

NOTICE REGARDING NON-DISCRIMINATION POLICY

It is the policy of the Eaton Rapids Public Schools not to discriminate on the basis of race, color, religion, national origin, sex, age, marital status, height, weight, or disability in its employment practice as well as in its educational programs, activities, and services. The Board reaffirms its policy to comply with Title VI, The Age Act of 1975. The Americans with Disabilities Act of 1990, Title VII of the Civil Rights Act of 1964, Title IX of the Education Amendments of 1972, Section 504 of the Rehabilitation Act of 1973, The Elliott-Larsen Civil Rights Act, and all other applicable federal and state laws and regulations prohibiting discrimination.

Any Questions concerning Title IX of the Education Amendments of 1972, which prohibits discrimination on the basis of sex, should be directed to:

Title IX Coordinator

Superintendent
Eaton Rapids Public Schools
912 S. Greyhound Drive
Eaton Rapids, Michigan 48827
517.663.8155

Inquiries regarding compliance with Section 504 of the Rehabilitation Act of 1973, The Americans with Disabilities Act of 1990, and the age of 1975, should be directed to:

Section 504 Coordinator

Director of Special Education
Section 504 Coordinator
Eaton Rapids Public Schools
912 S. Greyhound Drive
Eaton Rapids, Michigan 48827
517.663.8155

2010 – 2011

2010 - 2011

Career Pathways Program of Studies

Eaton Rapids High School

800 State Street
Eaton Rapids, MI 48827
517.663.2231
FAX: 517.663.5727

Eaton Rapids Public Schools Board of Education

Eaton Rapids Public Schools Central Administration

Dr. William DeFrance Superintendent
Mr. Collin Smith Controller

Mr. Jeff Allison
Mr. Jon Althouse
Mrs. Debbie Brinson
Mrs. Theresa Platte
Mr. Brian Ross
Mr. Gary Wichman
Mrs. Carolyn Wyckoff

Eaton Rapids High School Administration

Mr. David Johnson Principal
Mr. Marv Maurer Asst. Principal
Mr. Jeff Dassance Athletic Director

Pathways to Success

Table of Contents

Introduction

- 1 Notice of Non-Discrimination Policy
- 2 Introduction Page
4. Eaton Rapids Public Schools Mission Statement
5. ERPS Program of Study/Career Pathways Explanation
6. Career Pathways-Arts & Communication: Business, Management, Marketing & Industrial Technology; Engineering/Manufacturing & Industrial Technology; Health Services; Human Services; Natural Resources And Agri-Science
NCAA Eligibility Requirements
7. Eaton Rapids High School Graduation Requirements
8. Academic Career Plan

Career Pathways

- 10-11 Arts of Communication(Careers, Professional & Technical requirements, Suggested four year plan)
- 12-14 Business, Management, Marketing & Technology (Careers, Professional & Technical requirements, Suggested four year plan)
- 15-17 Engineering/Manufacturing & Industrial Technology (Careers, Professional & Technical Requirements, Suggested four year plan)
- 18-20 Health Services(Careers, Professional & Technical Requirements, Suggested four year plan)
- 21-23 Human Services(Careers, Professional & Technical Requirements, Suggested four year plan)
- 24-26 Natural Resources & Agri-Science(Careers, Professional & Technical Requirements, Suggested four year plan)
- 27 Four Year Planning Guide

Course Descriptions

- 28-29 Business Courses
- 30-31 Information Technology
- 32-34 English Courses
- 35-36 Fine Arts Courses
- 37 Life Management Courses
- 38-39 Math Courses
- 40-41 Foreign Language
- 42 Physical Educationj
- 43-44 Science Courses
- 45-47 Social Studies Courses
- 48 Technology Education Courses
- 49 Special Classes
- 50-59 Off-Campus Vocational Education
- 60 Michigan Colleges

Eaton Rapids Public Schools

School District Mission

Our mission is to help all students become lifelong Learners. We will address this mission by:

- Employing a competent and caring staff
 - Providing a future-focused curriculum
 - Challenging learners to do their best
- Teaching learners to solve problems and understand the change process

High School Program of Studies

The world of work is rapidly changing as existing jobs become more complex and new jobs demand increased levels of education. Students must acquire increased academic competencies, advanced technical skills, and greater problem solving abilities in order to become productive citizens in a highly competitive global economy. It is the goal of the Eaton Rapids schools to create a climate where expectations are high, tolerance exists for individual differences, global awareness is promoted, lifelong learning is valued, self-esteem is enhanced, and all Eaton Rapids community members have an opportunity to experience success.

The high school program of the Eaton Rapids Public Schools offers a challenging course of study, designed for students to recognize and achieve their academic and career potential. Through a coordinated sequence of academic and vocational courses, all students will be better prepared to see their post high school experience as an opportunity for continuing their education. As lifelong learners, Eaton Rapids High School graduates may continue their education at four-year colleges, community colleges, technical institutions, the military, or in apprenticeship/training programs as they strive to reach their own individual academic and career goals.

Career Pathways

The Eaton Rapids High School program of studies is designed to offer students a pathway to success. As students enroll in Eaton Rapids High School they will select a career pathway designed to meet their academic potential and career interest. The Pathway selection will provide a focus, and the foundation, for the students' learning experience.







A career pathway is a system that creates well-marked "paths" of sequenced courses which provide both focus and direction to a student's learning experience. The pathway prepares the student for a goal-oriented future and puts purpose in learning. It offers a system of choice for each student.

Students will develop a four-year high school educational plan that will maximize their post high school potential and opportunities. Through an applied academic instructional program, all students will begin to see and value the relationship between their academic studies and real world application. This contextual learning experience will enable students to make informed decisions that will better match their interest and aptitudes with their academic experiences as they consider career options. Students will continue to meet with the counselors throughout high school to review their progress toward achieving their goals and to further refine their academic and career plans.

Career Pathways

All students are encouraged to plan a high school schedule that supports their post high school goals. Our students have been introduced to the concept of career planning. A career Pathways framework has been implemented throughout the state to assist students in career decision-making.

Career Pathways Definitions

Arts and Communication 	<p>Careers related to the humanities, the performing, visual, literary and media arts. These careers interest people who enjoy being creative. Examples include artists, journalists, industrial designers, musicians, photographers and theater technicians.</p>
Business, Management, Marketing & Technology 	<p>Careers related to all aspects of business including accounting, business administration, finance, information processing, and marketing. Examples include accountants, business managers, salespersons, buyers, computer network administrators, secretaries and stock analysts.</p>
Engineering/Manufacturing and Industrial Technology 	<p>Careers related to the various technologies necessary to design, develop, install and maintain physical systems. Understanding and working with tools, equipment, and other kinds of machinery is important to people who have careers in this pathway. Examples include architects, airplane pilots, engineers, carpenters, technicians and mechanics.</p>
Health Services 	<p>Careers related to the promotion of health as well as the treatment of injuries and disease. Examples include physicians, nurses, pharmacists, health facility administrators, dental assistants, veterinarians, morticians and medical technicians.</p>
Human Services 	<p>Careers in childcare, civil service, education, hospitality, and the social services. Examples include postal worker, police officer, lawyer, teacher, fire fighter, employment counselor, and hazardous waste technicians.</p>
Natural Resources and Agri-Science 	<p>Careers related to natural resources, agriculture, and the environment. Examples include environmentalists, turf grass managers, farmers, landscape architects, plant scientists, marine biologists and agricultural equipment mechanics.</p>

NCAA Requirements

If you are planning to enroll in college as a freshman and you wish to participate in Division I or Division II athletics, you must be certified by the NCAA Initial-Eligibility Clearinghouse. It is your responsibility to supply the Clearinghouse with the following documents:

1. Your completed and signed Student Release Form and fee
2. Your official transcript mailed directly from every high school you have attended
3. Your ACT or Sat scores

This process should begin at the end of your junior year in high school.

CORE UNITS REQUIRED FOR NCAA CERTIFICATION

	Division I	Division II
English Core	4 years	3 years
Math Core	3 years	2 years
Science Core (including at least one year of lab science, if offered)	3 years	2 years
Social Studies Core	3 years	2 years
From English, Math or Science	1 year	2 years
Additional Core (English, Math, Science, Social Studies, Foreign Language, Computer Philosophy, Nondoctrinal Religion)	3 years	3 years
TOTAL CORE UNITS REQUIRED	16	14

Earn a sum of scores of at least 68 on the ACT or a combined score of at least 820 on the recentered SAT on national test date. For Division I: the minimum grade-point average in the 13 core courses and required ACT and SAT score vary according to the Initial-Eligibility Index below. This index applies to students enrolling as a college freshman during 1996-97 and thereafter who wish to participate in Division I athletics.

Core GPA	2.500	2.500	2.475	2.450	2.425	2.400	2.375	2.350	2.325	2.300	2.275	2.250	2.225	2.200	2.175	2.150	2.125	2.100	2.075	2.050	2.025	2.000
ACT Sum	68	68	69	70	70	71	72	73	74	75	76	77	78	79	80	80	81	82	83	84	85	86
RC SAT	820	820	830	840-50	860	860	870	880	890	900	910	920	930	940	950	960	960	970	980	990	1000	1000

**Eaton Rapids High School Graduation Requirements
Class of 2011**

The 2006/07 school year marks the beginning of trimester scheduling at Eaton Rapids High School. Formerly all student schedules were based upon a semester model that offered students the opportunity to select six classes each semester for a total of 12 classes and six credits per year. Over the course of 4 years students could earn 24 credits while taking 48 courses.

Under the trimester scheduling model our students will now be offered the opportunity to construct daily schedules of 5 classes during three terms or trimesters. Each class successfully completed will continue to be worth one half credit and students will therefore be capable of taking 15 classes and earning 7.5 credits each year resulting in 60 courses for thirty credits over a four year period.

A student's graduation year and grade level will be established the year in which they first enroll in high school. The student will remain a part of that class until graduation. Students will be required to be in attendance 12 trimesters or 4 school years to be eligible to receive a diploma.

***Class of 2010 and beyond** (4 years of trimester – 30 credits) 30 credits possible w/28.5 required

At the end of 9th grade – 6 credits

At the end of 10th grade – 13.5 credits

At the end of 11th grade – 20.5 credits

At the end of 12th grade – 28.5 credits

Specific Course Requirements:

English – 4 credits for all students (English 9, 10, 11 and 12)

Science – 3 credits for the class of 2011 and beyond (Biology, Chemistry and Physics)

Math – 4 credits credits for the class of 2011 and beyond

Social Studies – 3 credits for the class of 2010 and beyond

Physical Education – .5 credits for the class of 2010 and beyond (All 9th grade students are required to take Physical Education A/B. Medical Exceptions will be allowed based on a written excuse from your physician)

Health - .5 credits (All 9th grade students are required to take Health)

Computer Literacy - .5 credits for all students (This requirement may be met by successfully completing one of the following courses: Computerized Accounting 2, Journalism 1, Computer Applications, BMA I/II/III, Computer Art, Digital Photography & Yearbook production. The following Lansing Community College classes will also be accepted: Graphics & Web Design, & Pre-engineering CADD/CAM.

Fine Arts – 1 credit for all students (classes in instrumental or vocal music, drama, business, life management, visual arts and technical Education meets this requirement).

