADVANCED PLACEMENT U.S. HISTORY (DAS)

Grade 10-12 1 Credit – 18 Weeks

HOMEWORK: 1

PREREQUISITE: Successful completion of summer work.

This is an intensive survey which examines United States History from pre-colonial times to modern times. This course has four main goals. First, students will gain a better understanding of the flow of history by linking historical periods thematically in a cohesive and chronological manner. Second, students will be exposed to the tools and methods used by the historian. Third, students will have the opportunity to gain college credits by passing AP United States History exam in May. Finally, this course will give students prior exposure to what will be expected of them in a typical college humanities course.

ADVANCED PLACEMENT EUROPEAN HISTORY (DAS)

Grade 11-12 1 Credit - 18 Weeks

HOMEWORK: 1

PREREQUISITES: Successful completion of U.S. History and World History and Geography

This is an intensive survey which examines European History from approximately 1450 to the present. This course has four main goals. First, students will gain a better

understanding of the flow of history by linking historical periods thematically in a cohesive and chronological manner. Second, students will be exposed to the tools and methods used by the historian. Third, students will have the opportunity to gain college credit by passing the A.P. European History exam in May. Finally, this course will give students prior exposure to what will be expected of them in a typical college humanities course.

ADVANCED PLACEMENT WORLD HISTORY (DAS) TENTATIVE

Grades 10-11 1 Credit – 18 Weeks

HOMEWORK: 1

PREREQUISITES: Successful completion of summer assignments

This is an intensive survey which examines World History from approximately 8000 B.C. to the present. This course has four main goals. First, students will gain a better understanding of the flow of history by linking historical periods thematically in a cohesive and chronological manner. Second, students will have the opportunity to gain college credit by passing the A.P. World History exam in May. Finally, this course will give students prior exposure to what will be expected of them in a typical college humanities course.

ADVANCED PLACEMENT US GOVERNMENT (DAS)

Grade 11-12 1 Credit 18 Weeks

HOMEWORK: 1

This course will give students an analytical perspective on government and politics in the United States. This course includes both the study of general concepts used to interpret US politics and the analysis of specific examples. It also requires familiarity with the various institutions, groups, beliefs, and ideas that constitute US politics. Students will become acquainted with the variety of theoretical perspectives and explanations for various behaviors and outcomes. Students will have the option of taking the Advanced Placement test in May to receive college credit. This course will also provide students the ½ credit of economics through independent study and a Post-AP test economic unit. These are designed to provide the students with a working knowledge of economics so they can meet their responsibilities as a participant in the market economy, and personal finance.

GOVERNMENT/ECONOMICS

Grade 11 1 Credit 18 Weeks

HOMEWORK: 2

The United States government course is intended to provide the student with a working knowledge of American Government and politics, which is important if students re to meet their responsibilities as citizens and as participants in our democracy. Both the students and their community will be better served if they are well informed and can think clearly and objectively about societal and political questions. This course is designed to function as a means to that end.

The Economics course is intended to provide the students with a working knowledge of economics which is important if students are to meet their responsibilities as citizens and as participants in a market economy. Both the students and their community will be better served if they are well informed and can think clearly and objectively about economic questions. This course is designed to function as a means to that end.

POPULAR CULTURE IN POST WORLD WAR II AMERICA I 1945-1970 (DAS)

Grades 10 - 12 ½ Credit – 9 Weeks

HOMEWORK: 2

PREREQUISITE: Successful completion of U.S. History

Viewed as an original historical source, popular culture is often a revealing barometer of society, reflecting the diverse moods and views of the American public at different times in history. Popular culture presents insights and multiple points of view as well as an emotional impact, which other historical documents, particularly written, often lack. Through popular culture, history comes alive and students connect directly with people and events, which may otherwise seem remote to them. As such, popular culture can be a powerful tool to introduce recent historical events and issues. Music, books, movies and T.V. will serve as the catalyst for the study of popular culture.

POP CULTURE II 1971 TO PRESENT (DAS)

Grade 11-12 ½ Credit – 9 Weeks

HOMEWORK: 2

PREREQUISITE: Successful completion of Pop Culture I

Viewed as an original historical source, popular culture is often a revealing barometer of society, reflecting the diverse moods and views of the American public at different times in history. Popular culture presents insights and multiple points of view as well as an emotional impact, which other historical documents, particularly written, often lack. Through popular culture, history comes alive and students connect directly with people and events, which may otherwise seem remote to them. As such, popular culture can be a powerful tool to introduce recent historical events and issues. Music, books, movies and T.V. will serve as the catalyst for the study of popular culture.

CURRENT ISSUES (DAS)

Grade 9-12 ½ Credit – 9 Weeks

HOMEWORK: 2

PREREQUISITES: None

Current Issues is a study of events currently affecting society. Due to the ever changing nature of the world around us, these issues can and will be different from semester to semester. The course is designed to make the students more aware of the issues and how they might affect their life here in Charlotte.

LESSONS OF THE VIETNAM WAR (DAS)

Grades 10-12 ½ Credit – 9 Weeks

HOMEWORK: 1

PREREQUISITES: Successful completion of U.S. History

The Lessons of the Vietnam War is a nine-week elective course designed to trace the Vietnam War from its roots in the cold war to the present.

PSYCHOLOGY (DAS)

Grades 11-12 ½ Credit – 9 Weeks

HOMEWORK: 2

PREREQUISITES: Successful completion of Civics and U.S. History

Class covers the fundamentals of psychology, physical and mental development, personality, learning theory, motivation and self-concept. Helpful for anyone who plans to work with people.

SOCIOLOGY (DAS)

Offered 2009-2010

Grades 10-12 ½ Credit – 9 Weeks

HOMEWORK: 2

PREREQUISITES: Successful completion of U.S. History

Social life is based on a foundation of dynamic interaction between people and their environment. Students would explore this through writing assignments, research projects, discussion, and real-life applications. Students will be able to understand the relationship between themselves and society as they study various sociological methods and practice using the skills of the sociologists.

