Coloma High School

Home of the Comets

Academic Information & Course Descriptions **2011-12**

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Mission Statement:

We are dedicated to fostering pride in the school, the community, and nourishing a positive self-image for every student. Our belief is that all students can and will learn best when excellence is expected, educational achievement will be obtained only when students are encouraged and challenged to attain this excellence.

Coloma High School

300 West St. Joseph Street, Coloma, MI 49038
Phone: (269) 468-2400 Fax: (269) 468-2423
Website: http://www.ccs.coloma.org/colhs/

Coloma Community Schools Board of Education

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Rita Moore, Director for Special Education

Coloma High School (269) 468-2400

David Ehlers, Principal
Fred Paulsen, Assistant Principal – ext. 21
Fran Megyese, Counselor – ext. 18
Ken Schmaltz, Athletic Director – (269) 468-2409
Cathy Haley, CTE Director – ext. 40

GRADUATION REQUIREMENTS

Graduation requirements are as outlined below.

2012	
Social Studies	3.0 (Government, Economics, World History/Geography, U.S. History/Geography)
English	4.0 (English 9, 10, 11, 12)
Science	3.0 (Earth Science, Biology, Chemistry or Physics)*
Math	4.0 (Algebra, Geometry, Algebra II, 1 Math Credit during senior year)
Physical Education/ Health	1.0 (.5 Physical Education, .5 Health)
Visual, Performing, Applied Arts	1.0
Computer Education*	1.0
Online Learning Experience	
Total credits needed to graduate	**27**

Foreign Language 2.0 credit begins with the Class of 2016
***Beginning with 2015 Physics Essentials, Biology, Chemistry or Chemistry Essentials**

NOTE:

Personal curriculum modifications are possible as identified through Michigan Department of Education. All modifications must be arranged and approved through the student's counselor.

Alternative courses may be added to fulfill Michigan Merit Curriculum requirements. These courses are identified in the course descriptions.

NOTE:

Special Education Students: The Individualized Education Plan (IEP) shall identify the appropriate course or courses of study and identify the support, accommodations, and modifications necessary to allow the pupil to progress in the curricular requirements, or in a Personal Curriculum, and meet the requirements for a high school diploma.

NOTE:

Students may earn the 4th math credit taken during their senior year from successful completion of Auto, Drafting, Pre-Engineering, Machine Tool, Welding, Accounting I, Accounting II, or Finance Management, provided they have successfully completed Algebra I, Geometry, and Algebra II.

CLARIFICATION OF GRADUATION REQUIREMENTS

A student must meet/complete ALL graduation requirements to participate in the graduation ceremony.

TESTING OUT

State Aid Act 380.1279b allows a student to test out of a course on a pass/fail basis.

Guidelines for Testing Out

- Student must receive a C+ or better on a comprehensive course examination (includes semester final tests and portfolio assignments) to fulfill a requirement for graduation or a prerequisite for a course sequence.
- A "CR" will be entered on the transcript, instead of a grade, if the student receives a C+ or better on the test.
- The course will not be computed in the student's GPA.
- Student can only attempt to test out of a specific class one time.

NOTE:

Comprehensive course examinations include both semester tests (first and second semester) or comparable tests given to enrolled students. Tests assess the MDE HSCE's and may take up to three hours to complete. Some courses may also require completion of a portfolio or major project as assigned by the instructor.

ESSENTIAL CLASSES

Essential classes are available to students who have difficulty experiencing academic success in the regular classroom setting. Placement in Essential classes is by teacher and/or counselor recommendation through the use of assessment data. Essential classes are designed to cover high school content expectations while focusing on skills needed for the Michigan Merit Exam/ACT.

AP COURSES

Advanced Placement (AP) classes, administered by the College Board and taught at local high schools, allow students the opportunity to participate in college level courses and earn college credit while still in high school. AP courses are taught by specially trained teachers who follow college curriculum approved by the College Board. At the conclusion of the course, the student has the option to take the appropriate AP exam. Depending on the result and the college or university, the course may count for college credit. Students who know where they plan to attend college in the future should check on the acceptance of the AP course with the institution.

DIRECT CREDIT COURSES

These courses articulate between Coloma High School and higher academic educational institutions for college credit. These classes are offered at our high school during the regular school day and taught by

high school teachers who have been credentialed as adjunct college instructors. The curriculum has been approved by the higher academic institution to receive credit. Students taking these courses have the option of registering for college credit at a discounted rate. Students must have an acceptable ACT, SAT, PLAN, or Compass Test scores in order to register. Courses currently offered for Direct Credit are identified within the Course Description.

Students are strongly encouraged to look at the following websites to see how credit transfers to Michigan Colleges or Universities:

www.macrao.org or
www.mighicantransfernetwork.org

Students who know where they plan to attend college after high school should check with that particular institution to see how the credit transfers.

DUAL ENROLLMENT

Dual Enrollment is an educational opportunity designed by law that provides an option for 11th and 12th grade students to expand their opportunities in high school by simultaneously enrolling in college. Students may take classes for college credit, high school credit, or both. Activity courses, advanced placement, or courses that are currently taught at Coloma High School may not be taken for dual enrollment. Students may petition the Principal in the case of direct schedule conflict.

A student may take either one or two semesters of courses at a qualifying institution if they have Principal approval and they meet readiness assessment scores on the PSAT, PLAN, ACT, or the Michigan Merit Exam. Qualifying scores are as follows:

Test	Test Section	Content Area	Score
PSAT	Critical Reading	Reading	44
	Writing Skills	Writing	49
	Mathematics	Mathematics	45
PLAN	Mathematics	Mathematics	18
	Reading	Reading	17
	Science	Science	19
	English	English	21
ACT	Mathematics	Mathematics	18
	Reading	Reading	17
	Science	Science	19
	English	English	21
MME	Reading	Reading	1100
	Writing	Writing	1100
	Mathematics	Mathematics	1100
	Science	Science	1100
	Social Studies	Social Studies	1100

A student may apply for a dual enrollment class by picking up a dual enrollment application for their Guidance Counselor. Students may exchange a three credit college class for one high school semester class. Coloma Community Schools is mandated by law to pay a portion of the college tuition based on a State formula. Any amounts not covered would be the responsibility of the student or parent/guardian. If a student fails a dual enrollment class, they must reimburse the school system for the dual enrollment fees.

ONLINE LEARNING EXPERIENCE (Fulfilling MMC Graduation Expectation)

A quality online learning experience is a combination of structured, sustained, integrated, and meaningful web-based learning activities. A student who has been successful in this type of experience should develop competency for being able to learn in a virtual environment (lifelong learning). Throughout grades 6 – 12, students are required to complete a minimum of 20 hours.

CREDIT RECOVERY

If a student has failed a required class that is needed as a graduation requirement or has failed classes and is behind in his/her total credits, he or she may, with prior approval from the counselor, take a class through summer school, Michigan Virtual High School or other approved Internet based school, or approved correspondence class. Please check with the counselor prior to enrolling in any credit recovery program not sponsored by Coloma High School.

The name of the class and indication of Credit/No Credit are entered on the Coloma High School transcript but not computed in the GPA.

Students in need of credit are also offered a 6th Hour Odysseyware based remediation or credit recovery during 2nd and 3rd trimester and summer school. This type of online learning is used to assist students in completing course work. Students are recommended to these programs by instructor or counselors.

Once enrolled in 6th hour credit recovery, a student's day will have 6 periods and students are required to attend 6th hour as part of their normal day.

SCHEDULE CHANGES

The following criteria is used:

1. Schedule changes are only made for these reasons:
   a. Incorrect placement in course
   b. A health issue
   c. Lack of prerequisite
   d. Failure of a year-long or trimester class
   e. Teacher request (with administrative or counselor approval)
2. A schedule change cannot create an overload in another class.
3. A completed Schedule Change Request form must be submitted (forms are available in the Guidance Office). Where changes are allowed, the student will receive a new schedule. Until such time, the student must follow the original schedule.