Elective Credits – 12.5 credits.

***Students will be required to be in attendance 12 trimesters or 4 school years to be eligible to receive a diploma.**

Arts and Communication

Careers in Journalism

Assistant Newswriter
Assistant Production Manager
Assistant Writer/Editor
Author

Columnist
Editor
Journalism Technician
Layout Planner

Media Announcer
Newspaper Reporter
Production Manager
Publisher

Radio/TV Broadcaster
Technical Writer
Writer

Graphic Technology Arts

Author
Columnist
Computer Graphic Technician
Darkroom Technician

Editor
Graphic Artist
Layout Planner
Media Announcer

Newspaper Reporter
Printing Press Operator
Production Manager
Publisher

Radio/TV Broadcaster
Screen Printing Machine Operator
Technical Writer
Writer

Fine & Performing Arts

Accompanist
Actor/Actress
Art Director
Artist
Assistant Director
Assistant Producer
Band Orchestra Member

Carpet/Furniture Designer
Cartoonist
Choreographer
Chorus Member
Composer
Dancer
Director

Disc Jockey
Fashion Designer
Historian
Illustrator
Interior Designer
Lighting Director
Model

Musician
Painter
Producer
Sculptor
Set Designer
Theater Technician
Vocal Performer

Arts and Communication

Pathway Requirements

English 9, 10, 11, 12

Algebra I, Geometry, Algebra II

Biology, Chemistry, Physics

Civics/Economics, US History, World History

Computer Literacy

Fine/Practical Arts

Physical Education

Related Elective Courses

English Electives
Psychology
Foreign Language

Global Issues
Instrumental Music
Music

Pre-Calculus
Sociology
Visual Arts

Vocal Music

Arts and Communication

Suggested 4 year Plan

9th Grade

English 9/Adv. English 9
Algebra I/Adv Geometry
Biology/Advanced Biology
Civics/Economics
Physical Education /Health
Freshman Connections
Elective

10th Grade

English 10/American Lit
Geometry/Adv Algebra II
Chemistry Concepts/Chemistry
US History
Elective
Elective

11th Grade

English 11
Algebra II/PreCalculus
Physics Concepts/Physics
World History
Pathway Related Elective

12th Grade

English 12
Math
Elective
Pathway Related Elective
Pathway Related Elective
Elective
Elective

***Bold Items are graduation requirements**

Business Management Marketing & Technology

Accounting

Accountant
Analysis Consultant
Assistant Accountant
Auditor
Bank Teller
Bookkeeper
Budget Analyst

Buyer
Certified Public Accountant
Comptroller
Credit Analyst
Financial Analyst
Hotel Manager

Loan Officer
Stock Broker
Certified Managerial Acct.
Computer Information
Systems Careers
Computer Programmer

Data Processing Supervisor
Systems Analyst
Systems Designer

Computer Information Systems

Computer Programmer
Computer Service Technician
Data Processing Supervisor

PC & Office Machine Repair
PC Applications Clerk

Systems Analyst
Systems Designer

Marketing

Account Executive
Advertising Director
Agency Manager
Art Director
Assistant Buye
Asst. Distribution Manager

Asst. Public Relations Officer
Asst. Sales Manager
Automobile Dealer
Bank Manager
Claims Examiner
Entrepreneur

Lobbyist/Public Relations
Manager
Manufacturing Representative
Marketing Research Specialist
Media Buyer

Merchandise Displayer
Purchasing Agent/Buyer
Real Estate Broker
Sales Representative
Small Business Manager
Trade Show Exhibitor

Office Technologies

Administrative Assistant
Administrative Service
Bank Teller
Billing Clerk
Business Manager

Clerical Supervisor
Court Report
Credit Clerk
Data Processing Manager
Executive Assistant

General Office Clerk
Legal Secretary
Medical Secretary
Para Legal
Payroll Clerk

Receiving Clerk
Receptionist
Word Processing Specialist

Business Management Marketing & Technology

Pathway Requirements

English 9, 10, 11, 12

Algebra I, Geometry, Algebra II

Biology, Chemistry, Physics

Civics/Economics, US History, Government

Computer Literacy

Fine/Practical Arts

Physical Education

Related Elective Courses

Accounting I & II
AP Calculus
English Elective
Foreign Language
Pre-Calculus

Psychology
Sociology
Business Administration
Business Law I/II
Introduction to Business

Journalism
Off Campus Vocational Classes:
Computer Repair/Electronics
Computer Maintenance Network Technician
Marketing & Management

Retail Marketing
Visual Arts Classes
Work Experience

Business Management Marketing & Technology

Suggested 4 year plan

9th Grade

English 9/Adv. English 9
Algebra I/Adv Geometry
Biology/Advanced Biology
Civics/Economics
Physical Education/Health
Freshman Connections
Elective

10th Grade

English 10/American Literature
Geometry/Adv Algebra II
Chemistry Concepts/Chemistry
US History
Elective
Elective
Elective

11th Grade

English 11
Algebra II or Pre Calculus
Physics Concepts/Physics
World History
Pathway Related Elective
Elective
Elective

12th Grade

English 12
Math
Pathway Related Elective
Pathway Related Elective
Elective
Elective
Elective

***Bold Items are graduation requirements**

Engineering/Manufacturing and Industrial Technology

Building Construction Careers

Assistant Builder
Brick/Cement Mason
Builder
Building Contractor

Building Inspector
Building Superintendent
Carpenter
Estimator

Furniture Maker
Painter/Finisher
Paper Hanger
Plaster/Dry Wall Installer

Scheduler
Surveyor's Helper

Drafting & Design Technology Careers

Architect
Apprentice Machine Designer

CAD
Design Engineer

Landscape Architect
Machine Designer

Mold Designer
Tool & Die Designer

Engineering & Industrial Careers

Audio Service Technician
Camera Operator
Computer Division Manager

Computer Technician
Electrical Engineer
Electronics Manager

Industrial Elect. Apprentice
Sound Director
Video/Radio/TV Technician

Manufacturing Careers

Aeronautical Engineer
Agricultural Engine
Automated Equipment Tech
Automated Systems Programmer
Chemical Engineer

CNC Operator
Die/Mold Engineer
Industrial Engineer
Industrial Maint Mechanic App.
Machine Maintenance Tech

Machine Repair Apprentice
Mechanical Engineer
Model Maker
Nuclear Engineer
Plastics Engineer

Precision Machinist
Production Tech Manager
Quality Control Engineer
Tool & Die Maker

Research Occupation:

Computers, Mathematics & Operations

Actuary
Agricultural Economist
Applied Mathematician
Artificial Intelligence
Asst. Social Researcher

Chemical Technician
Computer Info Systems Asst.
Computer Scientist
Computer Programming Asst.
Market Research Analyst

Mathematician
Network Engineer/Analyst
Nuclear Technologist
Physicist
Power Production Technician

Rate Analyst
Social Scientist
Sociologist
Statistician
Urban Planner

Transportation Technology

Aeronautical Technician
Aircraft Mechanic
Aircraft Pilot-Commercial
Air Traffic Controller
Auto Body Owner/Manager

Auto Body Technician
Auto Mechanic Master
Auto Service Manager
Automotive Engineer
Aviation Maintenance Manager

Bus/Taxi/Limo Driver
Collision Estimator
Flight Engineer(Commercial)
Marine Mechanic
Motorcycle Mechanic

Railroad Engineer
Truck Drive
Trucking Fleet Manager

Engineering/Manufacturing and Industrial Technology

Pathway Requirements

English 9,10, 11, 12

Algebra I, Geometry, Algebra II, PreCalculus

Biology, Chemistry, Physics, AP Chemistry

Civics/Economics, US History, World History

Computer Literacy

Fine/Practical Arts (Technology Education)

Physical Education

Related Elective Courses

AP Calculus

Technology Education Classes

Manufacturing and Industrial Technology

Suggested 4 year plan

9th Grade

English 9/Adv. English 9
Algebra I/Adv Geometry
Biology/Advanced Biology
Civics/Economics
Physical Education/Health
Freshman Connections
Elective

10th Grade

English 10
Geometry/Adv Algebra II
Chemistry Concepts/Chemistry
US History
Elective
Elective
Elective

11th Grade

English 11
Algebra II/PreCalculus
Physics Concepts/Physics
World History
Pathway Related Elective
Elective
Elective

12th Grade

English 12
Math
Physics/AP Chemistry
Elective
Elective
Elective

***Bold Items are graduation requirements**

Health Sciences

Health Occupations

Audiologist
Caseworker
Certified Nursing
Dental Hygienist
Dental Laboratory

Dietician/Nutritionist
Emergency Medical Tech (EMT)
Fitness Coach
Hearing Testing Technician
Nuclear Medicine Technician

Nurse (LPN)
Pharmacist
Physical Therapist
Radiologist
Registered Nurse

Social Worker
Speech Pathologist
Sports Medicine Therapist
Ultrasound Technician

And...

Professional Plus Careers (i.e., Physician, Surgeon, Internist, etc.)

Health Sciences

Pathway Requirements

English 9,10, 11, 12

Algebra I, Geometry, Algebra II, PreCalculus

Biology, Chemistry, Physics, Human Anatomy, AP Biology, AP Chemistry

Civics/Economics, US History, World History, Psychology, Sociology

Computer Literacy

Fine/Practical Arts

Physical Education

Related Elective Courses

Foreign Language

Off-Campus Vocational Classes:

Personal Conditioning

Emergency Medical Technology & Fire Science

Child Development

Pre-Allied Health

Personal Conditioning

Personal/Family Living

Psychology

Sociology

Health Sciences

Suggested 4 year plan

9th Grade

English 9/Adv. English 9
Algebra I/Adv Geometry
Biology/Advanced Biology
Civics/Economics
Physical Education/Health
Freshman Connections
Elective

10th Grade

English 10
Geometry/Adv Algebra II
Chemistry Concepts/Chemistry
US History
Elective
Elective
Elective

11th Grade

AG&C/ACT Prep/American Lit.
Algebra II, Pre-Calculus
Physics Concepts/Physics
World History
Pathway-Related Elective (Human Anatomy)
Elective
Elective

12th Grade

Academic English
Pre-Calculus, AP Calculus
Human Anatomy/AP Biology or AP Chemistry
Pathway-Related Elective
Pathway-Related Elective
Elective

***Bold Items are graduation requirements**

Human Services

Child and Adult Care

Caseworker
Child Care Administrator
Child Care/Nursery Attendant
Cosmetologist/Barber

Day Care Assistant or Director
Early Childhood Educator
Home Care Attendant
Nursing Home Administrator

Nursing Home Worker
Pre-School Aide
Pre-School Teacher
Recreational Supervisor

Recreational Technician
Social Worker

Hospitality and Food Services

Assistant Conference Manager
Assistant Hotel/Motel Manager
Baker/Chef/Bartender
Butcher
Car Dealer

Cashier
Concierge
Conference Manager
Convention Director
Cook

Cruise/Tour Director
Executive Chef
Flight Attendant
Food Service Manager
Front Desk Manager

Home Economist
Hotel/Motel Manager
Special Events Coordinator
Tourism Director
Travel Agent

