

MARION HIGH SCHOOL

2018-2019

Course Description Book



The Course Description Book is designed to help students and parents plan their programs of study from the variety of courses offered at Marion High School. Students should plan their high school programs with the help of their parents, counselors, and teachers. This booklet provides information about graduation requirements, scheduling, and other areas of interest. Each course is listed with the grade level, prerequisites and course description. This booklet is intended to assist students in making educational decisions about their high school programs. Courses in this booklet will be offered as described contingent upon budget restraints, student interest, curriculum changes and faculty availability.

WILDCATS

Principal: Joey Ohnesorge
Vice Principal: Nate Addison
Assistant Principal/Athletic Director: Ryan Goodisky
Dean of Students: Darrel Wimberly

GUIDANCE DEPARTMENT

Guidance Phone: 993-8196 ext. 506

Counselors:	Toby Misner	ext. 486	Director
	Hassi Loucks	ext. 484	(A-GO)
	Michele Tate	ext. 485	(GR-N)
	Bart Sinks	ext. 487	(O-Z)

GRADUATION REQUIREMENTS

ENGLISH	4 Credits	Freshman, Sophomore, Junior, Senior year
MATH *	3 Credits	Freshman, Sophomore Junior year
SCIENCE	2 Credits	Freshman, Sophomore
HEALTH	1/2 Credit	Freshman year
GLOBAL STUDIES	1 Credit	Sophomore year
AMERICAN HISTORY	1 Credit	Junior year
CIVICS	1/2 Credit	Senior year
CONSUMER ECONOMICS**	1/2 Credit	Junior year
PHYSICAL EDUCATION	Enrollment required	Yearly enrollment is required
ELECTIVES	to equal 27 credits	

*3 years of Math must include Algebra and Geometry.

**Consumer Economics may be waived by successfully completing Business Concepts 1 & 2.

**INFORMATION IN THIS COURSE DESCRIPTION BOOK ARE SUBJECT TO CHANGE AS
THE NEEDS OF OUR STUDENTS ARE DETERMINED**

Impact of Weighted Grades on Student GPA

When selecting a course of study, it is important to consider the impact of weighted and non-weighted courses on overall grade point average. While we realize the impossibility of predicting a student's future academic performance, one might want to consider the student's potential of earning a grade point average above 4.0 prior to enrolling in the following: summer school courses, Athletic PE, Marching Band PE. As an example, the following should be considered:

If a student earns a grade point average above 4.0 due to taking one or more weighted courses; any non-weighted course taken beyond the standard seven period day during the student's four years at MHS, could reduce the student's overall cumulative grade point average. This scenario applies even if the student earns a grade of "A". Additional courses that could fall in this category are typically taken during the summer school session or associated with a PE waiver as discussed later in this publication. While we understand this potential pitfall of the weighted grade process, we believe the academic benefit students receive from weighted grades far outweighs any negative factors associated with the process.

If you have any questions in regard to weighted grades, please call Toby Misner, Director of Guidance, at ext. 486, or, Principal, Joey Ohnesorge, at ext. 224.

Weighted Grades Policy

A student's overall GPA can be above a 4.0 based on the number of weighted courses they take. Weighted courses receive additional quality points of either 0.5 or 1.0 depending on the course's "weight." A student's class rank will be based on grade point average. Quality points are as follows:

Grade	Regular	0.5 Weight	1.0 Weight
A	4.0	4.5	5.0
B	3.0	3.5	4.0
C	2.0	2.5	3.0
D	1.0	N/A	N/A
F	0.0		

The following courses will receive additional weight:

Honors English I (0.5)	Physics (1.0)
Honors English II (0.5)	AP World History (1.0)
Honors English III (0.5)	AP American History (1.0)
AP Language & Comp. (1.0)	Spanish 3 (0.5)
Honors Geometry (0.5)	Spanish 4 (1.0)
Honors Algebra 2 (0.5)	Latin 3 (0.5)
Pre-Calculus (0.5)	Latin 4 (1.0)
AP Calculus (1.0)	AP Art (1.0)
AP Statistics (1.0)	AP Microeconomics (1.0)
AP Chemistry (1.0)	AP Macroeconomics (1.0)
AP Biology (1.0)	Accounting 2 (1.0)

MARCHING WILDCAT BAND P.E. CREDIT

Participants in Marching Wildcat Band during the **Freshman through Senior year** will have the option of taking a P.E. class OR receive P.E. credit for participating in Marching Band. Credit for P.E. can be earned only during the fall semester when the Marching Band is active. Failure to complete the season constitutes a failure grade (grade of F) in Marching Band P.E. The prerequisite for enrollment in Marching Band P.E. is participation in the Marching Band during the previous school year.