CIVIL RIGHTS (DAS)

Grades 10-12 ½ Credit 9 Weeks

HOMEWORK: 2

PREREQUISITES: Successful completion of U.S. History

This course will examine civil rights in U.S. history beginning with the U.S. Constitution. The major focus will be on the Black Civil Rights Movement. We will also explore the status of civil rights in today's society. A research project is required.

AGRI-SCIENCE AND NATURAL RESOURCES PATHWAY

AGRICULTURAL SCIENCE CURRICULUM

LEADERSHIP IN AGRI-SCIENCE

Grades 9-12 1 Credit–18 Weeks

HOMEWORK: 3

Leadership in Agri-Science explores the importance of leadership and personal development to school, community and employment within the community. Leadership styles, written and oral communication, group dynamics and developing skills for goal setting, time management and decision making are many of the topics that will be covered. We will provide direction on how to find, obtain and keep a job. We will create a resume

and portfolio, complete a job application and college application, explore careers in the agricultural field and review history of the FFA. We will learn how to write and deliver public speeches and proper parliamentary procedure. Students will join the FFA organization and will be expected to write and present either a speech,

WILDLIFE AND NATURAL RESOURCE MANAGEMENT

Grades 9-11 1 Credit – 18 Weeks

HOMEWORK: 2

This class is meant to serve as an introduction to wildlife management and natural resource conservation. Topics include protecting our environment, wildlife habitats, ecosystems and their components including predator-prey relationships, endangered species, biomes, forestry management, raptors, snakes, ocean and African wildlife.

ZOOLOGY (Formerly Animal Science)

Grades 9-11 1 Credit – 18 Weeks

HOMEWORK: 2

This is an introductory course in food animal production and management, providing students with a basic understanding of food and animal care. Students will study animal domestication, biological make-up, products, nutrition, and reproduction. There will also be a fetal pig dissection. This course is meant to be an introduction to veterinary medicine.

LANDSCAPE & BOTANY

Grades 9-12 1 Credit – 18 Weeks

HOMEWORK: 2

This course is designed to give students a hands-on opportunity to learn about the many facets of plants and landscape design and construction. Topics include plant structures and functions, floriculture, green house management, fruits/vegetables, and hydroponics. Students will learn about the design, construction and maintenance sectors of the landscape industry. Students will create their own designs using accepted design skills and practices. Hands-on skills in building and maintaining residential landscapes will be used.

VETERINARY SCIENCE

Grades 10-12 1 Credit – 18 Weeks

HOMEWORK: 3

This class provides students an advanced course of study in animal science. Topics include an introduction to veterinary medicine, causes of disease, disease recognition, animal health, immunity, and disease prevention. Students will be exposed to the career opportunities and responsibilities involved with veterinary science.

Lansing Community College Shared Time Programs in Agri- Science and Natural Resources Pathway

ANIMAL SCIENCE (Potter Park Zoo – P.M.)

Grades 11-12 4 Credits – Full Year

Lecture: 50%

Hands-on: 50%

Homework per week: 3-5 hours

This course is designed for students who have career interests in zoology, animal science, veterinary medicine and/or conservation. This is an in-depth, hands on learning experience in a real world setting – Potter Park Zoo. In addition to classroom work, students will be expected to actively participate in zoo activities and work directly with zoo staff.

LANDSCAPE DESIGN &

HORTICULTURE (West Campus - P.M.)

Grades 11-12 4 credits – Full Year

Lecture: 50%

Hands-on: 50%

Homework per week: 1-2 hours

This course teaches basic landscape design principles, installation and maintenance practices. In conjunction with the landscaping, students will learn the basic principles of horticulture; including plant identification, how plants grow, propagation methods, and greenhouse growing techniques.

ARTS & COMMUNICATION PATHWAY

LANGUAGE ARTS CURRICULUM

PUBLICATIONS

Grades 10-12

2 Credits – Full Year Course

HOMEWORK: 3

PREREQUISITE: An application is required with teacher references. Excellent writing skills are important and Page-maker and Photography are strongly recommended.

The purpose of this course is to introduce students to the world of journalism, desktop publishing, photography and advertising. Students will be responsible for the creation and publication of our high school yearbook.

ART CURRICULUM

ART I

Grades 9-12 ½ Credit – 9 Weeks

HOMEWORK: 2

The course will consist of an exploration of the elements and principles of art. We will complete assignments in drawing and design to reinforce our exploration. The student must be prepared and willing to work.

ART II

Grades 9-12 ½ Credit – 9 Weeks
HOMEWORK: 2

Art II will explore the elements and principles of art. Less emphasis will be placed on the drawing aspects. More emphasis will be placed on painting, prints and clay assignments. The student must be willing and prepared to work.

ART HISTORY

Grades 9-12 ½ Credit – 9 Weeks
Homework: 2

This course is an in-depth study of modern art movements such as Pop Art, Dada, Surrealism, Installation Art, Cubism, Abstract Expressionism, and Art Deco. The course will compare artists and the art movement as well as looking at the historical and cultural events that shaped the development of these movements. This is an academic art class. However, basic art projects will be completed to clarify the artwork studied. It is a hybrid class with work being completed in class as well as on-line using Blackboard.

DRAWING

Grades 9-12 ½ Credit – 9 Weeks
HOMEWORK: 2
PREREQUISITES: At least a "C" grade in Art I

The course will explore drawing through the use of different media and techniques. The student must be willing to put forth an honest effort. Students will be charged a \$15.00 materials fee to cover the cost of more expensive materials used in this class.

PAINTING

Grades 10-12 ½ Credit – 9 Weeks
HOMEWORK: 2
PREREQUISITES: At least "C" grades in Art I

This course will use a wide variety of painting media and techniques. Students will be charged a \$15.00 materials fee to cover the cost of more expensive materials used in this class.

ADVANCED ART

Grades 10-12 ½ Credit – 9 Weeks
HOMEWORK: 2
PREREQUISITES: At least a "C" grade in Art I, Art II, Drawing and Painting

This course is for the students who are honestly and deeply involved with art and wish to increase their base of knowledge in certain media or fields and also explore new areas. Students will be charged a \$15.00 materials fee to cover the cost of more expensive materials used in this class.