Public Safety & Protective Services

Armed Forces
Body Guard
Corrections/Prob./Parole Officer
FBI Agent

Fire Fighter
Hazardous Materials Tech
Lawyer/Judge
Officer/Police Chief

Pest Control Technician
Private Detective
Public Safety Officer
Security Director

Sheriff/Detective
State Police Commander
State Police Officer

Teaching Occupations

College Instructor/Professor
Counselor/Social Worker
Elementary Ed Teaching Asst

Elementary Teacher (K-6)
Librarian
Library Assistant

Paraprofessional
Secondary Ed. Teaching Asst
Secondary Teaching (7-12)

Special Ed. Teacher (K-12)

Human Services

Pathway Requirements

English 9,10, 11, 12

Algebra I, Geometry, Algebra II

Biology, Chemistry, Physics

Civics/Economics, US History, World History, Psychology, Sociology

Computer Literacy

Fine/Practical Arts

Physical Education

Related Elective Courses

Accounting I, II

Foreign Language

Global Issues

PreCalculus

World History

Human Services

Suggested 4 year plan

9th Grade

English 9/Adv. English 9
Algebra I/Adv Geometry
Biology/Advanced Biology
Civics/Economics
Physical Education/Health
Freshman Connections
Elective

10th Grade

English 10
Algebra II/Adv Geometry
Chemistry Concepts/Chemistry
US History
Elective
Elective
Elective

11th Grade

AG&C/ACT Prep/American Lit.
Algebra II, PreCalculus
Physics Concepts/Physics
World History
Pathway-Related Elective
Pathway-Related Elective
Elective

12th Grade

Academic English
Math
Psychology, Sociology
Pathway-Related Elective
AP Biology
Pathway-Related Elective
Elective
Elective

***Bold Items are graduation requirements**

Natural Resources

Agri-Science

Agricultural Extension Agent
Agricultural Scientists
Agricultural Chemical Technician
Agricultural Technician
Conservation Officer

Coop Extension Service
Farm Manager
Farmer
Fish & Wildlife Specialist
Fisher Technician

Floral Designer
Forester
Garden's Manager
Grounds Keeper
Horticultural Technician

Landscape Design Tech
Landscape Gardener
Limnologist
Naturalist
Park Manager
Soil Conservationist

Natural Resources

Pathway Requirements

English 9,10, 11, 12

Algebra I, Geometry, Algebra II

Biology, Chemistry, Physics, AP Chemistry, AP Biology

Civics/Economics, US History, World History

Computer

Fine/Practical Arts

Physical Education

Related Elective Courses

Foreign Language

Global Science

Physics

Botany

Precocious

Global Issues

Related Elective Courses

Technology Education Classes

Off Campus Vocational Class

*Horticulture and Landscape Design

Natural Resources

Suggested 4 year plan

9th Grade

English 9/Adv. English 9
Algebra I/Adv Geometry
Biology/Advanced Biology
Civics/Economics
Physical Education/Health
Freshmen Connections
Elective

10th Grade

English 10
Geometry/Adv Algebra II
Chemistry Concepts/Chemistry
US History
Elective
Elective
Elective

11th Grade

AG&C/ACT Prep/American Lit.
Algebra II, PreCalculus
Physics Concepts/Physics
World History
Pathway-Related Elective
Elective
Elective

12th Grade

Academic English
PreCalculus, AP Calculus
Physics/AP Biology/AP Chemistry
Elective
Pathway-Related Elective
Pathway-Related Elective
Elective

***Bold Items are graduation requirements**

Trimester Four Year Planning Guide

10 th Grade			9 th Grade		
Term 1 Courses	Term 1 Courses	Term 2 Courses	Term 3 Courses	Term 2 Courses	Term 3 Courses
12 th Grade			11 th Grade		
Term 1 Courses	Term 1 Courses	Term 2 Courses	Term 3 Courses	Term 2 Courses	Term 3 Courses

Course Descriptions 2010-2011

Business

**Business courses may qualify as a Fine/Practical Arts credit.
Students must have .5 credits of Computers to graduate.**

Computer Applications

Recommended grade level: 9-10-11-12

Prerequisite: None

Length of Course: One Term

Credit: .5 /Computer or Practical Art

A basic computer class that begins with a keyboard review & progresses to Microsoft programs, along with the use of the internet for research such as Excel, Spreadsheet and Power Point.

Business Administration

Recommended grade level: 10-11-12

Prerequisite: Computer App or Web

Design: Digital Imaging

Length of Course: 2 or 3 Terms/Must take at least 2 terms. *Recommended for 3 terms*

Credit: .5 per term/Computer or Practical Arts

Students will apply skills that they learned in Digital Imaging, Photography and Desktop Publishing to create a business model. New topics will include Viral Marketing, Business, Management, Employability & Career Development Entrepreneurship.

Introduction to Business A

Recommended grade level: 9-10-11-12

Prerequisite: None

Length of Course: One Term

Credit: .5/Elective

This course is designed to introduce students to the fundamentals of business activities in our society. Topics include: the Development of Products & Services, types of business, and World Trade.

Introduction to Business B

Recommended grade level: 9-10-11-12

Prerequisite: None

Length of Course: One Term

Credit: .5/Elective

This class is a continuation of the Intro A class with an emphasis on new topics including Advertising, Banking, Marketing, Stocks, Real Estate, Auto Insurance, and Career Exploration.

Accounting 1(Math Related)

Recommended grade level: 10-11-12

Prerequisite: None

Length of Course: Two Terms

Credit: .5 per term/Elective

May retake to satisfy 4th year math requirement.

Students will learn how to record the flow of money into and out of a company. You will also learn methods for keeping track of supplies, merchandise, and employee payroll. Computer business simulations are utilized to enhance the learning experience.

Computerized Accounting 2 (Math Related)

Recommended grade level: 11-12

Prerequisite: Accounting 1

Length of Class: Two Terms

Credit: .5 per term/Computer

This 2nd year course deals with more advanced methods of accounting. Students are presented with complex situations encountered in business and will learn how to use new and sophisticated accounting procedures along with computerized accounting systems to solve real life business problems.

Personal Finance

Recommended grade level: 12 Only

Prerequisite: Completion of Algebra 2 requirements

Length of course: One Term

Credit: .5

This course is designed to educate students about sound money management skills and the financial planning process. Units of study will include; financial planning, budgeting, investing, good and bad debt, keeping your money safe, insurance protection, and career planning.

Retail Marketing: Sports & Entertainment (A,B,C)

Recommended grade level: 11-12

Prerequisite: None

Length of Course: Three Terms

Credit .5 per term/Elective

This class offers students an opportunity to learn to run and operate a business. Students will learn the latest in marketing techniques as applied to sports & entertainment events, products, securities, and licensing. Students will develop, promote, and market actual profit-making sporting and entertainment events.

Business Law 1

Recommended grade level: 10-11-12

Prerequisite: None

Length of Course: One Term

Credit: .5/Elective

This class is designed to inform all students about the law and legal procedures through class discussion, case studies, presentations, law videos, projects, internet research and mock

trials. Topics covered include constitutional law, criminal law, crimes & punishment, law enforcement, civil lawsuits, torts, and laws to protect minors.

Business Law 2

Recommended grade level: 11-12

Prerequisite: Business Law

Length of Course: One Term

Credit: .5/Elective

This class is a continuation of the Business Law 1 class with an emphasis on new topics of law including family law-marriage, divorce, adoption, contract law, employment law-discrimination at work, injuries on the job, wages and promotion.

Information Technology

Digital Imaging for Print/Web

(Formerly Web Design)

Recommended grade level: 9-10-11-12

Prerequisite: Strong background in Windows File Management or Computer Application

Length of Course: One Term

Credit: .5/Practical Art/Computer

An introduction to manipulation of photographic images for print and web.

Topics include photo correction, file formats, layers, and filters.

Students will design bottle labels, scrapbook covers, posters and CD covers.

Software used is **Adobe Photoshop**.

Prerequisite is strong background in Windows file management as demonstrated by successful completion of Computer Applications.

Advanced: Web Publishing

Recommended grade level: 9-10-11-12

Prerequisite: Strong background in Windows File Management or Computer Application

Length of Course: One Term

Credit: .5/Practical Art/Computer

A study of preparation and production of material for presentation on the web.

Students will create practice websites and make their own web page. Software used is **Adobe Golive**

Prerequisite is strong familiarity with Adobe Photoshop as demonstrated by successful completion of Web Design: Digital Imaging or Digital Photography.

Advanced Web Design: Motion and Animation

Recommended grade level: 10-11-12

Prerequisite: Web Design or Digital Photography

Length of Course: 2 of 3 terms/must take at least 2 terms

Credit: .5/Computer/Practical Art

A course in manipulation and preparation of moving objects and animation for the web. Software used is **Adobe Macromedia Flash**.

Photo

Intro to Photography

Recommended grade level: 10-11-12

Prerequisite: None

Length of Course: One Term

Credit: .5/Practical Arts

You will learn how to use a digital camera, upload images to a computer, manipulate images in Photoshop and more. Students will also be studying the history of photography and other professional work as well as writing about and critiquing photographic images.

Digital Two

Recommended grade level: 10-11-12

Prerequisite: Digital Imaging for Print/Web

Length of Course: One Term

Credit: .5/Practical Arts

Digital Two will build upon your experiences in Digital One. We will explore digital cameras, Photoshop, advanced shooting techniques, studio lighting, video and layout and design. We will also be providing photography services for the High School and the surrounding community.

Desktop Publishing

Recommended grade level: 10-11-12

Prerequisite: Journalism, Photo or approval

Length of Course: One Term

Credit: .5 Practical Art/Computer

Desktop is an introduction to manipulation of photographic images for print and web. Topics include photo correction, file formats, layers, and filters.

Yearbook

Recommended grade level: 10-11-12

Prerequisite: Journalism, Photo or approval. Students are strongly encouraged to take Web Design: Computer Graphics for Electronic Journalism.

Length of Course: One Term

Students are encouraged to sign up for 3 terms. Students are also invited to participate in the publication of the Eatonian,

Journalism

Recommended grade level: 10-12

Prerequisite: English 9A & B

Length of Course: One Term

Credit: .5

This course is designed for students interested in exploring the various aspects of journalism. Students will examine the elements involved in producing a newspaper publication, will gain skills necessary for understanding and gathering news information and, with the basic writing skills learned, will gain practical experience writing news stories. Students will gain an understanding of basic technology used in newspaper production as well as learn about modern journalistic trends.

(Newspaper)

Recommended grade level: 10-11-12

Prerequisite: Intro Photo, Computer Art, Digital Imaging for Web Design

Print/Web

Length of Course: One Term

Credit: .5

Will encompass use of variable technologies to develop digital products.

Recommended grade level: 9
Prerequisite: 8th grade English
Length of Course: One Term
Credit: .5

English 9A is a required course for freshmen with grade-level reading ability. The focus of the class will be on the elements of language (grammar/usage). Students will respond to literature (non-fiction and short stories, and epic poetry through formal and informal essays as well as creative responses. The ACT writing format will be introduced.

English 9B Elements of Literature/Language (NCAA Core)

Recommended grade level: 9
Prerequisite: 8th grade English
Length of Course: One Term
Credit: .5

English 9B is a required course for freshmen with grade-level reading ability. Students will develop a greater appreciation of literature through a thematic approach to drama, poetry, and the novel. The focus of the class will be on literary analysis and reflective composition. The ACT writing format will be introduced.