VOLUNTEER WORK CREDIT

Students may earn one credit toward graduation for community service work. A student must submit the required application form, available from the guidance counselor, to the principal **in advance of the planned service work**. The request must include parental approval, approval from the cooperating agency official, a list of planned activities, and a proposed timeline for completion. Community service work performed as part of a course assignment, disciplinary measure, or as a paid position is not eligible. Students receive credit but no grade for community service. (75 hours = .5 credit; 150 hours= 1 credit)

EARNING ADDITIONAL GRADUATION CREDITS

The intent of allowing students to earn additional graduation credits is to make up credits that have been failed or to allow a student to earn additional credits for early graduation. Students may earn additional credits in three ways: John A. Logan College course work, community service (approved site), or the American School. **A maximum of two credits may be earned in this manner**. Students taking required courses through alternative or correspondence courses must have attempted the course at Marion High School and failed the course. All courses taken for graduation credit must have the approval of the guidance counselor and the principal **prior to taking the course**.

SCHEDULE CHANGES

Students and parents are encouraged to give time, thought, and attention to the selection of courses each year. Students are encouraged to make necessary schedule changes during the summer or the week prior to the start of school. **All schedule changes must be made before the first day of school**. If a student requests a schedule change after the start of the semester, the request will be denied unless unusual circumstances dictate that the change be made in the interest of the student's health or safety. No full year class may be changed at the semester unless the student is earning a D or an F. **No schedule changes will be made to change a student's lunch hour or to change teachers!**

ADVANCED PLACEMENT COURSES

The Advanced Placement (AP) Program sponsored by the College Board and administered by the Educational Testing Service, offers high school students the opportunity to participate in challenging college-level course work while still in high school. Students can receive college credit, advanced placement, or both from thousands of colleges and universities that participate in the AP program. The AP examinations are administered each May. AP classes are offered in: Biology, Chemistry, Language & Composition, Calculus, Statistics, American History, World History, Microeconomics, Macroeconomics and Studio Art.

SUMMER SCHOOL

Summer school courses are offered in the basic subjects which include: Global Studies, American History, Civics, Consumer Economics, Remedial English, Remedial Algebra I, Health and Driver Education. Summer school registration will be in guidance the week of February 5th through 9th. **Courses will be filled on a first-come, first-served basis. Students must have full payment at time of sign up. You may see any counselor to register. Forms will be available in guidance starting January 29th.** Course sizes are limited. Payment in full is required to sign up for a summer school class. Cost is \$100 per semester.

NCAA SCHOLARSHIPS

The National Collegiate Athletic Association has set specific course patterns, number of core courses, grade point averages and ACT/SAT scores in order to be eligible for a Division I or Division II athletic scholarship. At the end of the Junior year the students should register with the NCAA Clearinghouse. Students are encouraged to register on-line. POTENTIAL COLLEGE ATHLETES AND PARENTS SHOULD PLAN ON MEETING WITH THEIR STUDENT'S COUNSELOR AS EARLY AS POSSIBLE TO ENSURE THE PROPER COURSES ARE SELECTED FOR COMPLIANCE WITH THE NCAA ELIGIBILITY STANDARDS. Courses at Marion High School designated as "NCAA Core Courses" are clearly marked in this course description book. All questions should be directed to the student's guidance counselor.

COLLEGE PREPARATION

Because colleges and universities have a good deal of freedom to set admission standards (which include test scores, class rank, high school course patterns, and grades) for their particular school, admission standards can vary widely from school to school. Often several different admission standards exist within a single university or college, depending on the major the student wishes to study. Because of this, it is virtually impossible to develop a course of study in high school which is guaranteed to meet admission requirements for every college or university nationwide. STUDENTS INTERESTED IN ATTENDING A PARTICULAR FOUR YEAR COLLEGE OR UNIVERSITY SHOULD CHECK WITH THEIR GUIDANCE COUNSELOR FOR SPECIFIC ADMISSION POLICIES.

BASIC COLLEGE PREPARATION: It is possible, however, to recommend a pattern of high school courses which should meet the entrance requirements at most colleges and universities. In general, any student who plans on working toward a four year college degree is strongly urged to have the following high school course pattern. This is the required course pattern for admission to Illinois public universities:

- 4 years of English
- 3 years of Social Studies
- 3 years of Math (Algebra 1 and higher)
- 3 years of Science
- 2 years of Foreign Language (Certain Universities will also take Fine Arts Credits instead of Foreign Language)

Students enrolling in one and two year technical programs at Community Colleges are not affected by these requirements. Private colleges and universities in Illinois and out-of-state schools will have their own specific entrance requirements.

FAILURE TO MEET AN ADMISSION PATTERN

Depending upon the individual college or university, students who do not meet the high school course pattern requirements might still be admitted on a provisional basis. These students may be required to take non credit courses in college in order to meet the course pattern requirement.

JOHN A. LOGAN COLLEGE DUAL CREDIT CLASSES

For all dual credit classes, all students in the class must meet college entrance requirements.