INDEPENDENT STUDY

(With permission of art teacher)
Grades 11-12 ½ Credit – 9 Weeks
HOMEWORK: 2
PREREQUISITES: At least a "C" grade in Art I, Art II, Painting, Drawing and instructor's permission

This course is for the self-directed, self-disciplined, artistically motivated student wanting to further his/her talents. The student will be asked to set up his/her own course of study. Students will be charged a \$10.00 materials fee to cover the cost of more expensive materials used in this class. The final project for this course will be to develop an art portfolio.

MUSIC CURRICULUM

Students enrolled in music ensembles are required to attend all rehearsals and performances unless excused by instructor

MARCHING BAND (In conjunction with Symphony & Concert Band)

Grades 9-12 1st 9-weeks
Full 1st block class during the first 9-week term.
HOMEWORK: 1
PREREQUISITES: Membership determined by audition.

All marching band students are required to participate in the pre-season rehearsals and residential band camp prior to the start of school. Students must commit, in advance, to the performance schedule of the band.

Learning emphasis is directed toward the correct performance of all musical and marching fundamentals. Students will learn a variety of music. Activities include band camp, football games, parades, exhibitions, and/or festivals.

SYMPHONY BAND *

Grades 9-12 1 Credit
2nd Block, Terms 2,3,4
HOMEWORK: 1
PREREQUISITE: Membership determined by audition

Learning emphasis includes interpretation of musical styles, conducted performance, reading skills, and refinement of music fundamentals through an exposure to the best of wind and percussion music.

CONCERT BAND *

Grades 9-12 1 Credit
1st Block, Terms 2,3,4
HOMEWORK: 1
PREREQUISITE: Membership determined by audition

Learning emphasis is similar to the Symphony Band with more emphasis on the development of individual performance through fundamental development.

LAB BAND

Grades 9-12 1 Credit
All Year – 3rd Block
HOMEWORK: 1
PREREQUISITE: Membership determined by audition

Lab Band will consist of students who need more fundamental work before being assigned to the other groups. Lab Band

students will not participate in the regularly scheduled Marching Band.

*The Marching Band will consist of the combined membership of the Concert and Symphony Band. Activities will include band camp, football games, parades and festivals. Marching Band is required of all Symphony Band and Concert Band students. Band is a full year course.

JAZZ ENSEMBLE

Grades 9-12
½ Credit (Season Participation)
HOMEWORK: 2
PREREQUISITE: Membership determined by audition; consists of students enrolled in wind ensemble, symphony or concert band only.

Learning emphasis will include a survey of styles and improvisation through theory of chords and scales. Performances will include concerts, school and community functions and festivals.

AP THEORY OF MUSIC

Grades 11-12
1 Credit – 18 Weeks 1st Semester, 3rd Block)
HOMEWORK: 1
PREREQUISITE:
1. Junior or senior music students
2. Advanced musical accomplishment
3. Anticipated music major in college

This class includes fundamentals of music theory, part-writing, composition, and ear training leading to the advance placement examination in music theory. Students should have a solid foundation in the fundamentals of music through formal instrumental or vocal study. This is not an entry level music course. Approval of instructor required after formal application. Course limited to a few students due to substantial independent work during Lab Band 3rd block.

VARSITY CHOIR

Grades 9-12
2 Credits – Full year course
HOMEWORK: 2
PREREQUISITES: Must pass vocal audition with instructor; recommend previous vocal singing experience.

The Varsity Choir emphasis will be on performing. Three major evening concerts plus Cabaret, choral festival, multi-school combined concert, and performance for various civic organizations. Class is designed to expose the student to a wide variety of music, and improve musical skills.

WOMENS CHORUS

Grades 9-12
2 Credits – Full year course
HOMEWORK: 2
PREREQUISITES: Must pass vocal audition with instructor; recommend previous vocal singing experience

The Womens Chorus emphasis will be on performing as designated by the instructor. This class is designed to expose the

student to a wide variety of music, and to improve musical skills.

CHORALE

Grades 10-12

1 Credit – Full year course (half block)

HOMEWORK: 2

PREREQUISITES: Audition, membership in Varsity Choir or Chamber Choir

This course may be scheduled as a “Zero” hour class (7:00-7:55 a.m.)

Chorale is open to students that are enrolled in Varsity Choir or Chamber Choir. Chorale students must be participating in these major ensembles, to be eligible to sing in the Chorale.

Chorale is a primary performing group at Charlotte High School. The Chorale is a small ensemble made up of advanced singers and generally upperclassmen.

Lansing Community College Shared Time Programs in Arts & Communication Pathway

COMMERCIAL ART (Downtown Campus - A.M.)

Grades 11-12 4 Credits – Full Year

Lecture: 40% Hands-on: 60%

Homework per week: Rarely

This course allows students to explore visual communication methods, essential design principles and their own creative processes through a variety of creative situations and visual problem solving challenges. Building upon these explorations, students learn to distinguish and visually develop various graphic elements, ultimately aiming for intelligent integration of photography, digital painting, typography and graphic design into effective unified layouts for magazines, newsletters, brochures, comic books and other two-dimensional printed mass-media materials. In addition to developing their own creative confidence and design skills, students gain a working knowledge of the industry-standard graphic applications Adobe Photoshop, Adobe Illustrator and Adobe InDesign.

COMPUTER GRAPHICS & WEB DESIGN (Downtown Campus - A.M. OR P.M.)

Grades 11-12 4 Credits – Full Year

Lecture: 20% Hands-on: 80%

Homework per week: Rarely

Course explores visual communication in art, photography, film, advertising, video and the World Wide Web. The goal is to develop visual awareness through an understanding of the basic elements of design and eventually how these elements can be combined to create exciting, visually appealing web designs. There is extensive hands-on training in several of the major software applications used in the field of graphic communication. Students create and modify images in Adobe Photoshop, design and build complex websites with Adobe Dreamweaver, and create and add

animation and multimedia to their sites with Adobe Flash.

FASHION TECHNOLOGY (West Campus - P.M.)