English (Must have 4 credits to Graduate)

Advanced English 9A & 9B (NCAA Core)

Recommended grade level: 9
Prerequisite: Teacher Recom (A/B average in 8th grade English)
Length of Course: Two Terms

Credit: 1

Advanced English 9 is an extension/enrichment of the English 9 curriculum with an emphasis on literature and analytical writing. It is intended for students desiring a strong college prep curriculum.

English 10A Elements of Language/American Literature (NCAA Core)

Recommended grade level: 10
Prerequisite: Recommended successful completion of both English 9A and 9B
Length of Course: One Term
Credit: .5

English 10A is a required course for sophomore students with grade-level reading ability. Its purpose is to provide a logical progression of the skills acquired in English 9A and English 9B. Students will review, reinforce, and apply their understanding and command of the elements of language (grammar/usage). Students will read American literature

and write a variety of forms including narrative, expository, and persuasive.

English 10B Elements of Literature/American Literature (NCAA Core)

Recommended grade level: 10
Prerequisite: Recommended successful completion of both English 9A and 9B

Length of Course: One Term
Credit: .5

English 10B is a required course for sophomore students with grade-level reading ability. Its purpose is to provide a logical progression of the literary and composition skills acquired in English 9A and English 9B. Students will develop a greater appreciation of American literature through a thematic approach to non-fiction, poetry, drama, short stories, and the novel. The focus of this class will be on literary analysis and reflective composition. The ACT writing format will be emphasized.

English 11A ACT Prep (NCAA Core)

Recommended grade level: 11
Prerequisite: Successful completion of English 10A/B, Amer Lit or concurrently
Length of Course: One Term
Credit: .5

This one term course is designed to improve language and technical writing

skills that are tested by the ACT & SAT tests. An intense study of grammar & mechanics, it will emphasize the grammar, reading, vocabulary & persuasive writing skills that constitute the language arts, reading, & writing standardized tests. This a strongly recommended course for all juniors as they prepare for the ACT. It may be taken concurrently with Amer Literature or British Literature.

English 11B Literature & Composition (NCAA Core)

Recommended grade level: 11
Prerequisite: Successful completion of English 10A/B

Length of Course: One Term
Credit: .5

English 11B Literature & Composition provides a logical, structured progression for the skills & knowledge acquired in English 10A & 10B. Instruction & practice will be provided towards increasing proficiency in drawing inferences from British literature & interpreting facts & extending the meanings of literary selections presented in class.

General English 12A (NCAA Core)

Recommended grade level: 12
Prerequisite: Successful completion of English 11A/B
Length of Course: One Term
Credit: .5

General English 12A is a senior-level literature course combined with a series of writing assignments designed to develop composition skills & also present an array of literature around the world including plays, short stories, poetry & novels.

General English 12B/Senior Pathways (NCAA Core)

Recommended grade level: 12
Prerequisite: Successful completion of English 11A/B
Length of Course: One Term
Credit: .5

English 12B/Senior Pathways is a senior level course where students will develop research, presentation, reading & writing skills through investigating areas of

individual interest. Students are encouraged to become lifelong learners who are curious about the world & their places in it. Course evaluations include a portfolio, multimedia presentations, & reflective writing.

American Literature & Composition A & B (NCAA Core)

Recommended grade level: 10
Prerequisite: Successful completion of Adv English 9A & 9B English 10A & 10B(A/B average strongly recommended); Adv Grammar, teacher recommendation
Length of Course: One Term
Credit: .5

This is a literature course, which is combined with a series of writing assignments. The course will present a survey of American literature organized in a chronological framework; A will cover early America through 1840, and B covers 1840-1910. This is a class strongly recommended for any student planning to attend a four year college/university.

Honors British Literature A(449-1625) & B (1625-1837) (NCAA Core)

Recommended grade level: 11-12
Prerequisite: American Literature
Length of Course: One Term
Credit: .5

This is a literature course, which is combined with a series of writing assignments. The course will present a survey of British literature organized in a chronological framework covering 449-

1625 in Term A and 1625-1837 in Term B. This is a class strongly recommended for any student planning to attend a four year college/university.

AP English Literature (NCAA Core)

Recommended grade level: 12
Recommended classes: Amer Literature & British Literature
Length of Course: One Year
Credit: 1.5

This year long course, which includes an honor point when computing each final term grade, better prepares students for the Advanced Placement English tests offered in the spring of their senior year. Although the emphasis will be upon responding to literature, this should help students prepare for both English Literature & Composition test and the English Language & Composition test.

Advanced Composition – College Writing Workshop (English Elec)

Recommended grade level: 12
Prerequisite: Successful completion of English 11L/C, Amer Literature
Length of Course: One Term
Credit: .5

This writing workshop course will focus on various forms of essay & technical writing necessary for successful college writing. It is designed to explore the essay & technical writing necessary for successful college writing. It is designed to explore the essay in its personal, descriptive, analytical, and argumentative/persuasive forms as well as research writing with an introduction to MLA-style citation.

Courses currently not offered:

Classic Novels
Independent Reading
Creative Writing
World Literature
Public Speaking

Art

Students may elect no more than 3 terms of art.)

Basic Art A

Recommended grade level: 9-10-11-12
Prerequisite: None
Length of Course: One Term
Credit: .5/Fine Arts

Intro to the visual arts – don't have to be a Picasso to join us! Units include design, drawing, painting, art appreciation, and pottery. *New!* Additional material in computer –aided two-dimensional and three-dimensional design.

Basic Art C

Recommended grade level: 9-10-11-12
Prerequisite: None
Length of Course: One Term
Credit: .5/Fine Arts

A continuation of the Basic Art series using different materials & covering different topics & techniques (see Basic Art A). Areas to be covered include self-expression/the creative process, drawing (the figure animation), ceramics (mosaic, low relief), art appreciation (famous museums), and fibers (batik/papermaking/weaving).

Fine Arts

Computer Art

Recommended grade level: 9-10-11-12

Prerequisite: None

Length of Course: One Term

Credit: .5/Computer/Fine Arts

A fun but serious course that meets computer requirement-no art background required.; Learn how to draw/digitally manipulate images on the computer through a variety of programs

3D Art

Recommended grade level: 10-11-12

Prerequisite: None/Basic Art A is suggested

Length of Course: One Term

Credit: .5/Fine Arts

This course is an investigation of three-dimensional art techniques through pottery, sculpture, and low relief methods spread over an entire term. Units in this term include review of basic techniques (new students)/tool techniques/glaze technique,* cultural unit (African Art/Egyptian Art/the Americas), wheel/abstraction, casting (low relief), jewelry bling (ceramic), and (if time) an independent project. *first unit varies depending on what experience student has.

3D II

Recommended grade level: 10-11-12

Prerequisite: 3D Art

Length of Course: One Term

Credit: .5/Fine Arts

Student's may take 3D a second time (during the same hour as 3D) with a more independent structure by unit. (must have teacher permission before signing up).

Not offered

Basic Art C/Alternate years

Computer Art B/Alternate years

Band

Jazz Band-Improvisation

Recommended grade level: 9-10-11-12

Prerequisite: Audition with the director

Length of Course: up to three terms

Credit: .5/ per term: Fine Arts

A select instrumental music class that will develop and broaden the musical abilities of students interested in jazz, pop, rock, is open to all serious musicians. Some students admitted to jazz band may be assigned "B" group status until they can demonstrate proficiency consistent with the needs of the ensemble. The Jazz Band performs a minimum of three concerts, a jazz festival and various special events.

Marching Band

Recommended grade level: 9-10-11-12

Prerequisite: Audition with the director and/or Middle School Director's approval

Length of Course: Three Terms are recommended

Credit: .5/Fine Arts

The Eaton Rapids High School Bands are composed of instrumental musicians who have previously been a member of this band; incoming freshmen who have passed all 8th grade requirements, or students new to Eaton Rapids who have demonstrated their musical abilities to the director. All students chosen for membership must: (1) attend a one-week

marching band camp in mid-August, (2) attend all scheduled extra rehearsals and

performances and (3) supply white shoes, socks, shirt and gloves and summer uniform, as specified by the director. The fall will focus on marching. The marching band performs at a minimum of four home football games, a minimum of four parades, and various special events such as marching festivals and contests. For the second and third terms, all members will be divided into the Wind Ensemble or Wind Symphony. The descriptions for both ensembles follows: The **Wind Symphony** is an instrumental ensemble designed to provide musicians with more opportunities to perform literature of a high difficulty level. The wind symphony performs at a minimum of two concerts, the MSBOA Band and orchestra festival, commencement ceremony and various special events such as exchange concerts, assemblies, and for area civic organizations. The **Wind Ensemble** is a select instrumental ensemble designed to provide advanced musicians with more opportunities to play difficult literature than available in Wind Symphony. Each musician must be proficient on his or her instrument on a soloist level and must be available to study privately and attend the MSBOA Solo and Ensemble festival. The Wind Ensemble follows a similar performance schedule as the Wind Symphony outline

above. Students are placed in Wind Symphony & Wind Ensemble by the band director.

Music Appreciation A & B

Recommended grade level: 9-10-11-12
Prerequisite: None
Length of Course: One Term
Credit: .5/Fine Arts

This class is designed to introduce students to the musical arts. Students will learn about the cultural origins of music with lessons in rhythm, movement, composition, expression, performance evaluation and the impact and power of music in our lives.

Choir

Varsity Choir

Recommended grade level: 9-10-11-12
Prerequisite: None
Length of Course: Up to 3 Terms
Credit: .5 per term/Fine Arts
Varsity Choir is a mixed choral ensemble designed for students who are interested in vocal music.

Sweet Harmony

Recommended grade level: 9-10-11-12
Prerequisite: Audition with director
Length of Course: Up to 3 Terms
Credit: .5 per term/Fine Arts

Sweet Harmony is an advanced, treble choral ensemble designed for female students who are interested in furthering their skills in vocal music.

Chamber Choir

Recommended grade level: 9-10-11-12
Prerequisite: Audition with director

Length of Course: Up to 3 Terms
Credit: .5 per term/Fine Arts

Chamber Choir is an advanced, mixed choral ensemble designed for students Who are interested in furthering their skills in vocal music.

Drama

Recommended grade level: 9-10-11-12
Prerequisite: None
Length of Course: Up to 3 Terms
Credit .5/Fine Arts

This class is designed to expose students to the many different areas and aspects of drama. Topics covered include: basic elements of drama, drama history, simple pantomime, improvisation, character analysis, blocking stage makeup, basic lighting and stage directions, plot development, and play writing.

Music Performance

Recommended grade level: 9-10-11-12
Prerequisite: Approval of band & choir directors only.
Length of Course: Up to three terms
Credit: .5 term

This is a dual enrollment band/choir class open only to advanced students who have met the audition requirements for both Wind Ensemble and Chamber Choir.

During the 2nd and 3rd trimester (1st trimester will be unchanged), students will attend both classes on an every-other-day format or as the teachers see fit based on the performance calendar-this decision by the teachers will be final. All students will still be held accountable for assignments given on days they are not in class. Grading for the class will be 50% band 50% choir.