**PLANNING YOUR FOUR YEAR
HIGH SCHOOL PROGRAM**

FRESHMAN YEAR

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____

SOPHOMORE YEAR

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____

JUNIOR YEAR

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____

SENIOR YEAR

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____

*BTW (Driver's Education) is assigned by birth date, with oldest students driving first. Illinois law requires that a student must pass eight classes the previous two semesters before taking Driver's Education.

Attn: FRESHMEN – If you will be 15 years old before 10/12/18, sign up for 1st semester PE/BTW. If you will be 15 between 10/13/18 and 03/08/19, sign up for 2nd semester PE/BTW.

COURSE OFFERINGS

<p>ENGLISH (Pg. 10) English 1 English 2 English 3 English 4 Honors English 1 Honors English 2 Honors English 3 Advanced Placement Language & Composition Mythology & Folklore Oral Communications 1 English Enrichment Creative Writing Technical Writing</p> <p>WORLD LANGUAGES (Pg. 12) Spanish 1,2,3,4 Latin 1,2,3,4 Classical Greek and Roman Texts Rhetoric & Debate</p> <p>MATHEMATICS (Pg. 14) Algebra 1 Geometry Honors Geometry Algebra 2 Honors Algebra 2 Advanced Placement Statistics Algebra 2 Prep Pre-Calculus Advanced Placement Calculus Mathematical Connections COLLEGE ALGEBRA</p> <p>SOCIAL STUDIES (Pg. 16) Global Studies American History Advanced Placement American History Civics Sociology Psychology Advanced Placement World History Advanced Placement Microeconomics</p>	<p>SCIENCE (Pg. 18) Physical Science Environmental Science Biology Advanced Placement Biology Anatomy & Physiology Principles of Technology I Chemistry Advanced Placement Chemistry Physics Bio Science & Ag Applications Astronomy Lab Science (Forensic Science) Animal Science/Pre- Vet Studies</p> <p>BUSINESS (Pg. 21) Digital Citizenship Business Concepts 1 & 2 Medical Terminology Computer Concepts Advanced Computer Concepts Introduction to Careers in Business Introduction to Multimedia Advanced Multimedia Introduction to Keyboarding & Computer Applications Mobile Application Development Web Site Development & Technology Applications Advanced Web Site Development Beginning Programming and Game Design Accounting 1 Accounting 2 Accounting 3 Marketing & Business Ownership Advanced Marketing & Business Ownership Cooperative Career & Technical Education (CCTE) Investments Investments 2 Computer Maintenance Sports and Entertainment Business Advanced Placement Microeconomics Principles of Management Digital Communication Broadcast Technology C.A.T.S.</p>
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FINE ARTS (Pg. 27)

Art 1,2,3,4
 Art Through The Ages
 Three Dimensional Art
 Commercial Art 1&2
 Beginning Digital Graphics
 Beginning Photography
 Photography 2
 Advanced Placement Studio Art

CAREER/TECHNICAL (Pg. 31)

Consumer Economics
 Auto Mechanics 1
 Transportation/Auto Tech 1 & 2
 Introduction to Car Care & Maintenance
 Introduction to Agriculture Industry
 Animal Science/Pre- Vet Studies
 Agricultural Mechanics and Technology
 Biological Science & Ag Application
 Landscaping & Turf Mgmt 1 & 2
 Drafting 1, 2
 Computer Aided Drafting 1&2
 Introduction to Construction
 Carpentry 1
 Building Trades 1 & 2
 Electricity
 Welding 1 & 2
 Manufacturing 1 & 2(at Herrin H.S.)
 Orientation to Health Careers
 Health Science Careers
 Certified Nursing Assistant
 LIFE 1
 Adult Living
 Parenting
 Child Development
 Child & Day Care Services 1 & 2
 Clothing & Textiles 1 & 2
 Fashion Merchandising 1
 Food & Nutrition 1 & 2
 Pro-Start Food Services 1 & 2
 Fire Science

Musical Fine Arts (Pg. 30)

Concert Choir
 Women's Choir
 Jazz Choir
 Band

HEALTH/DRIVER EDUCATION (Pg. 40)

Health
 Driver Education

PHYSICAL EDUCATION (Pg. 40)

Lifelong Fitness 9/10
 Lifelong Fitness 11/12
 Varsity Fitness P.E /Weight Training

ADDITIONAL ELECTIVES (Pg. 42)

Yearbook Production 1
 Media Resources
 Office Occupations
 ROTC 1-4

SPECIAL EDUCATION CLASSES (Pg. 40)***DUAL CREDIT COURSES**

Spanish 3&4
 Anatomy
 Accounting 1, 2, 3
 Advanced Computer Concepts
 Cooperative Career & Technical Education
 Medical Terminology
 Certified Nursing Assistant
 Child & Day Care Services 1&2
 Transportation and Auto Tech 1 & 2
 Computer Aided Drafting 1 & 2
 AP Language & Composition
 Welding 1 & 2
 Technical Writing
 Fire Science
 Pro-Start 1 & 2
 College Algebra
 Principles of Management

RTI INTERVENTION COURSES

111 ENGLISH ENRICHMENT – (1 credit; one year) 9

Prerequisite: Recommendation

This course will teach students to become active, strategic readers by improving comprehension, vocabulary, reading speed, as well as working on nonfiction reading, written expression, test taking, and note taking skills. Students will be engaged in real-world text selections utilizing verbal and written skills. This course is designed for the hard-working, yet academically challenged student desiring success. 01068A000

Students may be eligible to exit course at the semester provided they have successfully met all exit criteria.