REPEATING A CLASS

If a student repeats a class:

1. Elective credit is awarded for first course taken.
2. The grade for the repeated course will be used to fulfill course graduation requirements. It is important that the student discuss this with his/her counselor before scheduling to repeat a class.
3. Both grades are used in computing GPA.

GRADING SCALE

100 - 96	A
95 - 90	A-
89 - 87	B+
86 - 83	B
82 - 80	B-
79 - 77	C+
76 - 73	C
72 - 70	C-
69 - 67	D+
66 - 63	D
62 – 60	D-
Below 60	F

Letter Grades A to F
I.....Incomplete
N.....No Mark
CR....Credit
W.....Drop from class
When an "I" (Incomplete) grade is received, the student has 10 days following the distribution of report cards to make arrangements with the teacher to make up the work, or the grade is changed to an F. Under extenuating circumstances, the teacher may extend this period.

GRADING CRITERIA

Business/Computer Department

IT Courses:

Class Work……..	80%
Final Exam……..	20%

Business/Finance courses:

Participation……	10%
Projects……..	30%
Class work……..	40%
Final Exam…….	20%

Management Support:

Class work……..	40%
Participation……	10%
Skill Building/time Writings	30%
Final Exam……..	20%

Social Studies Department

Participation……..	20%
Homework…….	20%
Quizzes-Project……	50%
Final Exam……	10%

Math Department

Daily Practice……	16%
Minor Assessments…….	32%
Major Assessments…….	32%
Final Exam……	20%

Science Department

Daily Work…….	30%
Labs & Projects……	30%
Tests & Quizzes……	25%
Final Exam……	15%

English Department

Writing……..	30%
Reading/Projects……	30%
Tests/Exams……..	20%
Daily Work……	20%

Early Childhood Education/Cadet Teaching

Homework……	40%
Test/Exam……	20%
Teaching Portfolio/ CDA Resource Notebook	15%
Practicum……..	25%

Child Development

Homework……..	40%
Test…….	30%
Empathy Belly……..	10%
Baby Think It Over……..	10%
Book Reviews……..	10%

WEIGHTED GRADES

Weighted grades will be calculated and reported on the transcript along with the unweighted GPA for college admission and scholarship purposes. Students will receive a 1.0 addition for AP courses.

REPORT CARD DISTRIBUTION

Report cards are mailed home to parents at the end of each trimester. There are three (3) report cards per school year.

PARENT INTERNET VIEWER

Progress Reports are available to parents on a daily basis through Parent Internet Viewer. Access information is available through the high school office at (269) 468-2400.

HONOR GRADUATES (TOP TEN)

Following the tradition of many years at Coloma High School, all top honor students are equally recognized. There is no distinction as to the rank. There is no limit to the number of students who may earn honor recognition if they meet the scholastic standards set by the school.

HONOR ROLL

The Honor Roll is published at the end of each trimester. The Principal's List covers 4.0 GPA's. The Honor Roll covers GPA's of 3.0 or above with no grade lower than one C.

ACADEMIC LETTER

Student academic achievement at Coloma High School has always been stressed and expected. To recognize those students who consistently achieve high classroom grades, an academic letter is available. Upon meeting the following standards, a student will receive a letter "C" of the same size and shape as those awarded to varsity athletic winners:

1. Incoming sophomores, for their freshman year, had to be enrolled in four academic courses and maintained a 3.5 grade point average.
2. Sophomores, Juniors, and Seniors must maintain a 3.5 grade point average for the academic year and be enrolled in a minimum of 5 of 7.5 academic classes each year.
3. If a student had received an academic letter they can qualify for a chevron by maintaining a 3.5 grade point average and be enrolled in five academic courses
4. Seniors who have previously received an academic letter may receive a chevron with five academic courses with a 3.5 grade point average.
5. Academic courses are: English, Math, Science, Social Studies, and Foreign Language.

Procedure:
The qualification committee will be composed of the members of the Coloma National Honor Society Selection Committee.

A student will not have to turn in a written request to the Coloma High School office to be considered for an Academic Letter.

Awards will be presented to students at an evening Awards Assembly conducted by the National Honor Society advisor(s).

Academic awards for seniors will be presented at the Spring Senior Awards assembly.

NCAA AND NAIA ATHLETIC ELIGIBILITY REGULATIONS FOR COLLEGE BOUND STUDENTS/ATHLETES

The National Collegiate Athletic Association (NCAA) is a voluntary organization through which the nations' colleges and universities govern their athletics programs. In order for an athlete to be eligible to participate in Division I or Division II college athletics, he or she must meet minimal core course eligibility standards as follows:

DIVISION I
16 Core-Course Rule

4 years of English
3 years of mathematics (Algebra I or higher).
2 years of natural/physical science (1 year of lab if offered by high school).
1 year of additional English, Mathematics or natural/physical science.
2 years of Social Science
4 years of additional courses (from any area above, World Language of non-doctrinal Religion/Philosophy)

DIVISION II
14 Core-Course Rule

3 years of English
2 years of mathematics (Algebra I or higher).
2 years of natural/physical science (1 year of lab if offered by high school).
2 years of additional English, Mathematics or natural/physical science.
2 years of Social Science
3 years of additional courses (from any area above, World Language of non-doctrinal Religion/Philosophy)

ACT/SAT scores are also included in eligibility requirements.

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For more information, go to www.ncaa.org or call toll free: 877-622-2321.

TIPS FOR COLLEGE ADMISSION

Colleges consider the following areas when reviewing college applications for admission:

1. The high school academic record is the most important. This includes:
   - College prep classes (5 academic areas; English, Math, Science, Social Studies and World Language).
   - Level and rigor or courses such as Honors and AP courses completed.
   - Grade point average and rank in class.
2. Test Scores –ACT and/or SAT
3. Recommendations from high school teachers and/or counselors (which include student's character and personality). Students **MUST allow at least one week when requesting a recommendation.**
4. Extra-curricular activities
5. Community Service

It is suggested that students begin the college search early in the high school career to assist in making college/work plans. A VERY valuable resource is the Internet. All colleges have websites with extensive information about their schools, and many offer the option of requesting information and/or applying on-line. If Internet access is not available, both parents and students are welcome to access the Internet in our High School Media Center.

Limited college literature is available in the Guidance Office, however, the most up-to-date information is available through the Internet.

Notice Regarding Non-Discriminatory Policy

It is the policy of the Coloma High School to administer this policy and their school programs in a consistent and equitable manner and to provide equal opportunity to students without regard to race, color, creed, religion, sex, national origin, age, marital status, weight and height, or handicap.

The Board of Education subscribes to and promotes affirmative action in their employment practices as stated in their Affirmative Action policies and plans. Any questions regarding equal employment opportunity may be directed to the Director of Personnel/Affirmative Action Office and/or Superintendent's Office.

Any questions concerning Title IX of the Education Amendments of 1972, discrimination on the basis of sex should be directed to:
Civil Rights Coordinator, P.O. Box 550, Coloma, MI 49038, (269) 468-2424.

Inquires regarding compliance with Section 504 of the Rehabilitation Act of 1973, The Americans with Disabilities Act of 1990, and the Age Act of 1975 should be directed to:
Civil Rights Coordinator, P.O. Box 550, Coloma, MI 49038, (269) 468-2424.

Coloma Community Schools will not allow lack of English proficiency to interfere with learning. Support services will be provided to students and parents with limited English skills.