Life Management

Personal & Family Living (NCAA Core)

Recommended grade level: 11-12
Prerequisite: None
Length of Course: One Term
Credit: .5/Practical Arts

This class is designed to help 11th/12th grade student's better understand the development of personalities, character and their importance in developing friendships, dating, love and commitment.

Child Development & Parenting

Recommended grade level: 11-12

Mathematics

(Credits required to graduate: Class of 2010 – 3 credits

Class of 2011 and beyond – 4 credits of the following; Algebra, Geometry, Algebra II, and 1 credit of a related math course)

Algebra 1 A/B/C (NCAA Core)

Recommended grade level: 9
Prerequisite: Pre-Algebra B or higher 8th grade math
Length of Course: Three Terms
Credit: .5 per term

This course builds upon a number of key algebraic topics assumed to have been developed in the middle grades, namely a deep knowledge of linear patterns of change and familiarity with nonlinear

patterns such as exponential and quadratic.

Advanced Algebra 1 A/B (NCAA Core)

Recommended grade level: 9, Teacher Recommendation
Prerequisite: 8th grade math
Length of Course: Two Terms
Credit: .5 per term

This course will cover the same topics as Algebra 1 A/B/C in two terms.

Prerequisite: None
Length of Course: One Term
Credit: .5/Practical Arts

This class explores the physical, emotional, social, and intellectual growth Of the child from conception to school age.

Geometry A/B/C (NCAA Core)

Recommended grade level: 9-10
Prerequisite: Algebra 1 or teacher-recommendation
Length of Course: Three Terms
Credit: .5 per term

This course builds on a number of key geometric topics developed in the middle grades, namely relationships between angles, triangles, quadrilaterals, circles, and simple three-dimensional shapes.

Advanced Geometry A/B(NCAA Core)

Recommended grade level: 9-10

Prerequisite: Advanced Algebra 1 or teacher recommendation

Length of Course: Two Terms

Credit: .5 per term

This course will cover the same topics as Geometry A/B/C in two terms.

Algebra 2 A/B/C/D(NCAA Core)

Recommended grade level: 10-11-12

Prerequisite: Algebra 1 & Geometry or concurrent with Geometry by teacher recommendation

Length of Course: Four Terms

Credit: .5 per term

Students will study linear, quadratic, polynomial, exponential and logarithmic functions. This will be covered in 2 years.

Advanced Algebra 2 A/B(NCAA Core)

Recommended grade level: 10-11-12

Prerequisite: Geometry

Length of Course: Two Terms

Credit: .5 per term

This course will cover the same topics as Algebra 2 A/B/C/D but at a much faster pace.

Pre-Calculus 1(NCAA Core)

Recommended grade level: (10)-11-12

Prerequisite: Geometry & Algebra 2 or teacher recommendation. Recommended C or better in Algebra 2 and Geometry

Length of Course: One Term

Credit: .5 per term

This course is a preparation for Calculus. The study of topics, concepts, and procedures of Precalculus deepens students' understanding of algebra and extends their ability to apply algebra concepts and procedures at higher conceptual levels, as a tool and in the study of other subjects.

Probability & Statistics(NCAA Core)

Recommended grade level: 11-12

Prerequisite: Algebra 2

Length of Course: One Term

Credit: .5 per term

This course develops basic properties of probability with its extensions into use and interpretation of statistical

information. *A scientific calculator will be needed for this course.*

Trigonometry(NCAA Core)

Recommended grade level: (10)-11-12

Prerequisite: Pre-Calculus (Recommended C or better in Geometry & Algebra 2)

Length of Course: One Term

Credit: .5

This course develops an in depth understanding of the theory and application of trigonometry and its functions.

Advanced Placement Calculus(NCAA Core)

Recommended grade level: 11-12

Prerequisite: Pre-Calculus and Trigonometry (Recommended B+ or Better in Pre-Calculus and Trigonometry)

Length of Course: Three Terms

Credit: 1.5

This is a college level course of Calculus. The optional AP test, given in May, allows students to also earn college credit.

FOREIGN LANGUAGE

(2-3 years strongly recommended – required by some universities)

Spanish 1 (NCAA Core)

Recommended Grade Level: 9-10-11
(Not recommended but available for seniors)

Prerequisite: None
Length of Course: Two terms
Credit: .5 per term

Spanish 1 introduces students to the Spanish language through the four skills of listening, speaking, reading and writing. Cultural information about the Spanish-speaking world including geography, history, music and customs is also introduced with a special emphasis on Mexico.

Spanish 2 (NCAA Core)

Recommended Grade Level: 10-11-12
Prerequisite: Spanish 1 or teacher approval
Length of Course: Two terms
Credit: .5 per term

Spanish 2 builds on what was learned in Spanish 1. Students improve their skills in listening, speaking, reading and writing. Grammar study, vocabulary building and writing compositions are emphasized. Cultural information emphasizes Spain

Spanish 3 (NCAA Core)

Recommended Grade Level: 11-12

Prerequisite: Spanish 2 or teacher approval
Length of Course: Two terms
Credit: .5 per term

Spanish 3 continues the study of grammar and vocabulary on an advanced level and is designed for the student who wants to become fluent in written and conversational Spanish. The cultural information included emphasizes Central and South America.

AP Spanish (NCAA Core)

Recommended Grade Level: 12
Prerequisite: Spanish 3 or teacher approval
Length of Course: Three terms
Credit: .5 per term

AP Spanish is for the student who wishes intensive study of Spanish language skills grammar and/or wants to prepare to take the AP Spanish Language Exam. The class will be conducted almost entirely in Spanish and students will prepare for specific parts of the AP exam through speaking, reading, writing and listening exercises.

Japanese 1 (NCAA Core)

Recommended Grade Level: 9-10-11-12
Prerequisite: None
Length of Course: Two terms
Credit: .5 per term

Japanese 1 concentrates on learning to speak and write basic Japanese phrases and everyday language. Students learn some of the Japanese writing systems and a lot about Japanese culture.

Advanced Japanese (NCAA Core)

Recommended Grade Level: 10-11-12
Prerequisite: Japanese 1
Length of Course: Two terms
Credit: .5 per term

Advanced Japanese builds on the skills learned in Japanese 1 and improves skills in speaking, listening, reading and writing Japanese, especially reading and writing kanji. Students learn the practical application of Japanese language skills. Culture study includes history and the arts. This class may be repeated more than once.

German 1 (NCAA Core)

Recommended grade level: 9-10-11-12
Prerequisite: None
Length of Course: Two Terms
Credit: .5 per term

Students taking German 1 will be introduced to the German language through the four skills of speaking, listening, reading and writing. An introduction of various cultural aspects of the German speaking people will be included.

Advanced German (NCAA Core)

Recommended grade level: 10-11-12

Prerequisite: German 1 or approval

Length of Course: Two Terms

Credit: .5 per term

Advanced German is a continuation of the study of skills learned in German 1. Greater emphasis will be placed upon improving vocabulary, grammatical and conversational skills. This course can be taken up to three times with Teacher approval as different topics are covered each year.

Physical Education

(Students must have 1 credit of Physical Education to graduate)

Physical Education A (Fall)

Recommended grade level: 9 (10-11-12)

Prerequisite: None-available to students who have not completed the Physical Education for graduation.

Length of Course: One Term

Credit: .5

Golf, Soccer, Ultimate Frisbee, Roller Blading, Speedball, Touch Football, Daily Conditioning, & Health Concepts.

Physical Education B (Winter)

Recommended grade level: 9 (10-11-12)

Prerequisite: None-available to students who have not completed the Phys Ed requirement for graduation.

Length of Course: One Term

Credit: .5

Volleyball, Basketball, weight Training, Badminton, Floor hockey, Daily Conditioning, Paddleball & Health Concepts

Physical Education C (Spring)

Recommended grade level: 9 (10-11-12)

Prerequisite: None-available to students who have not completed the Physical Education for graduation.

Length of Course: One Term

Credit: .5

Tennis, Softball, Pickleball, Team Handball, Lacrosse, Daily Conditioning & Health Concepts.

Health

Recommended grade level: 9(10-11-12)

Length of Course: One Term

Credit: .5

Subjects covered will include conflict resolution, nutrition, substance abuse, and reproductive health.

Personal Conditioning

Recommended grade level: 10-11-12

Prerequisite: 1 credit of Physical Education

Length of Course: One Term

Credit: .5

Personal conditioning class is for those students who are interested in a more

advanced and in-depth study, conditioning and training of him/herself.

Science*(Required to graduate: Class of 2009 – 2 credits; Class of 2010 and beyond –3 credits)***Advanced Biology A/B(NCAA Core)**

Recommended grade level: 9

Prerequisite:

Length of Course: One Term

Credit: .5

This program will include 3 days in the weight room and 2 days cardiovascular workouts.

Fitness & Wellness

Recommended grade level: 10-11-12

Prerequisite: None

Length of Course: One Term

Credit: .5

This class is for those that would like to learn about lifetime fitness through various exercise methods; aerobics, pilates, exercise balls etc. Muscle toning, body balance, nutrition, weight management and women's health concepts will be emphasized. Not a sports class.

9th grade college prep. Hands-on lab-based biology course covering; cells, genetics, molecular genetics, evolution,

classification of all 6 kingdoms. A more in depth education than regular biology.

Biology A/B(NCAA Core)

Recommended grade level: 9

Prerequisite: None

Length of Course: One Term

Credit: .1.0

Biology A is the Study of microbiology including biochemistry, cells, and genetics. Hands-on, lab-based course introduces biological concepts and techniques

Biology B is the Study of macro biology including the human body, ecology, and evolution. Hands-on, lab-based course continues where Biology A leaves off.

Human Anatomy & Physiology A/B(NCAA Core)

Recommended grade level: 11-12

Prerequisite: Biology & Chemistry (Concurrently)

Length of Course: Two Terms

Credit: 1.0

Must have received credit in biology A & B. The study of the human body by looking at its' structure and function. A hands-on lab-based college prep course designed for those interested in the sciences. You will be expected to perform a cat dissection at the end of the second trimester.

AP Biology(NCAA Core)

Recommended grade level: 11-12

Prerequisite: Chemistry, Algebra 2 & Biology(Recommended B+ or better)

Length of Course: Three Terms

Credit: 1.5

11th or 12th graders that have completed both A & B of Chemistry, Algebra 2 & Biology (recommended B+ or above) or teacher admission. Hands-on lab-based college level Biology class designed to get students ready for college expectations and possibly place out of Biology at the college level. Topics covered; cells, ecology, genetics, biochemistry, molecular genetics, biochemistry, molecular genetics, evolutionary biology, plant diversity, animal diversity, & body systems.

Chemistry Concepts A/B(Not NCAA Core)

Recommended grade level: 10

Prerequisite: Biology A & B

Length of Course: Two Terms

Credit: 1.0

A survey of chemistry including atoms, periodic table, properties of matter, & bonding. Hands-on, lab-based course introduces basic concepts and lab techniques. During the 2nd term a conceptual study of chemical reactions, acid/base chemistry and thermo chemistry will occur using hands-on lab based techniques.