172 Math Enrichment - (1 credit; one year) 9

Prerequisite: Recommendation

This course will help build and reinforce the necessary skills to be successful in Algebra 1 and other high school math courses. It is designed to strengthen and further engage students in the skills being taught in the high school mathematics course which they are concurrently enrolled.

Students may be eligible to exit course at the semester provided they have successfully met all exit criteria.

ENGLISH

Students and parents are encouraged to give time, thought, and attention to the selection of courses each year. Students are encouraged to make necessary schedule changes during the summer or the week prior to the start of school. All schedule changes must be made before the first day of school. If a student requests a schedule change after the start of the semester, the request will be denied unless unusual circumstances dictate that the change be made in the interest of the student's health or safety. No full year class may be changed at the semester unless the student is earning a D or an F. **No schedule changes will be made to change a student's lunch hour or to change teachers!**

Four years of English are required for graduation. English I, English II, English III, and English IV are taken in the freshman, sophomore, junior, and senior years. Juniors and seniors may choose from a variety of electives to be taken in conjunction with English III and English IV. All English classes are writing intensive.

HONORS ENGLISH APPLICATION PROCESS: Applications for Honors English will be accepted from **ANY** interested student in the spring of each school year. Students who have demonstrated academic strengths in the language arts are encouraged to apply for entry into Honors English for the following year. Students will submit a portfolio of **ALL** of their writing from the previous year, which needs to include unrevised writing, literary analysis, creative writing, and timed writing. This portfolio, along with teacher recommendation, will be submitted to the department's selection committee. The committee will consider portfolios (with the above listed writing) and recommendations in making final decisions for placement. Students must maintain an A or B average in order to remain in the program and must re-apply each year.

100 ENGLISH I – (1 credit; one year) 9 (NCAA Core)

Freshman literature is an introduction to the high school English program. It bridges the gap between eighth grade "reading" and high school "literature," a step students often find difficult to make. In English I students must learn to read in depth. Students will also be expected to write

more objective, academic themes. M.L.A. documentation will be introduced. Critical thinking and writing as a process will be emphasized. 01001A000

101 HONORS ENGLISH I – (1 credit; one year) 9 (0.5 weight) (NCAA Core)

Prerequisite: Honors Application Process; Department Consent

This advanced course will cover the material in English I in addition to challenging the student at an advanced level. Students will be required to complete a greater number of assignments, such as required summer reading and additional homework and projects. 01001A000

103 ENGLISH II – (1 credit; one year) 10 (NCAA Core)

The course structure involves a thematic approach to the study of literary forms and techniques in World Literature. Composition skills will be developed through the ongoing exploration of the writing process. All English II students will complete a research paper. 01002A000

104 HONORS ENGLISH II – (1 credit; one year) (0.5 weight) 10 (NCAA Core)

Prerequisite: Honors Application Process; Department Consent

This advanced curriculum will expand upon the material required in English II. The course will require summer reading, out of class projects, and a more intensive writing regimen. Students will be introduced to the Socratic Method as means to develop speaking and listening skills. 01002A000

105 ENGLISH III – (1 credit; one year) 11 (NCAA Core)

The course will present the chronological development of American literature from the Native American period to the Contemporaries. Short stories, poetry, essays, and novels in fiction and nonfiction will be studied. Discussion will follow each reading. Preparation for the SAT will also be a focus of this course. This course will be writing intensive with a variety of writing assignments utilizing research and/or analytical thought. 01003A000

133 HONORS ENGLISH III – (1 credit; one year) 11 (0.5 weight) (NCAA Core)

Prerequisite: Honors Application Process; Department Consent

Designed for the serious student of literature, this class will work in conjunction with the AP Literature course to prepare college bound students for the rigors of college coursework as well as the AP English test. This year-long course focuses on the progression of American literature through a variety of genres. Students will be expected to complete summer reading. Students will produce a variety of written work as well as being introduced to the AP writing format. 01003A000

225 ENGLISH IV—(1 credit; one year) 12 (NCAA Core)

This college-preparatory course will be a year-long class. It will present various types of literature representing diverse ethnicities and cultures. Short stories, poetry, essays, and novels in fiction and nonfiction will be studied. This course will also prepare the students to write effectively for any purpose. Content, structure, style, and the mechanics of writing will be emphasized. The complete composition will be studied, and the focus throughout the year will be the writing process. MLA documentation and style will be reinforced. Evaluation will be on the basis of selected writings. A variety of papers, including a research paper, will be required. 01102A000

***130 ADVANCED PLACEMENT LANGUAGE AND COMPOSITION**— (1 credit; one year) 12 (NCAA Core) (JALC Dual Credit 101/102)

(Prior participation in the Honors English program is NOT required.)