CAREER PATHWAYS

ARTS AND COMMUNICATION

PATHWAY DESCRIPTION	IS THIS CAREER FOR YOU?	CAREER CATEGORIES	CHS COURSES
Careers in this path are related to the humanities and performing, visual, literary, and media arts. These include architecture; graphic I, interior, and fashion design; writing; film; fine arts; journalism; languages; media; advertising; and public relations	Are you a creative thinker? Are you imaginative, innovative, and original? Do you like to communicate ideas? Do you like making crafts, drawing, playing a musical instrument, taking photos, or writing stories?	Advertising & Public Relations Creative Writing Film Production Foreign Languages Journalism Radio/TV Broadcasting	Music Theory/Appreciation, Band, Choir, Orchestra, Art, Graphic Arts, CAD Applied Business Tech, Web Page Design, Yearbook, Journalism, Economics, Law and Society, College Writing, Ceramics, Welding, Computer Arts and Graphics

BUSINESS, MANAGEMENT, MARKEETING, AND TECHNOLOGY

PATHWAY DESCRIPTION	IS THIS CAREER FOR YOU?	CAREER CATEGORIES	CHS COURSES
Careers in this path are related to the business environment. These include entrepreneur, sales, marketing, computer/information systems, finance, accounting, personnel, economics, and management.	Do you enjoy being a leader, organizing people, planning activities, and talking? Do you like to work with numbers of ideas? Do you enjoy carrying through with an idea and seeing the end product?	Accounting Office Administration Business Ownership Economics Personnel Hospitality/Tourism Mgmt. Computer/Information Systems Finance	Applied Business Tech, Finance Academy, Marketing, Personal Finance, Economics, Journalism, CISCO, Web Page Design, Office Tech Intern, Accounting, Business Management, Business Software, Office Technology, Computer Arts and Graphics

ENGINEERING/MANUFACTURING AND INDUSTRIAL TECHNOLOGY

PATHWAY DESCRIPTION	IS THIS CAREER FOR YOU?	CAREER CATEGORIES	CHS COURSES
Careers in this path are related to technologies necessary to design, develop, install, and maintain physical systems. These include engineering, manufacturing, construction, service, and related technologies	Are you mechanically inclined and practical? Do you like reading diagrams and blueprints, and drawing building structures? Are you curious about how things work? Would you enjoy painting a house, repairing cards, wiring electrical circuits, or woodworking?	Architecture Precision Production Mechanics and Repair Manufacturing Technology Engineering/Related Technologies Drafting Construction	Intro to Furniture Making, CAD, Architectural Drawing, Building Trades, Physics, Economics, Welding, Auto, Chemistry, Machine Tool, Engineering Drafting, Applied Business Tech, Metals Tech, Graphic Arts, College Writing, Computer Arts and Graphics

HEALTH SCIENCES

PATHWAY DESCRIPTION	IS THIS CAREER FOR YOU?	CAREER CATEGORIES	CHS COURSES
Careers in this path are related to the promotion of health and treatment of disease. These include research, prevention, treatment, and related health technologies.	Do you like to care for people or animals who are sick or help them stay well? Are you interested in diseases and in how the body works? Do you enjoy reading about science and medicine?	Dentistry Hygiene Medicine Nursing Nutrition and Fitness Therapy and Rehabilitation	Comparative Anatomy/Physiology, Biology, Chemistry, Psychology, Sociology, Protective Services, EMT, Pre Vet, Pharmacy Tech, Family Life, Child Study, Child Care, Applied Business Tech, Professional Health Care Academy, Forensic Science, Certified Nursing Assistant (CNA)

EDUCATION PATHWAY

PATHWAY DESCRIPTION	IS THIS CAREER FOR YOU?	CAREER CATEGORIES	CHS COURSES
Careers in this path are related to economic, political, and social systems. These include education, government, law and law enforcement, leisure and recreating, military, religion, child care, social services, and personal services.	Are you friendly, open, understanding, and cooperative? Do you like to work with people to solve problems? Is it important to you to do something that makes things better for other people? Do you like to help friends with family problems?	Human Services Education Child and Family Services Food and Beverage Service Law and Legal Studies Law Enforcement Cosmetologist Social Services	Child Study/Parent, Family Life, Art, Professional Health Career Academy, Psychology, Sociology, Finance Academy, Foods, Culinary Arts, Law and Society, Cadet Teaching, Early Childhood Education, Human Growth and Development

NATURAL RESOURCES & AGRISCIENCE

PATHWAY DESCRIPTION	IS THIS CAREER FOR YOU?	CAREER CATEGORIES	CHS COURSES
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.	Are you a nature lover? Are you practical, curious about the physical world, and interested in plants and animals? Do you enjoy hunting and fishing? Do you like to garden or mow the lawn? Are you interested in protecting the environment?	Agriculture Animal Health Care Earth Sciences Environmental Science Fisheries Management Wildlife Management Horticulture Forestry Life Sciences	Chemistry, Geology, Biology, Economics

*All Berrien County Shared Time classes are offered through Coloma Community Schools

ARTS DEPARTMENT

ART I (1 trimester)
MMC VPAA Credit
Level: 10, 11, 12
Prerequisite: none

Art I is open to anyone who shows an interest in doing art, exploring art history, and learning to analyze and appreciate art. A heavy emphasis will be on learning drawing skills and basic art principles. The student will learn how to draw realistically as well as from imagination. We will then explore color theory, painting, print making and three dimensional media. The principles learned and practiced in all the art courses are extremely beneficial to the careers in the commercial art field: graphic design, animation /film, advertising and interior/environmental design.

ART II (1 trimester)
MMC VPAA Credit
Level: 10, 11, 12
Prerequisite: Art I

This course is designed for the student with a good understanding of the basic principles learned in Art I, and the ability to apply them. The student is expected to know shading, perspective, contour line drawing, composition, and color theory. The first half of the course is devoted to drawing, with challenging assignments in charcoal pencil, ink and colored pencil. In the second half of the course, we will explore oil painting, color theory, design and portrait and human figure.

ART III (1 trimester)
MMC VPAA Credit
Level: 11, 12
Prerequisite: Art I and Art II

Art III is a course intended for the student who is seriously interested in the study of art and has previously shown potential art talent. Advanced techniques in many media will be introduced such as: batik, drawing and watercolor, and independent study. The student must be able to progress on an independent basis. The teacher is there to assist the students in such a manner that only persons who are serious-minded and self-disciplined enough to work on their own should consider taking this course.

ADVANCED ART II: PORTFOLIO EXPLORATION
MMC VPAA Credit
Level: 11, 12

Your second advanced art class will focus on portfolio-10-12 completed pieces, digital images that you take on a CD, an interview with an "admissions officer." The final digitized portfolio will be the exam grade.
Portfolio Exploration:
Students will focus on creating a portfolio. Most assignments are to be completed during class. Additional smaller drawings and assignments will be finished outside of class (Don't worry, I'll supply you with the materials). We will also learn how to take professional-looking photographs of our work, and learn how to upload them onto a CD. This class focuses on students who are contemplating a career in the arts, but it is not exclusive to only those students. Everyone will benefit from the class' research-based, organizational structure. It will prepare you for job interviews and many aspects of post K-12 experiences. The class will also be exercise oriented, focusing on composition, layout, vocabulary, and visual human language. Focus on presentation techniques.

POTTERY I (1 trimester)
MMC VPAA Credit
Level: 11, 12
Prerequisite: none

Pottery is a course in which the students must display ambition, patience, fortitude and be able to work independently. Learning to throw on the potter's wheel can only be learned through practice. Good attendance is also very necessary. Wheel throwing, hand building techniques, and sculpture will be taught, as well as glazing and decorating methods. No previous art experience is necessary, but students must desire to work with clay, which is messy. With this in mind, students will be able to display creative talent in an exciting medium.

ADVANCED POTTERY I (1 trimester)
MMC VPAA Credit
Level: 11, 12
Prerequisite: Pottery I

Advanced pottery is a course designed for the student who is seriously interested in working with clay and exploring new techniques in three dimensional form. Students will work independently with an emphasis on personal style.