Chemistry A/B

Recommended grade level: 10

Prerequisite: Algebra 1

Length of Course: Two Terms\

Credit: 1.0

The study of matter and energy, the atom, periodic table, ions and bonding, and chemical reactions, stoichiometry,

solutions, acids and bases, reaction rates and red-ox reactions to prepare students for college chemistry. Hands-on lab based course introduces advance chemical concepts and techniques.

Recommended

to students with a grade of "B" in biology and Algebra I.

AP Chemistry(NCAA Core)

Recommended grade level: 11-12

Prerequisite: Chemistry & Biology (B or above or teacher recommendation,

Algebra 2 or concurrently

Length of Course: Three Terms

Credit: 1.5

11th or 12th graders that have completed chemistry & biology (B or above) or teacher admission. Hands-on lab-based college level chemistry class designed to get students ready for college expectations and possibly place out of chemistry at the college level. Topics covered include those covered in chemistry with further emphasis of lab technique.

Physics Concepts A/B(Not NCAA Core)

Recommended grade level: 11

Prerequisite: Biology A/B

Length of Course: Two Terms

Credit: 1.0

Hands-on, lab-based investigation of the rules of nature. You will study the behavior sound, light, mirrors, lenses, velocity, acceleration, forces, vectors, momentum and energy through mathematical processes. You will use a

conceptual approach to the concepts learned in physics

Physics A/B(NCAA Core)

Recommended grade level: 11-12

Prerequisite: Algebra 2

Length of Course: Two Terms

Credit: .5 per term

A hands-on lab-based investigation of the rules of nature. You will study the behavior of sound, light, mirrors, lenses, velocity, acceleration, forces, vectors, momentum and energy thru mathematical processes. You must be very proficient in algebra, using a scientific calculator and communicating in a written report.

Global Science(NCAA Core)

Recommended grade level: 10-11

Prerequisite: Biology A & B

Length of Course: One Term

Credit: .5

Applied science of the Earth's systems to society and the individual using hands-on labs, projects and research. Will study astronomy, climate and the hydrosphere.

Botany(NCAA Core)

Recommended grade level: 10-12

Prerequisite: Biology A & B

Length of Course: One Term

Credit: .5

Investigation of the Plant Kingdom. Hands-on indoor, outdoor, and greenhouse laboratory work which

includes use of microscopes and research into the varieties and workings of plants.

Senior Topics in Science(Not NCAA Core)

Recommended grade level: 12

Prerequisite: 2.0 or above in the following: Biology A/B; Chemistry or Physics

Length of Course: One Term

Credit: .5

This college prep course is designed for the science student interested in pursuing real world scientific inquiry. The student will select a topic which will be investigated through active research, experimental design, and physical testing. Formal lab report and presentation will culminate with a public presentation of the research. This course is designed to develop program management, public speaking, written and oral communications, and scientific inquiry skills utilized by professionals in the field of science. Senior Topics may be repeated as dictated by research and topics selected.

The following science courses are presently in development for future implementation:

Plant Biology 1

Plant Biology 2

Invertebrate Zoology

Vertebrate Zoology

Social Studies

(Required to graduate: Class of 2009 – 2.5; Class of 2010 and beyond – 3)

Freshmen Connections

Recommended grade level: 9

Prerequisite: None

Length of Course: One Term

Credit: .5

Freshmen Connections is a class focused on easing the transition to high school for ninth grade students. The course objectives include character building, study skills, and career exploration and planning. Special programs will also be presented to meet the ever changing needs of today's students.

9th Grade Economics

(Required)(NCAA Core)

Recommended grade level: 9

Prerequisite: None

Length of Course: One Term

Credit: .5

Economics is a required social studies class that presents the information required in the State of Michigan content expectations. Students will study the impact of various economic systems and the effect that producers, consumers, and government can have on the systems.

9th Grade Civics (Required)(NCAA Core)

(NCAA Core)

Recommended grade level: 9

Prerequisite: None

Length of Course: One Term

Credit: .5

The main purpose of the civic course is to increase the student's knowledge of the social and political organization of the United States.

United States History A: Foundations to 1940 (Required)(NCAA Core)

Recommended grade level: 10

Prerequisite: None

Length of Course: One Term

Credit: .5

The purpose of this course is to help students understand themselves as Americans through the study of United States History and the historical processes, which affect their lives. In this term, students will be able to discuss how the major trends, events, and individuals from the Founding of the nation to 1940 helped to shape modern America.

United States History B: 1940 to the Present (Required)(NCAA Core)

Recommended grade level: 10

Prerequisite: US History A

Length of Course: One Term

Credit: .5

Students will continue to explore and develop their understanding of themselves as Americans by looking at United States History and the Historical Process. This term of United States History will take a thematic look at history from 1940 to the Present.

Global Issues(NCAA Core)

Recommended grade level: (10)-11-12

Prerequisite: None

Length of Course: One Term

Credit: .5

This class is designed for students who want to gain a deep understanding of issues that have important implications for the world. As a result of the class students will be able to: Relate to world-wide issues from a global perspective, Debate values and priorities of the world's cultures, assert their basic understanding about principles of the world community.

Sociology(NCAA Core)

Recommended grade level: (10)-11-12

Prerequisite: None

Length of Course: One Term

Credit: .5

The basis of this class is for the students to become familiar with the basic concepts, theories, and methods of the discipline of sociology. They should also understand and be able to take a sociological perspective on personal experiences and public issues.

Psychology(NCAA Core)

Recommended grade level: (10)-11-12

Prerequisite: None

Length of Course: One Term

Credit: .5

This introductory psychology course will cover the major theories of psychology. It provides the student with exposure to a variety of topics such as development from infancy to adulthood, sensation, perception, stress, motivation, emotion, the brain and its importance, personality development, abnormal psychology, and methods of therapy.

AP Psychology(NCAA Core)

Recommended grade level: (10) 11-12

Prerequisite: Strongly recommended that the student take intro to Psychology

Length of Course: Three Terms

Credit: 1.5

AP Psychology is a college-level course

designed to prepare students for the AP Exam in May. Psychology is the study of behavior and mental processes, and this course is intended to introduce students to the concepts, principles, theories, and theorists of the major subfields associated with Psychology, as well as the methods and ethics used by researchers in these

fields. This is a reading and writing college-level intensive course that will require students to spend time outside of class for study and homework.

A.P. U.S. Government and Politics A, B & C(NCAA Core)

Recommended grade level: 11-12

Prerequisite: None

Length of Course: Three Terms

Credit: 1.5

This course is designed for the highly motivated student who wishes to be challenged while still in high school and has an interest in U.S. politics. This class is also designed to prepare students for the A.P. U.S. Government test given in May.

World History and Geography A Foundations to 19th Century (Required)(NCAA Core)

Recommended grade level: 11

Prerequisite: None

Length of Course: One Term

Credit: .5

Students will explore the world's history

from the beginning to the 19th century from a regional, interregional, and global perspective.

World History and Geography B 19th Century to the Present (Required)(NCAA Core)

Recommended grade level: 11

Prerequisite: World History A

Length of Course: One Term

Credit: .5

Students will explore the world's history from the 19th century to the present from a regional, interregional, and global perspective.

AP World History(NCAA Core)

Recommended grade level: 10-11-12

Prerequisite: None

Length of Course: Three Terms

Credits: .5 per term

AP World History is a course for college-bound students interested in building the knowledge base and analytical skills necessary for success at the post-high school level. AP World History will help students develop greater understanding of the evolution of global processes and contacts among and between different types of human societies. Special attention will be paid to preparing students for the AP World History Exam in May. Students who earn a qualifying score on the Advanced Placement Examination may have the opportunity to gain college credit for up to a full year of

world history. This course will be conducted using college-level standards.

U.S. Government (ELECTIVE)(NCAA Core)

Recommended grade level: (11)-12

Prerequisite: None

Length of Course: One Term

Credit: .5

This elective 12-week course has three purposes. Students: 1) learn how the government functions, at the national,

state and local levels, 2) learn how the actions of government affects them, and 3) learn how they can participate in government. Students will also participate directly in government, and civil society through a variety of required activities.

Technology Education

(Students may take up to 3 terms of drafting or Metals a year)

Drafting Technology

Recommended grade level: 9-12
Prerequisite: None
Length of Course: One Term
Credit: .5

Drafting Technology will focus on giving students a well rounded approach to technical drawing. It will include studies in sketching, engineering, architecture and CAD.

Beginning Metals

Recommended grade level: 9-12
Prerequisite: None
Length of Course: One Term
Credit: .5

This class will be a basic introduction to the metal working industry. There will be an emphasis on safety, measurements, blue print reading, sheet metal work, basic cutting operations (oxy/acetylene & plasma torch, hand saw), sheet metal equipment operations, metal identification (ferrous/nonferrous), resistance welding (spot welding), tool identification, tap & die calculations, an introduction to welding and machine tool (at the end of the semester).

Advanced Drafting

Recommended grade level: 9-12

Prerequisite: Drafting Technology
Length of Course: One Term
Credit: .5

Students will continue the start of architecture & engineering drafting topics. Students may select up to 3 terms of advanced drafting each year.

Advanced Metals

Recommended grade level: 10-11-12
Prerequisite: Metal Tech or Beginning Metals
Length of Course: One Term
Credit: .5

The students will learn basic welding and machine tool skills needed to produce quality products.

Welding-Safety

- Different welding processes: arc welding (stick), Gas metal Arc Welding (G.M.A.W.), Tungsten Inert Gas Welding (T.I.G.), Flux Cored Arc Welding (F.C.A.W.)
- different welding positions, welding electrodes, types of welding gases
- maintenance of welding machines

Machine Tool-Safety

- Knowledge of Vertical Mills & Lathes
- Speeds & Feeds

- Tooling set up: prepping High Speed Steel cutting tools
- Measurements=Micrometers
- Maintenance of Milling machines & Lathes
- Drill press & sharpening drill bits

Special Classes

Independent Study

Recommended grade level: 9-10-11-12

Prerequisite: Approval needed

Length of Course: One Term

Credit: .5

The Independent Study Program at Eaton Rapids High School is designed to expand the curriculum opportunities to students. It is intended for any student wishing to work at an advanced level in a specific subject area and who has exhausted ALL of the regular curriculum options. No more than one independent study may be taken in any one trimester and it cannot replace a subject that is required for graduation. A class offered in the regular schedule of offerings may NOT be taken as an independent study. Request for independent and consideration MUST be presented to the department facilitator by October 1st and February 1st each year. Applications are available in the guidance office.

Recommended grade level: 12

Prerequisite: Application

Length of Course: One Term

Credit: .5

Co-op involves linking career/technical classroom instruction with on-the-job training. The student learner is employed in a part-time job and is paid a wage. The student is also either currently enrolled in, or has successfully completed, a technical class either at Eaton Rapids High School or at the EISD Career Preparation Center at Lansing Community College. Related Career/Technical instruction includes classes within the following programs: Business; Technology Education; and all classes at the career center. Job placement must correlate with career pathway and EDP.

Cooperative Education

Career Preparation Courses

CPC classes are taken at an off campus location, usually Lansing Community College. CPC courses will take the place of 2 classes at the high school each trimester. Students taking CPC courses are expected to stay in their course the entire year. Students must have transportation to school if they take an Am class and home at the end of the day if they take a PM class.