Students must have a qualifying score on one of the following three tests: ACT (20 or higher on the Reading and English tests), SAT (current score requirement undetermined) , or a qualifying

score through the ACCUPLACER test at JALC. Designed for the college bound student, this course prepares students for effective and confident college writing. Students will examine rhetoric and argument by reading wide variety of primarily nonfiction texts, analyzing visual media, honing college-level research skills, and writing for a variety of purposes. Students who pass this test may earn college credit. Summer reading and writing may be required. Students can earn dual credit at JALC or other participating institutions. 01005A000

151 MYTHOLOGY AND FOLKLORE-(1/2 credit; one semester) 9, 10, 11, 12 (NCAA Core)
Designed for the college bound student, this course will primarily focus on ancient Greek and Roman mythology. Multicultural folklore will supplement and extend the student's understanding of mythology. Students will write compositions as well as creative pieces. 01061A000

115 ORAL COMMUNICATION– (.5 credit, 1 sem.) 10, 11,12 (NCAA Core)
Designed for the college bound student, this course combines communication theory with the practice of oral communication skills. This course: (1) develops awareness of the communication process; (2) provides inventional, organizational, and expressive strategies; (3) promotes understanding of an adaptation to a variety of communication contexts; and (4) emphasizes critical skills in listening, reading, thinking, and speaking. Students are expected to prepare and give at least three substantial speeches, including both informative and persuasive speech assignments. All classes require face-to-face performance of the three substantial speeches with the class and the instructor serving as an in-class audience. 01151A000

113 CREATIVE WRITING – (.5 credit; one semester) 11, 12 (NCAA Core)
This is designed for the student who has shown evidence of proficiency in previous English courses or who has a special creative ability. This course will allow the student the opportunity to use imagination in many different types of writing, including journal writing, play, short stories, song lyrics, and poetry. Class feed-back will supplement the critiques of the teacher.
01104A000

226 TECHNICAL WRITING – (.5 credit; one semester) 11, 12
Technical Writing is a composition course especially for engineering, science, social science, and vocational-technical students. Encompassing many different approaches to solving specific communication problems and emphasizing critical thinking skills, this course covers the written communication required in a job situation in the technical fields. This course satisfies one semester of MHS' four year English requirement. Students will receive 3 college credits for this dual credit class ENG 113.

WORLD LANGUAGE

Students and parents are encouraged to give time, thought, and attention to the selection of courses each year. Students are encouraged to make necessary schedule changes during the summer or the week prior to the start of school. All schedule changes must be made before the first day of school. If a student requests a schedule change after the start of the semester, the request will be denied unless unusual circumstances dictate that the change be made in the interest of the student's health or safety. No full year class may be changed at the semester unless the student is earning a D or an F. **No schedule changes will be made to change a student's lunch hour or to change teachers!**

Four years of Spanish and Latin are offered. Students who complete two, three, or four years of a foreign language in high school may be exempt from taking a foreign language in college (this will depend on the college major). There are a number of career opportunities available for

students who are familiar with a second or third language. Through the use of the internet, DVD's, music, games, and the regular text, students may learn not only the language, but also have a better understanding of the culture of another country. Students entering high school with prior language instruction can be tested for placement in second year (or higher) classes as is appropriate to their level of competence. Independent study coursework is only available to Spanish IV Students.

135 SPANISH I - (1 credit; one year) 9, 10, 11, 12 (NCAA Core)

Prerequisite: Student should have at least a C average in English

The student learns the basic grammar and vocabulary necessary to discuss, in the foreign language, everyday matters of interest such as the weather, likes/dislikes, and describing people and places. Some other cultural materials are read in English. 06101A000

136 SPANISH II - (1 credit; one year) 10, 11, 12(NCAA Core)

Prerequisite: Students should have at least a C average during second semester in Span. I

The student will continue to develop listening, speaking, reading and writing skills in the language, as well as cultural understanding and some historical knowledge about Spanish speaking countries. 06102A000

***137 SPANISH III** - (1 credit; one year) (0.5 weight) 11, 12 (NCAA Core)

Prerequisite: Students should have at least a B average during the second semester in Spanish II or consent of instructor (JALC Dual Credit Course)

There will be a review of grammar, as well as an introduction to more complex grammatical study. The course includes an advanced study of brief passages by distinguished authors and further historical and cultural study. 06103A000

***138 SPANISH IV** - (1 credit; one year)(1.0 weight)12 (NCAA Core) 06104A000

Prerequisite: Students should have at least a B average during the second semester in Spanish III or consent of instructor. (JALC Dual Credit Course)

This is a continuation of the previous course, offering further practice in listening, speaking, reading and writing their skills through interaction with a wide variety of authentic media.