MUSIC – BAND (3 trimesters)
MMC VPAA Credit
Level: 10, 11, 12
Prerequisite: Audition

To become a member of the high school band a student must have displayed satisfactory performance in the middle school and junior high school bands. A personal record of good class behavior and good attendance habits is essential. Each band member is expected to participate in: **Marching Band**- This group performs at all home football games and various parades during the year. Several styles of marching are utilized along with contemporary marching music. Extra evening rehearsals are held during the marching season and are required for each band member. The band participates annually in the Marching Festival sponsored by the Southwestern Michigan School Band and Orchestra Association and other marching competitions. **Concert Band**- This organization devotes itself to the study of the finest in band literature. Concepts of ensemble performance, ear training, basic musicianship and technical achievement are stressed. Concert performances are scheduled throughout the year. The band participates in festivals sponsored by the Michigan Band and Orchestra Association. Individual members are also encouraged to participate in the annual District All Star Band and The Solo and Ensemble Festival. **Pep Band** - This group furnishes the music at all home basketball games and at the pep assemblies.

CHOIR (3 trimesters)
Level: 9, 10, 11, 12
Prerequisite: None

Serenade is a non-auditioned choir comprised of freshmen through senior women with or without past singing experience. In addition to performing two and three-part treble choir literature, the class is designed to fit the needs of students interested in vocal music who demonstrate an attitude toward singing with choral excellence. Daily rehearsals will include the study of singing technique, sight-singing, music history, music theory, and performance habits. Students will be expected to participate in four concerts throughout the school year, participate in District and State Choral Festivals, singing workshops, and community events.

CONCERT CHOIR (3 trimesters)
MMC VPAA Credit
Level: 9, 10, 11, 12
Prerequisite: Audition and previous continuous enrollment and/or consent of director

This advanced-level mixed ensemble consists of a select number of students must demonstrate superior skills in the areas of vocal production, music literacy and seriousness of purpose in order to be considered for membership in this ensemble. Chamber Singers is an auditioned choir comprised of freshmen through senior men and women with past singing experience, a demonstrated ability to sight-sing at an advanced level, and an attitude toward singing with choral excellence. This ensemble will study and perform a broad range of vocal music styles. Students will also study more in-depth techniques for beautiful singing in a variety of style settings, music history analysis, music theory concepts, and performance practices. Students will be expected to participate in four concerts throughout the school year, participate in District and State Choral Festivals, chamber singing workshops, and community

BUSINESS DEPARTMENT

ACCOUNTING I
MMC VPAA Credit
MMC possible 4th year Math Credit
Level: 10, 11, 12
Prerequisite: Introduction to Business and Technology

The course will deal with preparing financial records for a service business organized as a **PROPRIETORSHIP**. Students will prepare financial records manually. They will be introduced to automated accounting. Accounting will help to prepare students for successful participation in a variety of office and business-related occupations. This course is intended to: 1) Develop in students the ability and desire to keep accurate records for personal use; 2) Develop in students the ability to interpret and analyze business papers in all areas of private life; 3) Develop in students the traits of neatness, accuracy, and orderliness.

ACCOUNTING II
MMC VPAA Credit
MMC possible 4th year Math Credit
Level: 11, 12
Prerequisite: Successful completion of Accounting I, with a C- or better.

This course will deal with preparing financial records for a merchandising business organized as a **PARTNERSHIP**. Students will prepare financial records either manually or using automated accounting. Students will improve their skills in automated accounting. Accounting will help to prepare students for successful participation in a variety of office and business-related occupations. This course is intended to: 1) Develop in students the ability and desire to keep accurate records for personal use; 2) Develop in students the ability to interpret and analyze

business papers in all areas of private life; 3) Develop in students the traits of neatness, accuracy, and orderliness.

INTRODUCTION TO BUSINESS AND TECHNOLOGY
MMC VPAA Credit
MMC – Online Credit
MMC possible 4th year Math Credit
Level: 8, 9, 10
Prerequisite: none

In this class students will be introduced to the Microsoft Office Suite products—Word, Excel, Publisher, and PowerPoint. Students may complete units on basic computer terminology, learning keyboard shortcuts, career exploration, creating a resume, and keyboarding skills.

BUSINESS MANAGEMENT I, II
MMC VPAA Credit
Level: 11, 12
Prerequisite: Basic Computers (with a C or better grade)

Students will be introduced to a variety of topics related to the business world. General business concepts, as well as advanced business principles will be presented. This is an 11th or 12th grade course in which the student earned a C or better in Basic Computers.

FINANCIAL MANAGEMENT
MMC VPAA Credit
MMC – Online Credit
MMC possible 4th year Math Credit

Financial Management introduces students to the world of money management and finance. They will learn what to do with their money by learning about their financial options and their responsibilities. Units to be studied may include: Planning Personal Finances, Banking and Credit, Investing Financial Resources, and Protecting Your Finances. Students will apply what they learn through real-world simulations and in-class projects and assignments. Students taking this course can earn a 4th year math-related credit if taken during their senior year.

DIGITAL MULTIMEDIA DESIGN
MMC VPAA Credit
Level: 10, 11, 12
Prerequisite: Introduction to Business and Technology (9th Grade Computers)

This application class is designed to teach the desktop publishing program Adobe In Design, and the graphic design program Adobe Photoshop. In Design and Photoshop are the same programs used for yearbooks. The projects are based on, but not limited to the student's future occupational preferences and are related activities.

DIGITAL MULTIMEDIA DESIGN II
MMC VPAA Credit
Level: 10, 11, 12
Prerequisite: Digital Multimedia

In this advanced course students work the Adobe programs, In Design PhotoShop, and Illustrator. Students design and implement projects on computers, using special software and hardware needed to complete the job. Students do many school projects for teachers, as well as class projects and community projects.

INTERACTIVE MEDIA
MMC VPAA Credit
LMC Direct Credit offered
Level: 10, 11, 12
Prerequisite: Digital Multimedia

In this course the student will be using Adobe Photoshop, Illustrator, Dream Weaver and HTML & XHTML to create basic Web Sites. Students will learn to develop a basic Web Page, add hypertext links, tables, frames and graphics.

COMPUTER ENGINEERING & PROGRAMMING I,II
MMC VPAA Credit
Level: 11, 12
Prerequisite: Digital Multimedia; completed Algebra with a B or higher

Learning the programming language for Visual Basic. This course starts right at the beginning and goes all the way through file handling which would be the equivalent of a first year college course.

COMPUTER DIGITAL VIDEO GRAPHICS I & II
MMC VPAA Credit
Level: 11, 12
Prerequisite: Digital Multimedia Design II

A class to edit and use digital video, editing software, Adobe Premiere and After Effects, and Impression to burn DVD's. Students will develop projects from the story board, to editing ,to burning the program on DVD.

OFFICE TECHNOLOGY I, II, III
MMC VPAA Credit
Level: 10, 11, 12
Prerequisite: Introduction to Business and Technology

Office Technology is a course intended to help students enhance their entry level employability skills

for the business environment. Students will learn desktop publishing using MS Publisher; web design using Front Page; and Information Processing using Work, Excel, and Power Point. Additional instructional units include: communication skills, internet use, and keyboarding skills. The second section of Office Technology is designed to help students further advance their skills needed for the business environment. Units of study include MOUS certification training for Word, Excel, Access, and Power Point; advanced desktop publishing using Business & Information Technology Adobe in Design; web page design using Work, Excel, and Power Point; voice recognition software; electronic calculator, records management, organizing and planning, and document processing.

Direct Credit is available from Lake Michigan College for this course

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ENGINEERING, MANUFACTURING, & INDUSTRIAL TECHNOLOGY

ARCHITECTURAL DESIGN AND DRAFTING I, II
MMC VPAA Credit
MMC possible 4th year Math Credit
Level: 10, 11, 12
Prerequisite: C or better in Drafting III

Further developing the board and CAD skills in any previous course(s), students will learn methods of construction from the perspective of conceptualizing, designing, and drafting the plans for a residential and/or commercial structures The topics covered in this course include structural drawing, map drafting, building site considerations, floor plan considerations, electrical & lighting, and plumbing & HVAC. AutoDesk AutoCAD Architectural Desktop will be used to create a set of 2-dimensional and 3-dimensional drawings.