CPC Classes

Recommended grade level: 11-12

Prerequisite: None for first year

Second year may have a prerequisite. See counselor for more information.

Length of Course: One or two years

Credits: 1 per term



ARTS AND COMMUNICATION PATHWAY

Careers related to performing, visual, literary and media arts. Career path might be for you if you...Are a creative thinker, imaginative, innovative and original? Are interested in communicating ideas? Like making crafts, drawing, playing an instrument, taking photos or writing stories?

Commercial Art: (LCC Downtown Campus) 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.

Percent of time spent on lecture:40% At computer or hands-on: 60% Typical amount of homework per week: Rarely
Academic Recommendations: Reading Level – High Math Level – Low Writing Level – High
Work Keys Entry Level Job Example: **Graphic Designer** Recommendations: Reading 5 Math 5 Locating Information 4

Computer Graphics and Web Design: (LCC West Campus) Course explores visual communication in art, photography, film, advertising,

video and the World Wide Web. Students are expected to develop projects in a highly technical environment including learning new computer languages, debugging code, and trouble shooting designs. The goal is to apply visual awareness and technical skills to create exciting, visually appealing web designs. Extensive hands-on training in several of the major software applications used in the field of graphic communication. Design and build complex websites with Adobe Dreamweaver, create and modify images in Photoshop, and add animation and multimedia to their sites with Flash.

Percent of time spent on lecture: 30% At computer or hands-on: 70% Typical amount of homework per week: Rarely
Academic Recommendations: Reading Level – High Math Level – Low Writing Level – High
Work Keys Entry Level Job Example: **Computer Specialist** Recommendations: Reading 4 Math 5 Locating Information 4

Fashion Technology: (LCC West Campus) Students will explore the careers of the fashion, textiles and merchandising industry through field trips, guest speakers, textbooks, workbooks, the Internet and other hands on activities. Students will learn about the globalization and environmental issues of the apparel industry using state of the art computer applications. Students learn how to sew by developing sample portfolios of clothing details, followed by making a tailored shirt, skirt and/or pants. In addition, they will use apparel production and manufacturing techniques with commercial sewing equipment. Students will implement green principles by learning how to reuse existing clothing and textile products. Sketching and drawing techniques are used to create fashion designs. As a result, students will use these designs to create a unique sewn garment.

Percent of time spent on lecture: 50% At computer or hands-on: 50% Typical amount of homework per week: 1-2 Hr
Academic Recommendations: Reading Level – Low Math Level – Low Writing Level – Low
Work Keys Entry Level Job Example: **Retail Salesperson** Recommendations: Reading 4 Math 3 Locating Information 5

Interior Design: (LCC West Campus) This course has been created from the first four classes taken by college interior design students. Students receive exposure to the pros and cons of a career in Interior Design, the fundamentals of sketching & drafting, the psychology & use of color, space planning & layout, selecting furniture & finishes, the history of furniture styles, and the new field of sustainable design. These are a few of the concepts students will encounter during the year. Hands-on projects, PowerPoint Presentations, field trips, and guest speakers are all utilized along with lecture, textbook and workbook.

Percent of time spent on lecture: 50% At computer or hands-on: 50% Typical amount of homework per week: 1-2 Hr
Academic Recommendations: Reading Level – Low Math Level – Low Writing Level – Avg
Work Keys Entry Level Job Example: **Interior Designer** Recommendations: Reading 4 Math 5 Locating Information 5



Careers related to business environment, Career path might be for you if you enjoy ...Being a leader, organizing people, planning activities and talking? Working with numbers and ideas? Carrying through an idea and seeing the end product? Balancing a checkbook, following the stock market, holding an office, surfing the Internet?

Computer Support: (LCC West Campus) This course provides students with the skills to diagnose and correct problems that computer users encounter. The students receives practical hands-on experience in installing, maintaining, and troubleshooting computer hardware and software while developing their communication skills and professionalism. This course includes the CompTIA A+ certification. If college level work is attained, student may earn up to 9 LCC credits.

Percent of time spent on lecture: 60% At computer or hands-on: 40% Typical amount of homework per week: Rarely
Academic Recommendations: Reading Level – Avg Math Level – Low Writing Level – Avg
Work Keys Entry Level Example: **Computer Support Specialist** Recommendations: Reading 5 Math 5 Locating Information 4

Information Technology Foundations/Programming: (LCC West Campus) This course provides an introduction to computers and their role in managing business information systems. Operating System architecture and functionality is presented. The course introduces computer programming that includes: structured program design, programming control structures, user interface design, and file processing. Students use appropriate design tools and write programs as part of their homework assignments.

Percent of time spent on lecture: 60% At computer or hands-on: 40% Typical amount of homework per week: Rarely
Academic Recommendations: Reading Level – Avg Math Level – Algebra 1 Writing Level – Avg
Work Keys Entry Level Example: **Computer Support Specialist** Recommendations: Reading 5 Math 5 Locating Information 4



ENGINEERING/MANUFACTURING/ INDUSTRIAL TECHNOLOGY PATHWAY

Careers related to technologies necessary to design, develop, install, and maintain physical systems. Career path might be for you if you are... Mechanically inclined and practical? Like reading diagrams and blueprints, and drawing building structures? Curious about how things work? Interested in painting houses, repairing cars, wiring electrical circuits, or woodworking?

Auto Collision Repair: (LCC West Campus) This course introduces the student to the tools and elementary repairs completed in the collision repair industry. This includes an introduction to the refinishing process that forms the basis for all automotive refinishing work. Surface preparation, material selection, beginning welding, and the use of hand and power tools (including automotive spray guns) will be covered.

Percent of time spent on lecture: 20% At computer or hands-on: 80% Typical amount of homework per week: 1-2 hr
Academic Recommendations: Reading Level – Low Math Level – Low Writing Level – Low
Work Keys Entry Level Example: **Auto Body & Related Repair** Recommendations: Reading 3 Math 3 Locating Information 3

Automotive Technology: (LCC West Campus) This course covers the four National Institute for Automotive Service Excellence requirements for training in auto service and brakes. Basic shop procedures and introduction to electrical components is also provided. Students must have a valid driver's license in order to operate vehicles in the lab.

Percent of time spent on lecture: 40% At computer or hands-on: 60% Typical amount of homework per week: Rarely
Academic Recommendations: Reading Level – Low Math Level – Low Writing Level – Low
Work Keys Entry Level Example: **Auto Master Mechanic** Recommendations: Reading 4 Math 4 Locating Information 4

Construction Trades: (LCC West Campus) This course teaches the basic skills of construction including

reading and interpreting architectural drawings, introduction to and use of power tools, residential framing and foundations, interior carpentry and remodeling, measuring, and applied mathematics.

Percent of time spent on lecture: 20% At computer or hands-on: 80% Typical amount of homework per week: Rarely
Academic Recommendations: Reading Level – Low Math Level – Pre Algebra Writing Level – Low
Work Keys Entry Example: **Construction Worker** Recommendations: Reading 4 Math 3 Locating Information 3

CAD/CAM/Pre-Engineering: (LCC West Campus) This course teaches the basic skills and concepts for design, manufacturing, and decision making related to engineering processes. Some of the skills covered are basic drafting conventions and techniques, 3D parametric modeling, and a study of materials and processes for modern manufacturing, material science and testing.

Percent of time spent on lecture: 40% At computer or hands-on: 60% Typical amount of homework per week: 1-2 hr
Academic Recommendations: Reading Level – Low Math Level – Pre Algebra Writing Level – Low
Work Keys Entry Example: **Electronic Drafter** Recommendations: Reading 5 Math 6 Locating Information 5

Electrical Utility Line worker: (LCC West Campus) This course provides an overview of the field of Electrical/Utility Line Worker. Students learn electrical safety practices, safety in the industrial workplace and on construction worksites, the prevention of accidents, correct response if an accident should occur and First aid. CPR/AED certificates will be issued upon successful completion. Students learn to use meters, basic wiring installation, and electrical codes and standards. Students are introduced to general fitness and wellness concepts. Students develop and participate in exercise plans tailored to their individual needs and as they relate to the Line worker occupation.

Percent of time spent on lecture: 75% At computer or hands-on: 25% Typical amount of homework per week: 1-2 hr
Academic Recommendations: Reading Level – Low Math Level – Low Writing Level – Low
Work Keys Entry Example: **Electrician** Recommendations: Reading 5 Math 5 Locating Information 5

Heating & Air Conditioning: (LCC West Campus) This course introduces students to hands on training with electrical trainers building basic circuits and then applying them to furnace trouble shooting. Students learn to build common sheet metal fittings used in installing residential ductwork. Solder/brazing is part of installing central air conditioning systems, and students are exposed to the different alloys and torches used in the HVAC industry. Students learn about how an air conditioner works and the procedures to recover refrigerant, evacuate systems and properly charge systems.

Percent of time spent on lecture: 47% At computer or hands-on: 53% Typical amount of homework per week: 1-2 hr
Academic Recommendations: Reading Level – Low Math Level – Pre Algebra Writing Level – Low
Work Keys Entry Example: **HVAC Mechanic** Recommendations: Reading 4 Math 5 Locating Information 5

Heavy Equipment Operation & Underground Construction: (AIS Construction Equipment Company/Shuttle available from LCC West Campus). Preference to students who have completed a Heavy Equipment Repair/Maintenance program. Learn skills for your lifetime! This course provides students with an orientation to the heavy equipment industry including heavy equipment safety, equipment maintenance and basic operation techniques for tractors, trucks, and earth moving equipment. Included will be techniques of underground construction including grades, below grade construction, surveying and earth moving. Also covered is how to pipe and cable including the different kinds of soils and processes used in different kinds of construction. This can be Part Two of a two-year program.

Percent of time spent on lecture: 50% At computer or hands-on: 50% Typical amount of homework per week: 1-2 hr
Academic Recommendations: Reading Level – Avg Math Level – Low Writing Level – Avg
Work Keys Entry Example: **Operating Engineer** Recommendations: Reading 4 Math 3 Locating Information – 4

Heavy Equipment Technology: (AIS Construction Equipment Company/Shuttle Available from LCC West Campus) This course introduces students to the electronics, hydraulics, engine performance, and fundamentals of mechanics related to heavy equipment and diesel equipment.

Percent of time spent on lecture: 50% At computer or hands-on: 50% Typical amount of homework per week: 1-2 hr
Academic Recommendations: Reading Level – Avg Math Level – Avg Writing Level – Avg
Work Keys Entry Example: **Mechanic** Recommendations: Reading 4 Math 4 Locating Information – 4

Heavy Equipment Repair/Maintenance: (AIS Construction Company/Shuttle from LCC West Campus) Learn skills for your lifetime! Classroom and hands on repair of construction and farm equipment. This is a unique opportunity for you to be trained at AIS Construction Company, a state-wide heavy equipment dealer. Tasks and skills learned will include: operating a diesel engine, disassembling and reassembling and engine to running condition; basic electricity; fundamentals of hydraulics including tearing down and assembling hydraulic components and cylinders; heavy equipment power trains; disassembling and reassembling transmissions and axle assemblies; applying all course content to the latest technology coming in from construction and farm equipment manufacturers. Part one of a two-year program.