146 LATIN I-(1 credit; one year) 9, 10, 11, 12 (NCAA Core)

Prerequisite: Students should have at least a C average in English

Students learn the basic grammar and vocabulary necessary to read simple texts and compose in the language. Emphasis will be placed on the structure of language and expansion of English Vocabulary in conjunction with the acquisition of Latin words. Students will also study the history and customs of the Roman people and learn about their impact on the modern world. 06301A000

147 LATIN II - (1 credit; one year) 10, 11, 12 (NCAA Core)

Prerequisite: Students should have a least a C average second semester in Latin I

Students will continue their study of grammar and vocabulary and will read more advanced texts. They will prepare compositions using more advanced structures and will continue their study of Roman History and culture. 06302A000

148 LATIN III- (1 credit; one year)(0.5 weight) 11, 12 (NCAA Core)

Prerequisite: Students should have at least a B average in Latin II or consent of instructor

Students will study the complexities of subjunctive, passive periphrastic, gerund and gerundive constructions. The reading will approach authentic texts, and the writing assignments will reflect a higher level of rhetoric. Students will examine the political world of Romans as the Republic disintegrates into the Empire. 06303A000

149 LATIN IV - (1 credit; one year)(1.0 weight) 12 (NCAA Core)

Prerequisite: Students should have at least a B average in Latin III or consent of instructor
Students will read authentic texts from Cicero, Caesar, Catullus, Virgil, Livy and Ovid. The course will also include grammar and vocabulary study centered around student compositions in Latin and historical and biographical study of periods and authors under discussion. 06304A000

131 CLASSICAL GREEK AND ROMAN TEXTS - (0.5 credit; one semester) 11,12 (NCAA Core)

Prerequisite: Student should have at least a B average in English; & Mythology and Folklore
Students will read translations of texts by important Greek and Roman authors. There will be a strong emphasis on the historical and philosophical elements of these writings and their impact on modern culture. Students will select one ancient author not covered by the course for a research project and report their findings to the class.

134 RHETORIC AND DEBATE - (0.5 credit; one semester) 10, 11,12 (NCAA Core)

Prerequisites: Student should have at least a B average in English
Students will practice rhetorical skills and consider topics of world relevance. They will, individually or in groups, engage in classroom debates that consider the merits of solutions to real problems and ethical questions.

MATHEMATICS

Students and parents are encouraged to give time, thought, and attention to the selection of courses each year. Students are encouraged to make necessary schedule changes during the summer or the week prior to the start of school. All schedule changes must be made before the first day of school. If a student requests a schedule change after the start of the semester, the request will be denied unless unusual circumstances dictate that the change be made in the interest of the student's health or safety. No full year class may be changed at the semester unless the student is earning a D or an F. **No schedule changes will be made to change a student's lunch hour or to change teachers!**

Three (3) credits in mathematics, including Algebra and Geometry, are required for graduation. **For the following courses, Algebra 2, Pre Calculus, Statistics and AP Calculus, it is Highly recommended to have a TI 83, 83+, 84 or 84+ calculator.**

Suggested Sequences for Math

Possible Courses for 9th Grade	Possible Courses for 10th Grade	Possible Courses for 11th Grade	Possible Courses for 12th Grade
Algebra 1	Geometry Honors Geometry	Algebra 2 Honors Algebra 2	Pre Calculus Statistics College Algebra
Honors Geometry	Algebra 2 Honors Algebra 2	Pre Calculus AP Statistics	AP Calculus AP Statistics Pre Calculus

154 ALGEBRA 1 - (1 credit; one year) 9, 10, 11, 12 (NCAA Core)

Algebra 1 is a full year class that involves the introduction of small segments of Algebra with assignments emphasizing applications. Connections to real life situations are used as often as possible. A scientific calculator is needed for this course. 02052A000

167 GEOMETRY - (1 credit; one year) 10, 11, 12 (NCAA Core) *Prerequisite: Algebra 1*
Geometry is the traditional "second year" class. The course focuses on the concepts of Euclidean Geometry. Topics include the study of lines, angles, polygons and their relationships. 02072A000

168 HONORS GEOMETRY - (1 credit; one year)(0.5 weight) 9,10 (NCAA Core)
Prerequisite: By teacher recommendation.
Honors Geometry is the more thorough and complete look at the classic second year material. The course focuses on the study of geometry through the use of proofs. The course concentrates on Euclidean geometry. Topics include the study of lines, angles, polygons and their relationships. 02072A000