DRAFTING I, II, III
MMC VPAA Credit
MMC possible 4th year Math Credit
Level: 9, 10, 11, 12
Prerequisite: Drafting I – none, Drafting II, III- C or better in previous course

Every manufactured object begins its life as a drawing. These three drafting courses introduce the student to the jargon, knowledge, and skills necessary to create to produce a design of anything ranging from a nail to the space shuttle to a stage production plan. These courses will broaden and reinforce the student's ability to visualize objects 2- and 3-dimensionally and create illustrations of the object. While this course should be of prime interest for students in the industrial trades and engineering areas, those in almost all other curriculums would benefit significantly. By gaining experience on both the drafting board and Computer-Aided Drafting (CAD) systems, the student will establish a solid foundation for viewing, creating, and understanding 2 and 3-dimensional representations of 3-dimentional objects.

GEOGRAPHIC INFORMATION SYSTEMS DESIGN
MMC VPAA Credit
MMC possible 4th year Math Credit
Level: 10, 11, 12
Prerequisite: C or better in Drafting III

One of the most important spatial analysis tools available today is Geographic Information System (GIS) software. This tool is extensively used in such diverse fields as Urban & Rural Planning, Forestry Management, Archaeology, Structural Engineering, Geology, Geography, Criminology, Telecommunications, Mapping, etc. With a geographic information system, one can capture, store, retrieve, analyze, and display spatial data that emphasizes the spatial relationships among objects or conditions being mapped. Enrolled students will learn, using AutoCAD MAP, the basic concepts, terms, techniques of GIS analysis.

3-D GRAPHIC ANIMATION
MMC VPAA Credit
MMC possible 4th year Math Credit
Level: 10, 11, 12
Prerequisite: C or better in Drafting III and at least one of the Advanced Drafting

With the increasing ease of use and lowering costs, 3-Dimensional Animation is one of the fastest growing fields. Its use is being seen in surroundings as diverse as the entertainment industry, training and education environments, and manufacturing companies. This course, using Autodesk 3Ds Max, introduces the student to the basic skills and knowledge enabling them to conceptualize, design, and produce an animation short.

PARAMETRIC DESIGN I AND II
MMC VPAA Credit
MMC possible 4th year Math Credit
Level: 10, 11, 12
Prerequisite: C or better in Drafting III

One of the most important and dynamic tools in most design industries today is 3-dimensional solid modeling. These courses provide the student with a firm foundation in the understanding and using Parametric Design programs like Autodesk Inventor

and Pro-Engineering to design and produce 3-dimensional virtual parts, assemblies, working drawings, and animation

PRE-ENGINEERING I, II
MMC VPAA Credit
MMC possible 4th year Math Credit
Level: 10 (with instructor permission), 11, 12
Prerequisite: C or better in Advanced Algebra

Because of the growing sophistication of the things we produce and do, the demand for almost all types of engineers is very high in our country, and will continue be so for the foreseeable future. Using a number of fun hands-on activities, the student learns and actively participates in projects from different engineering fields, learns about the difference between science and the engineering approach, and then employs the engineering approach to solving problems. The subjects covered in these courses include creating and manipulating digital music, creating and manipulating digital images, encrypting and decrypting techniques, as well as the design, construction, and programming of robots.

ELECTRICAL ELECTRONICS (2-hour block)
MMC VPAA Credit
MMC possible 4th year Math Credit
Level: 10, 11, 12
Prerequisite: none, self contained module

Electrical Electronics is a NATEF accredited course designed to prepare students to work on all aspects of the automotive electrical and electronics systems. Students need to be highly motivated and willing to do physical work. Students who complete the required tasks will have the opportunity to work on independent projects on their own or others vehicles. Students need to have very good attendance as one day missed means they missed 140+ minutes of instruction and lab time. In addition to course specific tasks the students will have the opportunity to learn to interact with other parts of the automotive industry.

AUTOMOTIVE BRAKE SYSTEMS (2-hour block)
MMC VPAA Credit
MMC possible 4th year Math Credit
Level: 10, 11, 12
Prerequisite: none, self contained module

Braking systems is a NATEF accredited course designed to prepare students to work on all aspects of the automotive brake system. Students need to be highly motivated and willing to do physical work. Students who complete the required tasks will have the opportunity to work on independent projects on their own or others vehicles. Students need to have very good attendance as one day missed means they missed 140+ minutes of instruction and lab time. In addition to course specific tasks the students will have the opportunity to learn to interact with other parts of the automotive industry.

AUTOMOTIVE SUSPENSION & STEERING
MMC VPAA Credit
MMC possible 4th year Math Credit
Level: 10, 11, 12
Prerequisite: none, self contained module

Suspension and Steering is a NATEF accredited course designed to prepare students to work on all aspects of the automotive suspension and steering system. Students need to be highly motivated and willing to do physical work. Students who complete the required tasks will have the opportunity to work on independent projects on their own or others vehicles. Students need to have very good attendance as one day missed means they missed 140+ minutes of instruction and lab time. In addition to course specific tasks the students will have the opportunity to learn to interact with other parts of the automotive industry.

ADVANCED AUTOMOTIVE
MMC VPAA Credit
MMC possible 4th year Math Credit
Level: 11, 12
Prerequisite: 2.0 or higher in Electrical Electronics, Braking Systems, and Suspension and Steering

Advanced Automotive Technology allows students who have passed all three of the primary courses to work independently on personal projects and customer vehicles related to one or more of the three areas. Students can do projects in areas we do not normally instruct such as changing a clutch or swapping an engine. These types of projects require instructor approval. The Advanced course is self directed and more of an independent study course and will require excellent attendance and self motivation.

MACHINE TOOL - FUNDAMENTAL
MMC VPAA Credit
MMC possible 4th year Math Credit
Level: 10, 11, 12
Prerequisite: none

This is an introductory course to the machine-tool field. Students are introduced to and given an opportunity to operate the standard machine tools including drill press, milling machine, lathe, and grinders. Classroom lecture and discussion will cover shop safety, machine tool occupations, measurement and layout, hand tools and blueprint reading. Students will have required projects and time permitting they are free to work on projects of their own choosing. A

student's grade is based on two-thirds lab work and one-third classroom work. The course is recommended for those students planning to enter the welding, drafting, alternative/nuclear energy field and automotive fields as well as the metalworking industry.

MACHINE TOOL - ADVANCED
MMC VPAA Credit
MMC possible 4th year Math Credit
Level: 11, 12
Prerequisite: Fundamental Machine Tool

This is an advanced course in which the student receives further lab experience in the operation of the standard machine tools. Projects, either required or self-chosen, involve more detailed operations and reflect a need for increased skills, both in machining and measurement. Classroom materials include a study of drilling, fasteners, lathe, threads, cutting speeds, and shop safety. Students enrolling in this pre-vocational course should be serious in their plans to enter a machine tool related trade. Direct Credit from Lake Michigan College (MACH 110 and TRIN 138) can be received upon completion of Machine Tool 2, and Lake Michigan College (MACH 120) can be received upon completion of Machine Tool 4. Students who complete these classes will have the opportunity for even further training in CNC (computer numerically controlled) at MTEC of Lake Michigan College for their senior year.

MACHINE TOOL- TECHNICAL
MMC VPAA Credit
MMC possible 4th year Math Credit
Level: 12
Prerequisite: Advanced Machine Tool

This course is aimed at preparing the motivated student for entry in the machine tool field. Emphasis is placed on skill development in measurement and machining. Lab work includes cylindrical grinding, electrical discharge machining, cross slide rotary table work and more detailed work on all the standard machine tools. Included in classroom sessions are studies on grinding machines and wheels, metallurgy, modern machining methods, milling machines and milling cutters, precision measuring, and career information. Field trips to local industries will supply added insight to the trade. Students completing this course can expect to find goods jobs available in well paid fields. Many previous graduates are now in or have completed apprenticeship programs.