Grades 11-12 4 Credits – Full Year

Lecture: 50% Hands-on: 50%

Homework per week: 1-2 hours

This course teaches entry level knowledge and skills of the fashion industry. Students study design, technology, manufacturing, materials and merchandising through lecture, demonstrations, and computer laboratory projects. Students are exposed to design theory with computer applications, drafting and design, and quality.

INTERIOR DESIGN (West Campus - A.M. OR P.M.)

Grades 11-12 4 Credits – Full Year

Lecture: 50% Hands-on: 50%

Homework per week: 1-2 hours

This course focuses on the fundamentals of residential interior design including elements and principles, design process, color, space planning, problem solving, human factors and the evaluation of the function and aesthetics of interior spaces. Students study nonstructural interior finishes and materials.

BUSINESS, MANAGEMENT, MARKETING & TECHNOLOGY PATHWAY

BUSINESS & INFORMATION TECHNOLOGY DEPARTMENT CURRICULUM

INFORMATION TECHNOLOGY CORE

Grades 9-12

1 Credit – 18 Weeks

HOMEWORK: 3

PREREQUISITE: None

An introduction to computers with emphasis on preparing for the Microsoft Office Specialist Core level certification tests in Word and Excel. Students will also learn to correctly format letters and memos and be eligible to take basic competitions in Business Professionals of America. Access and PowerPoint will also be introduced. LCC credit is available.

INFORMATION TECHNOLOGY EXPERT

Grades 10-12 1 Credit – 18 weeks

HOMEWORK: 3

PREREQUISITE: IT Core

Students will spend the first nine weeks working toward Microsoft Office Specialist Certification, PowerPoint on the Expert level with an opportunity to practice presenting as well as learning the software's advanced features. The second nine weeks students may choose to work toward Word Expert, Excel Expert or Access Expert certification. Those that qualify may (not required) take the Microsoft Office Specialist Certification

tests. This class will also prepare you for more advanced contests in Business Professionals of America. LCC credit is available.

BUSINESS AND MANAGEMENT SERVICES I

Grades 10-12 1 Credit – 18 Weeks

HOMEWORK: 3

PREREQUISITE: IT Core

This course prepares students for employment opportunities as an office assistant/specialist and word processing assistant in today's rapidly changing business environment. Students will learn skills necessary to work in an electronic office including transcription, electronic filing, calculators, proofreading and editing, word processing, prioritizing, and time management. This class will prepare students for advanced office contests in Business Professionals of America. LCC credit is available.

BUSINESS AND MANAGEMENT SERVICES II

Grades 10-12 1 Credit – 18 Weeks

HOMEWORK: 3

PREREQUISITE: Business and Management Services I

This course prepares students for employment opportunities in an office management position. Students will apply skills learned in BMS I in a realistic office simulation. Resume preparation and interview skills will be perfected. Job shadowing for a day is required. Palm Pilots or PDA's are used to manage appointments, meeting schedules, to-do lists, contacts, e-mails, and memos. Additional office simulations will expose students to tasks associated with legal and medical offices, as well as a restaurant and government office. This class will prepare students for advanced office contests in Business Professionals of America. LCC credit is available.

BUSINESS ECONOMICS

Grades 10-12 1 Credit – 18 Weeks

HOMEWORK: 3

Business Economics is an 18-week course that uses varied instructional methods. The course encompasses text and workbook assignments, computer simulated stock market game, weekly visitation by trained local consultants, creation of a student company and a computer business simulation.

ACCOUNTING I

Grades 10-12 1 Credit – 18 Weeks

HOMEWORK: 2

With the growth of small businesses which utilize accounting procedures, it is necessary that students be competent in basic accounting principles, concepts, and procedures used by businesses in recording and reporting daily financial changes. Students will learn and apply the accounting cycle for a service business organized as a proprietorship and for a merchandising business organized as partnership. Students will learn how to

complete balance sheets, income statements, worksheets, distribution of net income/loss statements, and capital statements. Several weeks will be spent learning automated accounting. Students will work through manual and automated accounting simulations where they manage the books of a company. Software will include South-Western Publishing Automated Accounting 8.0.

ACCOUNTING II

Grades 10-12 1 Credit – 18 Weeks
HOMEWORK: 2
PREREQUISITE: Accounting I

Advanced Accounting uses the accounting cycle for a merchandising business organized as a corporation. The accounting cycle is used in analyzing transactions, journalizing, posting, petty cash, financial statements, and adjusting and closing entries. Winning Edge, Inc. sells sports equipment to school districts, colleges, and businesses and is organized as a corporation. Several weeks will be spent using automated accounting. Students will work through manual and automated accounting simulations while they manage the books of a company. Software will include South-Western Publishing Automated Accounting 8.0.

INTERNET/WEB PAGE DEVELOPMENT

Grades 10-12 1 Credit – 18 Weeks
HOMEWORK: 3
PREREQUISITES: Successful completion of IT Core

Internet/Web Page Development is an 18-week class divided into three (3) six (6)-week units. The first six weeks will focus on the basic use of the Internet as a tool in developing strategies to research, manipulate, and manage information. The second six weeks will concentrate on HTML tags associated with developing basic web pages including a personal web page. The third six weeks will introduce the student to FrontPage 2000 web page development software. This is a project-oriented class. Students will be qualified to compete in Business Professionals of America's Web Page Development Team contest.

BUSINESS MATH

Grades 10-12 1 Credit – 18 Weeks
HOMEWORK: 2

This class cannot be used to meet mathematics credit requirement unless pre-approved by the Mathematics Department and/or Guidance Department.

Knowledge of basic math is essential for survival in today's world. This course is designed to show students how math is an important tool in preparing for their future, managing their personal and business resources and their efforts as a consumer, worker or businessperson. Students will use real-world application of math skills to solve business and consumer problems. Applications include the calculation of gross income and net income, the use of both checking and savings accounts, cash purchases, loans, the cost of owning and

operating an automobile, housing costs, insurance and investments, and budgets.

DESKTOP PUBLISHING

Grades 10-12 ½ Credit – 9 Weeks
HOMEWORK: 3
PREREQUISITES: IT Core helpful, but not required

Desktop Publishing is taught through creation of newsletters, flyers, brochures, etc. Publisher and Word are used for personal and small business publications. Students will be qualified to compete with Business Professionals of America in Desktop Publishing. LCC credit is available.