Percent of time spent on lecture: 50% At computer or hands-on: 50% Typical amount of homework per week: 1-2 hr
Academic Recommendations: Reading Level – Avg Math Level – Avg Writing Level – Avg

Work Keys Entry Example: **Mechanic**

Recommendations: Reading 4

Math 4

Locating Information – 4

Welding Technology: (LCC West Campus) In this course, first year students are instructed in the basics of gas welding, brazing, cutting, and shielded metal arc welding on mild steel. Second Semester covers gas metal arc welding and flux core arc welding. Emphasis is placed on short circuit and spray transfers. Students are also prepared to set up and pass a qualification test according to the American Welding Society. Students taking a second year will learn advanced arc welding, which prepares them for welding pipe and passing a qualification test using shielded metal arc welding. In the second semester of the second year, students move onto learn gas tungsten arc welding as well as an introduction to blueprint reading for welders and metallurgy. Welding is taught through lectures and hands on experiences. Common sense and safety are important qualities for students interested in welding.

Percent of time spent on lecture: 20% At computer or hands-on: 80% Typical amount of homework per week: Rarely

Academic Recommendations: Reading Level – Low Math Level – Avg Writing Level – Low

Work Keys Entry Example: **Welder & Cutter** Recommendations: Reading 4 Math 3 Locating Information 4



HEALTH SCIENCES PATHWAY

Careers in this path are related to the promotion of health and treatment of disease. These include research, prevention, treatment and related health technologies. Career path might be for you if you are...Interested in diseases and how the body works? Enjoy reading about science and medicine? Like caring for people who are sick or to help them stay well?

Emergency Medical Services/Fire Science: (LCC West Campus) This course involves two segments. The EMS course 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.

Percent of time spent on lecture: 50% At computer or hands-on: 50% Typical amount of homework per week: 1-2 hr
Academic Recommendations: Reading Level – High Math Level – Low Writing Level – Avg
Work Keys Entry Example: **Fire Prevention Engineer** Recommendations: Reading 6 Math 3 Locating Information 5

Health Technology: (LCC Downtown Campus) This class prepares students for health related careers by providing: 1) an overview of current health systems, 2) information on potential careers, 3) application of necessary study skills, and 4) practice in the basic skills required for a job in a variety of health-related occupations. In the first semester, computer research and academic work focuses on various health careers. Second semester emphasizes skills for the nurse assistant certification (CENA long term care nurse aide *credentials*) and college level medical terminology. Throughout the course, students learn the professional characteristics for healthcare workers including critical thinking and interpersonal skills. Students develop the necessary study habits and note taking skills needed for the academic work of the medical field. Students are trained in a solid foundation of core nursing assistant skills including blood pressures, vital signs, occupied bed making, transfer techniques, and medical abbreviations. Whenever possible, students will have an opportunity to view various health career occupations through service learning opportunities, guest speakers, and off-site health career exploration. Those students who qualify may have the option to take Clinicals for the CENA certification after the school year ends.

Percent of time spent on lecture: 75% At computer or hands-on: 25% Typical amount of homework per week: 3-5 hr
Academic Recommendations: Reading Level – High Math Level – Low Writing Level – Avg
Work Keys Entry Example: **Nurse Aide/Orderly** Recommendations: Reading 4 Math 3 Locating Information 4



HUMAN SERVICES PATHWAY

Careers in this path are related to economic, political, and social systems. These include education, government, law and law enforcement, leisure and recreation, military, religion, child care, social services and personal services. Career path may be for you if you... Are friendly, open, understanding and cooperative? Like to work with people and to solve problems? Find it important to do something that makes things better for other people? Like to help friends?

**usti
ce:
(L
Cri**

Criminal Justice LCC West Campus) 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. Criminal Justice is primarily an academic program with some hands-on activities such as pressure points, take downs, handcuffing, Teen Court and firearms training throughout the semester. Field trips also are scheduled to the Hall of Justice, Camp Highfields (a juvenile center), the Ingham County Jail, and a prison (for those students who are at least 18 years of age). Frequent guest speakers give information about what it is like to be a police officer, corrections officer or juvenile worker.

Percent of time spent on lecture: 75% At computer or hands-on: 25% Typical amount of homework per week: 3-5 hr
Academic Recommendations: Reading Level – High Math Level – Low Writing Level – Avg
Work Keys Entry Example: **Police/Corrections Officer** Recommendations: Reading 4 Math 4 Locating Information 4

Culinary Arts and Food Service: (LCC Downtown Campus) 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—such as creating a Christmas feast, preparing a wide range of foods in the lab, and role playing—students will learn job search preparation skills and explore education requirements and skills for further advancement in the hospitality/foods industry.

Percent of time spent on lecture: 40% At computer or hands-on: 60% Typical amount of homework per week: Rarely
Academic Recommendations: Reading Level – Low Math Level – Avg Writing Level – Avg
Work Keys Entry Example: **Restaurant Cook** Recommendations: Reading 3 Math 4 Locating Information 4

Early Childhood Education: (LCC Downtown Campus) Paint, play dough, puppets, songs and picture books. These are the tools of an early childhood educator. In this program you will learn how to use these tools to teach children up to the age of nine. You will also learn important concepts related to child development, health and safety, and positive guidance and discipline. A placement experience with young children at a child care center occurs two days/week from late November through April. In addition, students develop the key components of their CDA Portfolio. This program is designed for students who want to work right out of high school in the high-demand field of early childhood education, or it fits a career goal of elementary education and related fields such as social work or child psychology.

Percent of time spent on lecture: 60% At computer or hands-on: 40% Typical amount of homework per week: 3-5 hr
Academic Recommendations: Reading Level – Avg Math Level – Low Writing Level – Avg
Work Keys Entry Example: **Child Care Worker** Recommendations: Reading 4 Math 3 Locating Information 4



NATURAL RESOURCES AND AGRISCIENCE PATHWAY

Careers in this path are related to agriculture, the environment and natural resources. These include agricultural sciences, earth sciences, environmental sciences, fisheries, forestry, horticulture, and wildlife. Career path may be for you if you... Are a nature lover? Are practical, curious about the physical world and interested in plants and animals? Enjoy hunting or fishing? Like to garden or mow the lawn? Are interested in protecting the environment?

**Zo
o
an
d
Aq**

Zoo and Aquarium Science (Potter Park Zoo/Shuttle available from LCC West Campus). This course is designed for students who have career interests in zoology, marine and animal science, veterinary medicine conservation and/or environment education. This is an in-depth, hands on learning experience in a real world setting—Potter Park Zoo. In addition to academic science course work, students will be expected to actively participate in zoo activities in all types of weather conditions.

Percent of time spent on lecture: 40% At computer or hands-on: 60% Typical amount of homework per week: 3-5 hr
Academic Recommendations: Reading Level – High Math Level – Avg Writing Level – High
Work Keys Entry Example: **Vet Technologist** Recommendations: Reading 4 Math 3 Locating Information 3

Floriculture: (LCC West Campus) Plants are used for food and clothing and ornamental purposes. The knowledge of growing, handling, packaging and selling are important for work in produce markets, production greenhouses, garden centers and specialty retail centers and hobby farms. This course will cover the basics of plant science. Plant functions, how and why they are grown, handled and sold will be covered. Plant identification of annuals, perennials, bulbs, woody trees, shrubs and vines as well as greenhouse tropicals will be covered.

Percent of time spent on lecture: 50% At computer or hands-on: 50% Typical amount of homework per week: 1-2 hr
Academic Recommendations: Reading Level – High Math Level – Avg Writing Level – High
Work Keys Example: **Nursery Worker** Recommendations: Reading 4 Math 3 Locating Information 4

CTE PROGRAMS THROUGH OTHER AREA CAREER CENTERS

***Available to Eaton County Students**

CAPITAL AREA CAREER CENTER IN MASON

The following programs are offered in partnership with the Capital Area Career Center in Mason with a separate enrollment process. For information contact Ingham ISD at 517-244-1330.

Capital Area Career Center Healthcare Education Partnership (CAHEP): (Lansing Hospital own transportation required.)

This program will provide high school students with direction and exposure to health careers, refocusing on developing academic, technical, and employability skills, as well as to prepare students to transition into post-secondary training and/or health care employment. Separate application process.

Work Keys Entry Example: **Nurse Aide/Orderly** Recommendations: Reading 4 Math 3 Locating Information 4

Lansing Area Manufacturing Partnership (LAMP): General Motors facility in downtown Lansing. Own transportation

In one of the most modern manufacturing facilities in the world, you will develop skills and knowledge in modern manufacturing processes, systems and state-of-the-art technology. This will include working with mentors, project advisors and subject matter experts. LAMP is considered an excellent preparation program for those students who have an interest in the business, entrepreneurship and engineering fields. Separate application process.

Work Keys Entry Example: **Engineering Tech.** Recommendations: Reading 4 Math 3 Locating Information 4

Michigan Colleges & Universities

It is the understanding of the students and staff at Eaton Rapids High School that continuing education is necessary for both Technical and professional pathway students so they can better compete in the future job market.

Upper Peninsula

Finlandia University
Michigan Tech. Univ-Houghton
Northern Michigan University
Gogebic Community College
Bay De Noc Community College
Lake Superior State University

Northern Michigan

North Central Michigan College
Alpena Community College
Kirtland Community College
Northwestern Michigan College
Baker College of Cadillac
Ferris State University
West Shore Community College
Mid Michigan
Mid Michigan Community College
Northwood University
Central Michigan University
Alma College
Great Lakes Junior College
Montcalm Community College
Delta College
Saginaw Valley State University
Baker College of Port Huron
St. Clair Community College
Baker College of Muskegon
Muskegon Community College

Lansing Area

Michigan State University
Lansing Community College
Davenport College of Business
Great Lakes Christian College
Baker College of Owosso

Grand Rapids Area

Grand Valley State University
Grand Rapids Community College
Aquinas College
Calvin College
Davenport College of Business
Grace Bible College
Cornerstone College
Kendall College of Art & Design

Ann Arbor Area

University of Michigan
Washtenaw Community College
Cleary College
Concordia College

Kalamazoo Area

Western Michigan University
Kalamazoo Valley Comm College
Davenport College of Business
Kalamazoo College
Lower Michigan
Lake Michigan College
Southwestern Michigan College
Andrews University
Glen Oaks Community College
Olivet College
Baker College-Jackson
Albion College
Kellogg Community College
Hillsdale College
Jackson Community College
Spring Arbor College
Adrian College
Sienna Heights College
Eastern Michigan University
Monroe County Comm College

Flint Area

University of Michigan-Flint
Charles S. Mott Community College
Baker College of Flint
Kettering (formerly GM)

Detroit Area

U. Michigan Dearborn
Wayne State University
Henry Ford Comm College
Macomb Comm College
Oakland C.C.-Bloomfield Hills
Schoolcraft College-Livonia
Wayne Co. Comm College
Center for Creative Studies
Detroit College for Business
Lawrence Technological Univ
Lewis College of Business
Madonna University-Livonia
Marygrove College
Sacred Heart Seminary College
University of Detroit Mercy
Walsh Coll of Acct.&B.A.-Troy
Baker College of Mt. Clemons
Rochester Area
Michigan Christian College
Oakland University
Baker College of Auburn Hills