WELDING FUNDAMENTALS (WELDING I, II)
MMC VPAA Credit
MMC possible 4th year Math Credit
Level: 10, 11, 12
Prerequisites: none

This is an introduction course for students who wish to learn welding as a trade or as an art form. The student will receive basic training in electric arc welding, oxyacetylene welding, manual flame cutting, and MIG welding. A student's grade is based on two-thirds lab work and one third classroom work. The course is recommended for those students planning to enter the welding, drafting, welding as art and automotive fields as well as the metalworking industry. Direct credit from Lake Michigan College (Welding 109, Intro to Welding) can be received upon completion of Welding II.

WELDING – ADVANCED (WELDING III-VI)
MMC VPAA Credit
MMC possible 4th year Math Credit
Level: 11, 12
Prerequisites: Fundamental Welding
This is an advanced course in which the student receives further lab experience in developing various welding operations with the standard welding equipment. Lab activity will be placed heavily on structural welds in various positions utilizing the electrical arc welder, and MIG welder. Students will also be introduced to TIG welding and Plasma cutting. While performing all of these students will start to construct basic projects form the skills learned. Direct credit from Lake Michigan College (Welding 110 MIG/TIG Welding) can be received upon completion of Welding IV.

EDUCATION

EARLY CHILDHOOD EDUCATION I
MMC VPAA Credit
Level: 10, 11, 12
Prerequisite: none

This course is designed to develop career competencies to work with children in the fields of: Daycare Provider, Teacher Aide, Preschool Aides, Preschool instructor, and Early Elementary Education. The students explore age and stage development, early childhood pedagogy, classroom management techniques. Practicum opportunity is also provided for students to use the knowledge gained in class. Students will complete many state licensing requirements including the Child Development Accreditation (CDA) resource file. Students may

receive direct credit from Lake Michigan College for ELCH 110 and ELCH 111 upon completion of the course

EARLY CHILDHOOD EDUCATION II
MMC VPAA Credit
Level: 10, 11, 12
Prerequisite: Early Childhood Education I C or better

Students will continue to develop career competencies to work with early childhood education. Curriculum, Developmentally Appropriate Practices, language skills, learning centers, and current issues in early childhood education will be topics that are studied. Students will be completing the written competencies for state licensing. Students may receive direct credit from Lake Michigan College for 6 college credits in Early Childhood Education upon completion of the course.

EARLY CHILDHOOD EDUCATION III
MMC VPAA Credit
Level: 10, 11, 12
Prerequisite: Early Childhood Education I & II C or better

The course addresses the administrative responsibilities of operating an early childhood program. Topics that are addressed include developing a business plan, licensing laws and requirements, budgeting, needs analysis, supervising staff, parent involvement and supervising curriculum. Students may receive direct credit from Lake Michigan College for ELCH 212, Administration of ELCH upon completion of the course.

CADET TEACHING I
MMC VPAA Credit
Level: 10, 11, 12
Prerequisite: none (Early Childhood Education I preferred)

Students will be examining the multiple responsibilities and roles of a teacher, while exploring the diverse career options in education. Subjects that will be covered are observing, educational pedagogy, human growth and development as it relates to teaching and learning. This course is designed to give students an understanding of the courses, requirements and skill needed to become a certified educator. The student will be participating in a Student Teaching experience and will be compiling a teaching experience portfolio which will be built upon during college. Student may receive direct credit from Lake Michigan College upon completion of the course.

CADET TEACHING II
MMC VPAA Credit
Level: 10, 11, 12
Prerequisite: Cadet Teaching I with C or better

In this class you will be developing and understanding to school structures, operations and policies, teaching methodology and critical issues in education. Students will be working on their educational portfolios and acquiring hours for you pre-teaching requirement for college.

HEALTH SERVICES

CERTIFIED NURSING ASSISTANT I (C.N.A)
Level: 10, 11, 12
Prerequisite: none

There is a great demand for health care workers and with the current shortage of nurses a great place to start your nursing career is the C.N.A. program. Students will get an in-depth education in the classroom and in the clinical setting using skills needed to give quality compassionate care. Direct College Credit is available. This class will better prepare you for Professional Health Care Academy.

CERTIFIED NURSING ASSISTANT II (C.N.A)
Level: 10, 11, 12
Prerequisite: C.N.A. I with C or better

In C.N.A. II students will get a more in depth understanding of nursing skills and practices and utilize the skills in a hospital setting.

LANGUAGE ARTS DEPARTMENT

ENGLISH 10 (Required)
MMC English Credit – Year 2
Level: 10
Prerequisite: None

Literature and Composition 10 course builds on the Grade 9 English course; it extends the range of analytic, reading, writing, oral communication, and thinking skills that students need for success in secondary school programs. In Literature and Composition 10 students study and interpret challenging texts from contemporary and historical periods, including novels, poems, plays, and opinion pieces, and analyze and create effective media works. An important focus is the thoughtful use of spoken and written language.

ENGLISH 11 (Required)
MMC English Credit – Year 3
Level: 11
Prerequisite: English 10

This course is an 11th grade core course designed to provide students with the opportunity to explore a variety of texts and develop their reading and writing skills, extending the range of analytic, reading, writing, oral communication, and thinking skills that students need for success in secondary school programs. The literature course includes three major literary genres including short stories, the novel, and dram. Personal reading skills are developed using the writing process through regular practice in a variety of forms including journals, poetry, narrative, and exposition. Practice in the multi-paragraph essay is provided and the literary insight essay is introduced.

ENGLISH 12 (Required)
MMC English Credit – Year 4
Level: 12
Prerequisite: English 10, 11

This course is a core course for seniors which emphasizes critical reading and thinking skills and effective communication, both in writing and speaking. Similarly, the class encourages students to become thoughtful "consumers of information" who are able to appraise real-world issues logically and from various viewpoints. An over-arching goal of the class is to foster an appreciation of good literature by studying the craft of writing and the particular techniques used by great writers, and by reading literature that is both high-interest and thought provoking. One other related goal is to encourage students to read beyond the classroom and become life-long readers. The core texts will contain a good deal of contemporary literature in several different genres, which will expose students to wide variety of accessible, interesting, and high quality writing.

AP ENGLISH LANGUAGE AND COMPOSITION (Enrichment)
MMC English Credit – Year 3 or 4
Level: 11, 12
Prerequisite: Teacher Recommendation

Advanced Placement (AP) English Language and Composition is a college level course that deals in recognizing, analyzing, and expressing ideas. Specifically, AP English Language is intended to refine and extend skills and knowledge in the following areas: speaking and writing proficiency; response to literature and other prose forms and the articulation of this response; understanding language, its nature and functions; and independence in reading, though and expression. It brings into focus the interactions among a writer's purposes, audience expectations, and subjects, as it promotes examination of the conventions and resources of language that contribute to effective writing. Although the course is designed to prepare students for the AP Language and Composition Exam, it is not just a test prep course. This course is designed to provide students a rigorous academic background in language and literature and the requisite skill set to handle the demands and challenges of post-secondary study.

CONTEMPORARY THEMES (1 Trimester) (Enrichment)
Level: 12
Prerequisite: English 11

A thematic approach to Literature. Students will read novels and selections from Contemporary Authors based on relative themes pertaining to 21st century high school students. Themes may include, but are not limited to racism, gender, substance abuse and capital punishment. Special emphasis will be placed on reading comprehension, critical thinking, written proficiency and communication.