MARKETING I

Grades 10-12 1 Credit – 18 Weeks
HOMEWORK: 3

Marketing I is an 18-week course that discusses the various essentials of business. The students will learn the different aspects of marketing a product. Selling, promotion, risk management, pricing, purchasing, distribution, product planning and financing will be covered in depth. Students will have the opportunity to relate this information to a hands-on experience in the School Store.

MARKETING II

Grades 10-12 18 Weeks
HOMEWORK: 3
PREREQUISITE: Successful completion of Marketing I

Marketing II is an 18-week course that will cover Sports and Entertainment marketing, Fashion Merchandising and an analysis and hands on experience related to Donald Trump's the Apprentice. This course will provide the opportunity to apply the knowledge you gained in Marketing I to industries that are becoming very popular in American culture.

ENTREPRENEURSHIP

Grades 11-12 1 Credit – 18 Weeks
HOMEWORK: 3

This 18-week class will provide students with a flexible background that will enable them to make required career shifts and meet the demands of a constantly changing marketplace.

Entrepreneurs generate new businesses, new jobs, or even the new industries and strengthen the economy. Entrepreneurship education prepares students to carry out the entrepreneurial process from developing an innovative idea and writing a business plan to understand global competition, creativity, flexibility and problem solving techniques.

BUSINESS LAW

Grades 11-12 ½ Credit – 9 Weeks
HOMEWORK: 3

The class will focus on three aspects of our current system of law in our country: civil, tort, and criminal law, and how it relates to you, the student. In addition, contracts,

insurance, employer-employee relationships, and much more are covered. The class is discussion, case study, and current-events oriented. Students will visit the Eaton County Courthouse and participate in mock trials.

Lansing Community College Shared Time Programs in Business, Management, Marketing & Technology Pathway

COMPUTER SUPPORT (Downtown Campus - A.M.)

Grades 11-12 4 Credits – Full Year
Lecture: 60% Hands-on: 40%
Homework per week: Rarely

This course provides students with the skills necessary to diagnose and correct problems that computer users encounter. The student receives practical, hands-on experience in installing, maintaining, and troubleshooting computer hardware and software. Emphasis is also placed on the communication skills and professionalism needed to become a successful Computer Support Technician. Students who qualify will have the opportunity to take the two tests required to receive Comp TIA A+ certification.

HUMAN SERVICES PATHWAY

LIFE SKILLS DEPARTMENT

PARENT/CHILD DEVELOPMENT

Grades 9-12 ½ Credit – 9 Weeks
HOMEWORK: 3

This class explores personal readiness for becoming a parent and issues related to raising healthy children. Building positive parent/child relationships is emphasized.

CONSUMER EDUCATION

Grades 10-12 ½ Credit – 9 Weeks
HOMEWORK: 2

Life-like simulation covering topics such as banking, decision-making and buying items such as food, clothing, shelter and insurance.

FOOD SCIENCE AND NUTRITION

Grades 9-12 ½ Credit – 9 Weeks
HOMEWORK: 3

Includes basic food preparation. Strong emphasis placed on nutrient needs along with some exploration of the science of food and its chemical interactions in the body.

PERSONAL AND FAMILY RELATIONS

Grades 10-12 ½ Credit – 9 Weeks
HOMEWORK: 3

Class teaches basic skills of decision making, managing time and energy, and balancing work and family. It examines roles in society, preparation for marriage,

marriage adjustments and conflict resolution. Recommended for anyone who plans on careers related to teaching, social work, guidance, or childcare.

Lansing Community College Shared Time Programs in Human Services Pathway

CRIMINAL JUSTICE (West Campus - A.M. & P.M.)

Grades 11-12 4 Credits – Full Year
Lecture: 75% Hands-on: 25%
Homework per week: 3-5 hours

This course explores the basic concepts and potential career opportunities in Criminal Justice. The course provides instruction in the areas of law enforcement, the courts, and corrections.

EARLY CHILDHOOD EDUCATION (Downtown Campus - A.M. & P.M.)

Grades 11-12 4 Credits – Full Year
Lecture: 60% Hands-on: 40%
Homework per week: 3-5 hours

This course focuses on the knowledge and skill necessary to prepare the student for an entry-level position in a early childhood education program. Topics will include child development, health and safety issues, self-esteem, positive guidance and discipline skills, professionalism, as well as design of developmentally appropriate activities. A placement experience at a child care center with young children is an integral part of the program.

CULINARY ARTS AND FOOD SERVICE (Downtown Campus - A.M. & P.M.)

Grades 11-12 4 Credits – Full Year
Lecture: 40% Hands-on: 60%
Homework per week: Rarely

This course introduces students to culinary arts, careers in the hospitality and food service industry, event planning and promotion, bakery production and food service sanitation. Students will have the opportunity to earn a national recognized "ServSafe" certification. Through interactive and integrated activities students will learn job search preparation skills and explore education requirements and skills for further advancement in the hospitality/foods industry.

HEALTH SCIENCE PATHWAY

PHYSICAL EDUCATION CURRICULUM

HEALTH

Grade 9 ½ Credit – 9 Weeks
HOMEWORK: 2

This class places a strong emphasis on developing a positive attitude toward total health and wellness. Students will gain

knowledge, skills and understanding needed to make healthy lifestyle choices and decisions.

BODY MECHANICS

Grade 9-12 ½ Credit – 9 Weeks
HOMEWORK: 3

This class will offer the opportunity for the student to increase strength, power, balance, quickness, agility, flexibility, muscle endurance, and cardiovascular endurance. There are weight programs for beginner, intermediate, and advanced weight lifters.

SPORTS SKILLS

Grades 9-12 ½ Credit – 9 Weeks
HOMEWORK: 3

This class is designed to help our student athletes become more physically fit and improve skills in their selected sports. This class will enhance individual sport skills and develop and improve on strength, flexibility and agility. It will also allow the student to study game tapes, learn safety factors in training in his/her sport, injury prevention, trends in nutrition, and leadership expectations of being an athlete at Charlotte High School.