155 ALGEBRA 2 - (1 credit; one year) 10, 11, 12 (NCAA Core) *Prerequisite: Geometry*
This course reviews previously studied topics such as algebraic expressions, linear equations and inequalities, functions and their graphs, linear systems, matrices, quadratic equations, polynomials, and rational equations. It introduces logarithms, conic sections, sequences and series, combination, permutation, and probability. A fairly extensive study of trigonometry is also included. 02056A000

159 HONORS ALGEBRA 2 – (1credit;one year) 10-11 (0.5 weight) (NCAA Core)
Prerequisite: Honors Geometry or Geometry with teacher recommendation
Honors Algebra 2 will focus on expanding the concepts and topics covered in the traditional Algebra 2. The course will also include topics that normally are not included in Algebra 2, such as trigonometric substitutions and advanced geometrical concepts, while spending less time on previously covered material. 02056A000

163 ALGEBRA 2 PREP: This course is only available by teacher recommendation. This course will cover material from second semester Algebra 1 and will introduce some of the topics from first semester Algebra 2. It has been designed to help students, bridge the gap, between Algebra 1 and Algebra 2. This is not a required, core, math course. While this class does meet Illinois graduation requirements it does not fulfill 4-year university Algebra 2 requirements or any NCAA eligibility requirements. 02058A000

162 ADVANCE PLACEMENT STATISTICS - (1 credit; one year) (1.0 weight) 11, 12 (NCAA Core)
Prerequisite: Algebra 2
The AP Statistics course is equivalent to a one-semester, introductory, non-calculus-based college course in statistics. The course introduces students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. There are four themes in the AP Statistics course: exploring data, sampling and experimentation, anticipating patterns, and statistical inference. Students use technology, investigations, problem solving, and writing as they build conceptual understanding. 02203A000

157 PRE-CALCULUS (1 credit; one year)(0.5 weight) 11, 12 (NCAA Core)
Prerequisite: Algebra 2
The traditional "fourth year" class preparing high school students for College Calculus. Emphasis is on reinforcing the concepts of functions (including polynomial, rational, exponential, logarithmic, and trigonometric functions), solving equations and inequalities, matrices and determinants, sequences and probability, and analytic geometry. Algebraic, graphical, and numerical methods will be used to develop these topics and associated applications. 02110A000

158 ADVANCED PLACEMENT CALCULUS (1 credit; one year)(1.0 weight) 12

Prerequisite: Pre-Calculus (NCAA Core)

A "fifth year" course for students who started high school in Geometry. The course is designed to prepare students for the Calculus AB-Level test of the College Boards Advanced Placement Program. Students successful on this test should receive college credit for Calculus 1 and be able to enter Calculus 2 as their first college course. Both the derivative and the integral are developed, with procedures and applications of each emphasized. Algebraic, graphical, and numerical methods will be used to develop standard topics of Calculus. 02124A000

171 MATHEMATICAL CONNECTIONS - (1 credit; one year) 12

Prerequisite: Teacher Recommendation

This course covers many relevant topics in mathematics including algebra, ratios and proportions, data analysis, geometry, probability, and number theory. Problem solving, decision making, number sense, mathematical reasoning, and mathematical communication will be addressed. This class meets Illinois state graduation requirements but DOES NOT fulfill 4-year university Algebra 2 requirements or any NCAA eligibility requirements.02055A000

173 COLLEGE ALGEBRA - (1 credit; one year) 12

Prerequisite: Algebra 2 **DUAL CREDIT WITH JOHN A. LOGAN COLLEGE PENDING APPROVAL**

MAT 108 is a general education mathematics course; however, it cannot be taken as the only mathematics course for the A. A. degree. College Algebra gives in-depth study of graphs of equations, functions, transformations, and polynomial and rational functions. Exponential and logarithmic functions, systems of equations and inequalities, matrices, and determinants are also covered. College Algebra requires a thorough understanding of Intermediate Algebra.

SOCIAL STUDIES

Students and parents are encouraged to give time, thought, and attention to the selection of courses each year. Students are encouraged to make necessary schedule changes during the summer or the week prior to the start of school. All schedule changes must be made before the first day of school. If a student requests a schedule change after the start of the semester, the request will be denied unless unusual circumstances dictate that the change be made in the interest of the student's health or safety. No full year class may be changed at the semester unless the student is earning a D or an F. **No schedule changes will be made to change a student's lunch hour or to change teachers!**

The following Social Studies courses are required for graduation from Marion High School: one year Global Studies, one year American History, one semester U.S. Government, and one semester (or equivalent) of Consumer Economics.