CREATIVE WRITING (1 trimester) (Enrichment)
Level: 10, 11, 12
Prerequisite: English 10

This course focuses on the general and specific skills and techniques that are the cornerstones of good writing. The craft of writing is taught using a great deal of advice from professional writers in their own words. Although the primary goal of the class is to become a better writer, another aim of the class is to appreciate and learn from great literature. An important doctrine of the class is that to become a better writer, we must first become strong, well-versed readers of great literature; therefore, a good deal of class time is spent analyzing great pieces of creative writing, and in the process, adding to our own "toolboxes". The class also focuses a great deal on writing as a process, and focused feedback from the teacher and peers will be utilized to improve each student's writing. Required writing will include an autobiographical piece, a short story, several poems, and a number of paragraph assignments.

MEDIA LANGUAGE ARTS (1 trimester) (Enrichment)
Level: 11, 12
Prerequisite: None

Welcome to the wonderful world of movies! This course is meant to give the student a deeper appreciation of how and why the medium of film influences modern man along with the technical

elements of the craft of film making and its history. Topics for this class include: basic theories of mass media, history of American film making, understanding the visual language of film, the craft of film making, cinematography, acting, and genre of film. In addition to being introduced to media literacy and film appreciation, students will receive training in elementary film production and the use of audiovisual equipment by creating their own short films.

SPEECH I (1 trimester)
(Enrichment)
Level: 10, 11, 12
Prerequisite: none

In this course students will learn the elements of public speaking. These elements include research, outlining, delivery, and listening techniques. Students will learn these elements by preparing and presenting numerous types of speeches including the following: demonstrative, persuasive, informative, and impromptu. Students will also participate in preparing appropriate speeches for the following scenarios: introductions, award acceptance, best man/ maid of honor, interviews, and eulogies. The ultimate goal of the course is to produce students capable of communicating effectively in front of audiences in various situations.

SPEECH II (1 trimester)
(Enrichment)
Level: 11, 12
Prerequisite: Speech I

This course is for those who wish to further develop the skills and techniques learned in Speech I. Students will prepare and present numerous types of oral presentations including the following: debate, drama, dramatic readings, persuasive argumentation, symposia (group speaking), and impromptu. In this course, students will also be required to present a speech outside of the classroom. The ultimate goal of the course is to produce students that are experienced public speakers both in and out of the classroom setting.

MATHEMATICS DEPARTMENT

ALGEBRA I (Required)
MMC Algebra – 1 credit
Level: 10
Prerequisite: Pre-algebra

This course consists of basic concepts of Algebra including topics such as: linear functions, graphing, patterns, rates of change (slopes), expressions, and solving multiple-step linear equations. Ideas will be examined through various teaching and learning strategies to provide students with a solid foundation for future math courses. The second part of Algebra takes an in-depth look at linear systems, inequalities, exponents, multiplying and factoring polynomials, quadratic equations and an introduction to other polynomial functions. Functions will be studied using, graphs, tables and equations. Graphing technology will be used.

GEOMETRY (Required)
MMC Geometry - 1 Credit
Level: 10, 11
Prerequisite: Algebra I

This course will study geometrical figures and their properties. Algebra is integrated with properties learned in the class. Topics covered include: coordinate geometry, transformations, logical reasoning, axiomatic systems, and formal proof. Trigonometry is introduced. Also covered are perimeter, area, and volume formulas for two-dimensional and three-dimensional figures.

ALGEBRA II (Required)
MMC Algebra 2 - 1 Credit
Level: 10, 11, 12
Prerequisite: Geometry

Algebra 2 is a study of mathematical models based on functions. Through applications, and with the aid of graphing calculators, students will learn to recognize and use linear, quadratic, polynomial, exponential, and logarithmic functions, conic sections, and an introduction to sequences and series. This is a required course for all high school students.

PRE-CALCULUS (Enrichment)
MMC possible Math Credit – 4th year
Level: 11, 12
Prerequisite: Algebra 2

Pre-Calculus discusses the topics in algebra, trigonometry and analytic geometry that are necessary for the study of calculus. Through application, and with the aid of graphing calculators, students will learn and use quadratic, polynomial, rational, exponential, logarithmic, and trigonometric functions, vectors, matrices, systems of equations, parametric equations, and sequences and series.

AP CALCULUS AB (Enrichment)
MMC possible Math Credit – 4th year
Level: 12
Prerequisite: Pre-Calculus

In AP Calculus AB students will be introduced to limits, derivatives and integral functions, using them extensively with applications in graphing, velocity, acceleration, maximum and minimum problems, and finding areas and volumes bounded by curves. Students are expected to be responsible, hard working individuals who work well individually and in small groups. This is a college level course, for which successful completion of the AP exam may offer the student college credit, depending on the university.

STATISTICS (Enrichment)
MMC possible Math Credit – 4th year
Level: 11, 12
Prerequisite: Algebra II

This is a college preparatory course that develops basic properties of probability with its extensions into use and interpretation of statistical information. Topics studied include descriptive statistics, probability, probability distributions, hypothesis testing, statistical significance, correlation and regression equations, and analysis of variance.

PHYSICAL EDUCATION DEPARTMENT

PHYSICAL EDUCATION
MMC Physical Education Credit—1/2 credit
Level: 10, 11, 12
Prerequisite: None

This course is designed to develop and improve strength, agility, power and overall athleticism through plyometrics, explosiveness, weight lifting, conditioning, and sport specific skill work for Boys' Interscholastic Sports offered at Coloma High School.
Course structure:
- 33% of class time is spent on sports specific skills and concepts
- 30-50% of class time is spent on strength training
- 20-40% of class time is spent on conditioning, flexibility, agility, explosiveness training or a different skill for the multi-sport athlete.

SCIENCE DEPARTMENT

BIOLOGY
MMC Science Credit
Level: 10
Prerequisite: None

Biology is the science of life itself. This course strives to make connections between the classroom and everyday life. Classes are structured for frequent lab activities and technology is an integral part of the learning experience. Topics studied include: the nature of science, ecology, cell biology, heredity, evolution, taxonomy, and frog dissection. Successful completion of Biology is a graduation requirement.

ADVANCED BIOLOGY
Level: 11, 12
Prerequisite: B average or higher in Biology

This course is designed for college-bound students and those interested in Health and Human Services career pathway. Advanced Biology is a lab-oriented class that offers more specialized biological concepts that what is presented in beginning Biology. Emphasis is placed on laboratory technique, creative and critical thinking, problem solving, vertebrate, and demonstrating high quality work. The curriculum for this course is flexible and is subject to change as the students' academic goals are taken into consideration. Topics include: botany, entomology, microbiology, microtechnique, and embryology.

COMPARATIVE ANATOMY
Prerequisite: Have a B or better in Biology

Comparative Vertebrate Anatomy is designed for students interested in careers in the biological or medical fields. The class is lab oriented in that nine animals are dissected including: bullfrog, lancelet, nectarous, perch, pigeon, rat, sea lamprey, shark, and turtle. The body systems of each organism are dissected, sketched, labeled and learned. The tests are either pin tests where morphological features are named and the physiological functions given, or are oral exams between the teacher and student. Emphasis will be placed on the comparisons between each organism as we progress from the simple structures to the more complex.

HUMAN ANATOMY (1 trimester)
Level: 11, 12
Prerequisite: B or better in Biology

This course is designed for the student who has taken biology and is interested in:
1. Biology or the medical field as a career

2. The study of human organ systems and how they are interrelated.
3. Preparing themselves for biological science that may be required at the college level

Students who typically take this course have a Career Pathway of Health Services or Human Services (professional or technical)**.**

The content focus will be on 11 human organ systems. To aid the student in understanding the systems a detailed dissection of a fetal pig will be required. In addition, there will be projects designed to allow students to further explore their own interests.

ZOOLOGY (1 trimester)
Level: 11, 12
Prerequisite: B or better in Biology

This course is designed for the student who is interested in Biology as a career, or is preparing themselves for biological science that may be required at the college level. Students who typically take this course follow the Natural Resource and Agriscience, or the Health Services career pathways.