*Form must be completed with approval by teacher and coach

TEAM SPORTS

Grades 9-12 ½ Credit – 9 Weeks
HOMEWORK: 3

This class offers the competition of team sports such as football, basketball, speedball/soccer, and volleyball. Physical fitness is emphasized through the participation in these sports along with weight training.

LIFETIME SPORTS

Grades 9-12 1/2 Credit – 9 Weeks
HOMEWORK: 3

This class will offer several recreational activities, such as badminton, bowling, volleyball, football, basketball, ice skating, swimming, etc. The student will be required to participate in field trips (bowling, skating, and swimming). Class fee approximately \$20.00

FITNESS WORKSHOP

Grades 10-12 ½ Credit – 9 Weeks
HOMEWORK: 3

In this 9-week course, students will focus on becoming physically fit through weight training and cardio work-outs. Weight lifting and exercises that concentrate on specific parts of the body will be used to help strengthen and tone. This class is designed to help students work on their specific needs. Women's health issues will be discussed.

FUN AND FITNESS

Grades 9-12 ½ Credit – 9 Weeks
HOMEWORK: 3

Games and activities that work the cardiovascular system will be covered. These may include jogging, jumping rope, weight lifting and body toning exercises. Class will also participate in games that promote fitness.

LIFEGUARD TRAINING PLUS

Grades 10-12 ½ Credit 9 Weeks
HOMEWORK: 2

The course, Lifeguard Training Plus consists of three components:

1. **Lifeguarding.** This part will follow the requirements and specifications mandated by the American Red Cross Lifeguard training class.
2. **CPR for the Professional Rescuer.** This section will follow the requirements and specifications mandated by the American Red Cross CPR for the Professional Rescuer class.
3. **Plus.** This consists of :
 - ✓ Water Aerobic workouts
 - ✓ Water Safety Instructor Aide Skills
 - ✓ Stroke improvement
 - ✓ Conditioning
 - ✓ Water games

Lansing Community College Shared Time Programs in Health Services Pathway

EMERGENCY MEDICAL SERVICES/FIRE SCIENCE (West Campus - A.M. & P.M.)

Grades 11-12 4 Credits – Full Year
Lecture: 50% Hands-on: 50%
Homework per week: 1-2 hours

The EMS portion provides students with knowledge and skills necessary to manage ill or injured victims at the scene of an emergency until professional medical help is obtained. Fire Science introduces students to fire fighting with an overview of fire chemistry, fire fighting equipment, safety, organization, apparatus, special rescue techniques, customer service, fire prevention, public education and the future of fire service.

EMERGENCY MEDICAL TECHNICIAN

(Downtown Campus – Own transportation required)

Grades 11-12 4 Credits – Full Year
Lecture: 50% Hands-on: 50%
Homework per week: 3-5 hours

2nd Year Qualified Students from Emergency Medical Services or Health Technology.

This course will prepare the student as a basic EMT. Emphasis is placed on didactic material including airway management, patient assessment, CPR soft tissue injuries, head, chest, and abdominal

injuries, and proper use of equipment in the delivery of basic emergency care.

HEALTH TECHNOLOGY (Downtown Campus - A.M. & P.M.)

Grades 11-12 4 Credits – Full Year
Lecture: 75% Hands-on: 25%
Homework per week: 3-5 hours

This course teaches the basic skills intended to prepare students for entry level employment in a variety of health-related occupations. The course provides an overview of current health systems, potential careers, and basic skills required for a job in skilled patient care. Students learn technical skills, critical thinking, interpersonal skills, study habits, note taking, and how to perform basic patient care skills. Individuals who take this class have a solid foundation of core nursing assistant skills. Off-site clinicals are included.

ENGINEERING, MANUFACTURING & INDUSTRIAL TECHNOLOGY PATHWAY

VOCATIONAL/TECHNICAL CURRICULUM

AUTO MECHANICS TRAINEE TRANSPORTATION CLUSTER

Grades 9-11 1 Credit – 18 Weeks
HOMEWORK: 3

Course will cover basic skills and theory of service and repair. This will be a prerequisite for all Auto Mechanics, Auto Body, etc., available through EISD. It will include engines, measurement, welding, parts identification, fasteners, fluids, and other areas.

TECHNOLOGY I

Grades 9-12 ½ Credit – 9 Weeks
HOMEWORK: 3

Students will work on problem solving skills with team members while they study basic residential construction techniques such as wiring and framing, dry walling, plumbing, and wall sections using the latest up-to-date technology in home improvement.

TECHNOLOGY II

Grades 9-12 ½ Credit 9 Weeks
HOMEWORK: 3
PREREQUISITE: Technology I

Students will use problem solving skills in order to accomplish various in class projects, such as bridge building and a residential wall section.

AUTO I

Grades 10-12 2 Credits – Full year
HOMEWORK: 3
PREREQUISITE: Auto Mechanics Trainee

This course is intended to cover basic entry-level automotive repair skills, with emphasis on **Steering & Suspension** and **Brakes**. We will be switching to include Electrical over the next two years to retain NATEF certification. The **NATEF** curriculum within these areas will be used (NAATEF is a national certification program designed to help students meet ASE Certification and state mechanic licensing requirements). The instructor has ASE master Mechanic Certification. Time is about 50/50 classroom and lab. A list of performance objectives is used to select appropriate work and track progress. **A notebook is required.** Proper legal, safety, and environmental practices are stressed. There are no lab fees at this time. Students are expected to provide appropriate work clothing and eye protection. Students enrolling should have completed the Auto Mechanics Trainee Cluster (see your counselor to find out if a variance is possible). This class serves as a satellite of the LCC program as administered through the Eaton Intermediate School District. Completion of this class may earn credit within the LCC Automotive Curriculum.

COMPUTER GRAPHIC DESIGN

Grades 9-12 1 Credit 18 Weeks
HOMEWORK: 3

This course will explain the basics of graphic communication by exploring the following programs: Adobe Photoshop, Microsoft PowerPoint, and Microsoft Publisher. Students will learn to create professional looking electronic graphic communication including advertisements, magazine covers, business cards, logos, presentations, and photography applications. Students will also study computer graphics with the creation of a collage, restoring and altering photographs, creative presentations through graphic design, and the use of equipment and resources such as digital cameras, scanners, printers, plotters, photo collections and Internet usage.

Students will be expected to produce professional quality work suitable to submit in college or the work environment. Students will explore career choices in computer graphics and gain exposure to advertisements and the computer graphics field.

DRAFTING I

Grades 9-12 1 Credit – 18 Weeks
HOMEWORK: 3
PREREQUISITES: Geometry, which can be taken concurrently with this class

This course is designed to cover the basic fundamentals of graphic communication in mechanical engineering. Students will draw, measure and sketch various types of objects, and will understand the basic fundamentals of reading and interpreting elementary mechanical drawings. Students will be introduced to several computer aided drafting (CAD) programs. This class will be able to help students have an understanding of multi-view projections,

assemblies, and exploded views which will be helpful in the following areas: woodshop, machine trades, mechanical and architectural engineering.

CAD, DRAFTING & DESIGN

Grades 10-12 1 Credit – 18 Weeks
HOMEWORK: 3
PREREQUISITES: Drafting I and recommendation from instructor

This course is designed for students who are interested in continuing with their drafting career and/or eventual employment in the mechanical engineering field. Topics covered in this course include design and detail of assembly drawings, gears, cams, descriptive geometry, 2 dimensional and 3 dimensional drawings generated by pencil and computer. All materials used such as machine drawings and assemblies are from actual industrial projects recommended by commercial companies and colleges. Upon satisfactory completion of this program, students may, with recommendation of high school instructor, receive college credit for classes offered at LCC in the technology-drafting program or other colleges with similar programs. This course also enables the student to enter a detailer position in local industries, and is a prerequisite for our shared time program offered through the EISD.

ARCHITECTURE DRAFTING I

Grades 9-12 1 Credit – 18 Weeks
HOMEWORK: 3

Architecture Drafting I will introduce students to the proper practices of residential drawings including sketching, measuring, elevation drawings, lettering, pictorial and perspective drawings. Techniques of architecture, dimensioning, symbols, and basic floor plans will be accomplished. Upon completion of this course, students should be competent to produce residential floor plans, elevations, wall sections, working drawings and models, using current computer aided drafting software.

WOODS I

Grades 9-12 ½ Credit – 9 Weeks
HOMEWORK: 3

This course will cover safety and skills needed for operating wood working machinery. Measurement, planning, construction, and finishing will be covered throughout the class. Students will construct two assigned projects. A \$15 lab fee will be required for this class.

WOODS II

Grades 9-12 ½ Credit – 9 Weeks
HOMEWORK: 3
PREREQUISITES: Woods I with a C+ or higher

Students will construct an assigned project, while learning to use higher level wood working techniques. Students will then construct one final project of their choice. Purchase of project materials will be the student's responsibility. There is a \$20 lab fee for the first project.

ADVANCED WOOD WORKING

Grades 10-12 ½ Credit – 9 Weeks

HOMEWORK: 3

PREREQUISITES: Woods I and II with an A or teacher approval

Students will learn cabinetry techniques, while building large scale projects of their choice. Purchase of project materials will be the students' responsibility.

Lansing Community College Shared Time Programs in Engineering, Manufacturing & Industrial Technology Pathway

AUTO BODY REPAIR I & II (West Campus - A.M. & P.M.)

Grades 11-12 4 Credits – Full Year

Lecture: 20% Hands-on: 80%

Homework per week: 1-2 hours

This course covers basic auto body welding, metal finishing and basic auto painting. National Automotive Technicians Education Foundation (NATEF) certification prepares students for advance training or entry-level employment.

AUTOMOTIVE TECHNOLOGY I & II (West Campus - A.M. & P.M.)

Grades 11-12 4 Credits – Full Year

Lecture: 40% Hands-on: 60%

Homework per week: Rarely

This course covers the four National Institute for Automotive Service Excellence requirements for training in auto service and brakes (1st year) and in suspension and steering and auto service lab (2nd year). In addition, students learn basic shop procedures.

AVIATION MECHANICS (Capital City Airport – P.M.)

Grades 11-12 4 Credits – Full Year

Lecture: 50% Hands-on: 50%

Homework per week: 3-5 hours

This FAA approved course teaches basic skills required for an Aviation Mechanic. Students will get hands on experience working with precision instruments, perform nondestructive testing, install and remove conventional rivets and fasteners, bend aircraft sheet metal, fabricate and test fluid lines, and work with finishing materials to assist in corrosion control. Topics will also include a study of aircraft avionics systems focusing on flight line testing of communications, navigation, radar, and autopilots.

BUILDING TECHNOLOGY (West Campus - A.M. & P.M.)

Grades 11-12 4 Credits – Full Year

Lecture: 20% Hands-on: 80%

Homework per week: Rarely

This course teaches the basic skills of construction including reading and interpreting architectural drawings, preparing the building site, introduction to and use of power tools, residential framing

and foundations, interior carpentry, measuring, and applied mathematics.

CAD/CAM/PRE-ENGINEERING (West Campus - A.M.)

Grades 11-12 4 Credits – Full Year

Lecture: 40% Hands-on: 60%

Homework per week: 1-2 hours

This course teaches the basic skills and concepts for design, manufacturing, and decision making related to engineering processes. Some of the skills covered are 3D parametric modeling, Finite Element Analysis (FEA), standard for geometric dimensioning and tolerancing (GD&T), a study of materials and processes for modern manufacturing, material science and testing, machine shop safety, milling, turning, and computer numerical control (CNC).

HEATING & AIR CONDITIONING (West Campus - A.M. & P.M.)

Grades 11-12 4 Credits – Full Year

Lecture: 47% Hands-on: 53%

Homework per week: 1-2 hours

This course introduces students to basic electricity, heating, air conditioning, and sheet metal as it pertains to residential heating, ventilation, and air conditioning equipment installation and service.

HEAVY EQUIPMENT OPERATION & MAINTENANCE (AIS - A.M. & P.M.)