Objectives of this course are:
1. To learn the taxonomy of invertebrates.
2. To learn the structure of representative invertebrates.
3. To learn to sample and identify invertebrates in the lab and field.
4. To understand the relationships between invertebrates and their environment.
5. To explore the evolutionary relationships among the invertebrates.

PHYSICS ESSENTIALS
MMC Science Credit
Level: 10, 11, 12
Prerequisite: None

This course provides a broad view of physics with limited mathematics. Topics include motion, forces, fluids, work, energy, heat, sound, light, electricity and magnetism. Students understand the scientific laws and concepts that control many of the practical applications they encounter daily. Students create and revise hypothesis based on observed data. Strategies for problem solving, predicting and reasoning are emphasized throughout this course.

CHEMISTRY
MMC Science Credit
Level: 11, 12
Prerequisite: (or current) Algebra II and Geometry with a grade of B or better.

The subject matter is organized in a logical, workable sequence. Descriptive and theoretical topics are alternated with an extensive laboratory program. Students spend at least one day a week in lab. Areas to be examined include the science and organization of chemistry, formulas and equations, phases of matter, solutions, oxidation-reduction, equilibrium and kinetics, and organic chemistry. A strong mathematics background is essential. The students should have already completed Geometry. Ideally, the student will be pursuing Chemistry and Algebra II concurrently. An understanding of Chemistry is necessary for those considering careers in science, engineering, mathematics, law, business, electronics, technology or any of the numerous health fields.

PHYSICS
MMC Science Credit
Level: 11, 12
Prerequisite: Pre-Calculus and approval of teacher

Physics is the science of matter and energy. It is fundamental to all other sciences. Topics to be examined include, heat, force and motion, work and energy, wave motion, and electricity and magnetism. There is a great deal of mathematics in the course; therefore, it is necessary that students have completed Advanced Biology with a grade of B or better. An understanding of physics is recommended for those considering careers in science, engineering, business, law, electronics, technology, or any of the health fields.

SOCIAL STUDIES DEPARTMENT

CIVICS (1 trimester)
MMC Social Studies Credit
Level: 10, 11
Prerequisite: World History A & B, U.S. History A & B

This course concentrates on the role of the national, state, and local governments in the federal system of government. The U.S. Constitution and the rights and responsibilities of citizens are emphasized. This course gives students the knowledge to become active participants in the American political system.

ECONOMICS (1 trimester)
MMC Social Studies Credit
Level: 10, 11
Prerequisite: World History A & B, U.S. History A & B

Students who meet the expectations of this course will develop their economic literacy which has become essential to functioning as a contributing member of society. They will be able to apply the principles and concepts of economics to the decisions they make involving their daily lives and households, a business context, and public policy.
The course will focus on four content areas: microeconomics; macroeconomics; international economics; and personal finance.

U.S. HISTORY/GEOGRAPHY
MMC Social Studies Credit
Level: 10
Prerequisite: None

U.S History A is a comprehensive study of the development of the United States beginning with the industrialization and urban growth of modern America. Areas of study will include Imperialism and Progressivism; Economic Boom and Bust; And Global Struggles up to America's entry into World War II.

U.S. History B continues the study of the United States begun in U.S. History A. Starting with our involvement in World War II, the Cold War and Post War America, the course will examine periods of social and political upheaval from the mid-point of the 20th century through today. America's changing society from the 60's to today will be covered through the study of The Viet Nam War, Watergate, Conservative resurgence, end of the Cold War, the Technological Revolution, and beginning of the War on Terrorism.

WORLD HISTORY/GEOGRAPHY
MMC Social Studies Credit
Level: 10, 11, 12
Prerequisite: None

Understanding the antecedents of today's modern world gives the student an historic framework to draw upon when evaluating current events. World History emphasizes the political, economic, social, and religious development of the world's civilizations from the early fertile crescent through the medieval period. The second part of World History is to provide students with an historical perspective from which they may better evaluate and understand the modern world. Students will learn the origins of modern nation-states, identifying the effect on these of such movements as the Enlightenment, Reformation, and Renaissance. The effects of industrialization will be studied from national and international viewpoint, showing the relationship between a country's economic and foreign relations policies. An understanding of the interrelationship between cultures will be developed.

PSYCHOLOGY (1 trimester)
Level: 11, 12
Prerequisite: none

Psychology is a survey course which will introduce students to topics such as life stages, social development, learning and memory, motivation, personality, and stress and adjustment.

SOCIAL LAW (1 trimester)
Level: 10, 11, 12
Prerequisite: none

This course provides students with a practical understanding of law and the legal system that will be of use in their everyday lives. An examination of the criminal justice system takes students through what constitutes criminal activity, the investigation, adjudication, and penalty for committing the crime. Consideration is given to alternative theories of punishment and rehabilitation. Civil law and litigation as a method of conflict resolution will be examined. Right, responsibilities and dispute resolution will also be studied in areas such as consumer, housing, and family law.

SOCIOLOGY (1 trimester)
Level: 11, 12
Prerequisite: none

This survey course will introduce students to the concept of sociological imagination and the identification of three major theoretical perspectives common today. The major areas of study include: Culture and social structure and their influence on the individual; Deviance and social control; Social stratification and inequity; Social institutions and social change in America.

WORLD LANGUAGE

SPANISH I
Level: 8, 9, 10, 11, 12
Prerequisite: Recommendation of language arts teacher

This course is an introduction to the Spanish language. The main emphasis of Spanish I will be on vocabulary building with some concentration on geography, grammar, culture, music, and cuisine. Ultimately, students in Spanish I will be working towards fluency of the language by practicing their spoken, written,

listening, and reading skills throughout the entire year. The students shall also practice diversity through learning to recognize, understand, and appreciate different global communities.

SPANISH II
Level: 9, 10, 11, 12
Prerequisite: A "C" average or better in Spanish I

This course is a continuation of Spanish and be used to fulfill part of the state mandated foreign language credits needed to graduate from high school. Vocabulary building will continue with more of a concerted effort placed on grammar. Extensive verb conjugations will be taught and new verb tenses will be introduced to the student throughout the year. Each student will continue working toward the goal of becoming fluent in the language by practicing their written, spoken, reading, and listening during the year. Videos, projects, and cultural units will be used to enrich the students' understanding of the Hispanic world as well as the text.

SPANISH III & IV
Level: 10, 11, 12
Prerequisite: Spanish II – C or better in Spanish II and approval of teacher

This course is a continuation of Spanish and can be used to fulfill part of the state mandated foreign language credits needed to graduate from high school. Vocabulary building will continue with more of a concerted effort placed on grammar. Extensive verb conjugations will be taught and several new verb tenses will be introduced to the student throughout the year. Each student will continue working toward the goal of becoming fluent in the language by practicing their written, spoken, reading, and listening during the year. A large emphasis will be placed on literature and the arts of the Spanish speaking world as well as greatly improving the student's speaking and listening skills.

Name:_____ Career Major _____ Class of_____

PERSONAL SCHOOL PLAN

GRADE 9	GRADE 10	GRADE 11	GRADE 12
Courses	Courses	Courses	Courses
1.	1.	1.	1.
2nd trimester	2nd trimester	2nd trimester	2nd trimester
3rd trimester	3rd trimester	3rd trimester	3rd trimester
2.	2.	2.	2.
2nd trimester	2nd trimester	2nd trimester	2nd trimester
3rd trimester	3rd trimester	3rd trimester	3rd trimester
3.	3.	3.	3.
2nd trimester	2nd trimester	2nd trimester	2nd trimester
3rd trimester	3rd trimester	3rd trimester	3rd trimester
4.	4.	4.	4.
2nd trimester	2nd trimester	2nd trimester	2nd trimester
3rd trimester	3rd trimester	3rd trimester	3rd trimester
5.	5.	5.	5.
2nd trimester	2nd trimester	2nd trimester	2nd trimester
3rd trimester	3rd trimester	3rd trimester	3rd trimester