Grades 11-12 4 Credits – Full Year

Lecture: 50% Hands-on: 50%

Homework per week: 1-2 hours

Over the two-year program includes electronics, hydraulics, engine performance, and fundamentals of mechanics related to heavy equipment and diesel equipment. Students are also provided limited training on the safe operation and maintenance of heavy equipment such as bulldozers, excavators, backhoes and front end loaders. Successful students have an opportunity to earn a sponsorship to Ferris State University, apply for acceptance into the AIS Apprenticeship Training Program, or find employment with other heavy equipment or diesel maintenance companies.

RESIDENTIAL WIRING & ELECTRICAL TECHNOLOGY (West Campus - P.M.)

Grades 11-12 4 Credits – Full Year

Lecture: 75% Hands-on: 25%

Homework per week: 1-2 hours

This course provides an overview of the field of electrical wiring. Students learn electrical safety practices in home, construction, and industry. Students learn to use meters, basic wiring installation, and electrical codes and standards.

WELDING TECHNOLOGY (West Campus - A.M. & P.M.)

Grades 11-12 4 Credits – Full Year

Lecture: 20% Hands-on: 80%

Homework per week: Rarely

This course teaches the basic skills of oxy-fuel welding and cutting, shielded metal arc welding, gas tungsten arc welding and gas metal arc welding through lectures and hands-on experience. Common sense is an important quality for welders.

SPECIAL EDUCATION CLASSES

English
Math
Social Studies
Science

Additional support services are available. Contact the Special Education Office for more information.

WORK-BASED/SCHOOL RELATED LEARNING EXPERIENCES

WORK-SITE LEARNING OPPORTUNITIES

To Enhance a Career Pathway Focus Work-site learning programs involve combining school-based preparation and supervised work experiences designed to enable students to acquire attitudes, skills, and knowledge for career and other life roles in real work settings. The goals of these programs are to teach employability and technical skills, develop a sense of personal responsibility, explore career options, gain job/site specific skills, foster work-oriented relationships with adults, and understand the relevance of and application to academic learning. These experiences are aligned with students' career pathways and EDP's.

“CO-OP” – COOPERATIVE EDUCATION Grade 12

Co-op involves linking career/technical classroom instruction with on-the-job training. The student learner is employed in a part-time job (15 hours a week minimum) and is paid a wage. The student is also either currently enrolled in, or has successfully completed, a technical class or cluster classes related to their job. These classes can be taken at Charlotte High School or through the EISD Career Preparation Center located at Lansing Community College.

Co-op A.M. – 2 Blocks = 2 Credits per semester

Co-op P.M. – 2 Blocks = 2 Credits per semester

WORK EXPERIENCE EDUCATION Grade 12

1 Block = 1 Credit per semester

PREREQUISITE: To be enrolled in the Co-op or Work Experience program, the student must be a senior and enrolled in a full schedule. A training plan must also be developed between the employer, student, School and coordinator concerning the tasks the student will learn to perform.

Work Experience is designed to give students opportunities to use real work settings to begin to develop career relevant skills. The student's paid job (15 hours a week minimum) becomes their classroom. A link is established between a career goal, school subjects, and skills associated with an occupation. An emphasis is placed on safety in the work place, transferable skills, work ethic, and career decision making.

OFF CAMPUS CURRICULUM

See Individual Pathways for specific program descriptions

Eaton Intermediate School District – Career Preparation Center Program Schedule

Two (2) credits per semester; four (4) credits per year
PREREQUISITES: Junior or senior, application.

Lansing Community College Downtown Campus - MORNING SESSION 7:35 a.m. to 9:45 a.m.

Commercial Art
Computer Graphics & Web Design
Computer Support
Culinary Arts & Food Services
Early Childhood Education
Health Technology

Lansing Community College West Campus – MORNING SESSION 7:40 a.m. to 9:45 a.m.

Auto Body Repair I & II
Automotive Technology I
Automotive Technology II

Building Technology
CAD/CAM/Pre-Engineering
Criminal Justice
Emergency Medical Services & Fire Science
Emergency Medical Technician (own transportation required)
Fashion Technology
Heating & Air Conditioning
Interior Design
Welding Technology I & II

Off-Campus Programs – MORNING SESSION

7:35 a.m. to 9:35 a.m.
Heavy Equipment Operation & Maintenance (at AIS Construction)

Lansing Community College Downtown Campus - AFTERNOON SESSION 12:10 p.m. to 2:00 p.m.

Computer Graphics & Web Design
Early Childhood Education
Health Technology

Lansing Community College West Campus – AFTERNOON SESSION 12:10 p.m. to 2:15 p.m.

Auto Body Repair I & II
Automotive Technology I
Building Technology
Criminal Justice
Emergency Medical Services & Fire Science
Landscape Design & Horticulture
Interior Design
Residential Wiring & Electrical Technology
Welding Technology I & II

Off-Campus Programs – AFTERNOON SESSION

12:10 p.m. to 2:00 p.m.

Heavy Equipment Operation & Maintenance (at AIS Construction)
Aviation Mechanics (at Capital City Airport)
Animal Science (at Potter Park Zoo – own transportation required)

DUAL ENROLLMENT

The Office of Educational Assessment and Accountability has established passing scores on two examinations, the ACT PLAN assessment and the College Board PSAT assessment. The PLAN and PSAT can be used by sophomores, as well as juniors (in the fall), to qualify for dual enrollment at Lansing Community College, Olivet College or Michigan State University. Once juniors participate in the MME in the spring of their junior year, their MME scores will be used for dual enrollment decisions. Juniors will need to score at performance levels 1 or 2 on MME to qualify for dual enrollment. Please see your counselor for further details.

ON-LINE CURRICULUM

MICHIGAN VIRTUAL HIGH SCHOOL

Michigan Virtual High School (MVHS) offers over 200 different courses. An option for students who want to take classes that are not offered (e.g. oceanography) in the high school curriculum and it is an option for a student who wants to make up a credit deficiency (parents are responsible for the all course fees if taken for make up credit). In order to enroll in MVHS classes a student needs to meet with his/her high school counselor.