176 GLOBAL STUDIES - (1 credit; one year) 10 (NCAA Core)

This course is a survey of the geographical, economical, political and cultural aspects of regions and countries of the world. The first semester focuses on Europe, Southwest Asia, and Africa. The second semester focuses on South Asia, Asia, Micronesia, South and North America. Global Studies is a required course for all sophomores. 04061A000

178 AMERICAN HISTORY - (1 credit; one year) 11 (NCAA Core)

American History is a required course for all juniors. The class covers the history of the United States from the Revolutionary War to the present. Areas of discussion include the traditions and

institutions that have made the United States what it is today. Problems of the past and how they can be solved in the future are also discussed. 04101A000

179 ADVANCED PLACEMENT AMERICAN HISTORY - (1 credit; one year)
(1.0 weight) 11, 12 (NCAA Core)

A.P. American History is a challenging course that is meant to be the equivalent of a freshman college course and can earn students college credit by passing the Advanced Placement test. This survey of American History from the age of exploration and discovery to the present requires solid reading and writing skills along with a willingness to devote considerable time to homework and study. Emphasis is placed on critical and evaluative thinking skills, essay writing, and interpretation of original documents and historiography. 04104A000

180 CIVICS - (.5 credit; one semester) 12 (NCAA Core)

Civics courses examine the general structure and functions of American systems of government, the roles and responsibilities of citizens to participate in the political process, and the relationship of the individual to the law and legal system. This course further investigates the importance of historical and current events, patriotism, loyalty, and citizenship 04161A000

185 PSYCHOLOGY - (.5 credit; one semester) 11, 12 (NCAA Core)

Psychology encompasses the science of normal and abnormal behavior. The students will study the major areas of human behavior which include the science of psychology, physiology and behavior, states of consciousness, sleep, dreaming, memory, intelligence, motivation, emotion, personality, hypnosis and drugs, classical conditioning, operant and cognitive learning, abnormal behavior, therapies, health, stress and coping. 04254A000

184 SOCIOLOGY - (.5 credit; one semester) 11, 12 (NCAA Core)

Sociology encompasses the study of society. Students will study the elements of culture, socialization, sex and gender, social institutions, deviance and crime, race and ethnicity, social class, family, religion. 04258A000

186 ADVANCED PLACEMENT WORLD HISTORY-(1 credit; one year)(1.0 weight) 11, 12 (NCAA Core)

This elective course is offered primarily to seniors. It is recommended for college-bound students. The course is designed to give students an overview of man's development from prehistory to the present. The course centers on the interplay of all areas of the world: conflicts, cooperation, and suggested solutions to some of the world's problems. 04057A000

365 ADVANCED PLACEMENT MICROECONOMICS – (1 credit; one year)(1.0 weight) 10, 11,12 (NCAA Core)

Advanced Placement Microeconomics is designed as an initial college level microeconomics course and as a foundation for possible future study in economics or business. The course is designed to prepare the student for the AP Microeconomics exam, which can lead to college credit. The course involves the study of principles and dynamics that apply to the functions of individual decision makers in economic systems, whether consumers or producers. Advanced Placement Microeconomics will be offered in alternate years with Advanced Placement Macroeconomics so that Advanced Placement Microeconomics will be offered in school years beginning with an even number and Advanced Placement Macroeconomics will be offered in school years beginning with an odd number. 04203A000

SCIENCE

Students and parents are encouraged to give time, thought, and attention to the selection of courses each year. Students are encouraged to make necessary schedule changes during the summer or the week prior to the start of school. All schedule changes must be made before the first day of school. If a student requests a schedule change after the start of the semester, the request will be denied unless unusual circumstances dictate that the change be made in the interest of the student's health or safety. No full year class may be changed at the semester unless the student is earning a D or an F. **No schedule changes will be made to change a student's lunch hour or to change teachers!**

Graduation Requirements: 2 years of science

Suggested Sequences for Science:

Student Plans after High School	Possible Courses for 9 th Grade	Possible Courses for 10 th Grade	Possible Courses for 11 th Grade	Possible Courses for 12 th Grade
Plan to enter the workforce or the Armed Services	Physical Science A Physical Science B	Biology	Chemistry Astronomy Environmental Lab Science Principles of Technology I	Physics Chemistry Astronomy Environmental Lab Science Anatomy & Physiology Biological Science & Agri. Applic. Principles of Technology I
Seek Technical or Vocational Training in other than a four-year college program	Physical Science A Physical Science B Biology	Biology Chemistry Principles of Technology I	Chemistry Physics Astronomy Environmental Lab Science Anatomy & Physiology Biological Science & Agri. Applic. Animal Science/Pre-Vet Studies Principles of Technology I	Physics Chemistry Astronomy Environmental Lab Science Anatomy & Physiology Biological Science & Agri. Applic. Animal Science/Pre-Vet Studies Principles of Technology I
Four-year college or university program	Physical Science A Physical Science B Biology	Biology Chemistry Principles of Technology I	Chemistry Physics Astronomy Environmental Lab Science Anatomy & Physiology AP Biology AP Chemistry Biological Science & Agri. Applic. Animal Science/Pre-Vet Studies Principles of Technology I	Physics Chemistry Astronomy Environmental Lab Science Anatomy & Physiology AP Biology AP Chemistry Biological Science & Agri. Applic. Animal Science/Pre-Vet Studies Principles of Technology I

If a student only takes two years of science, one year must be in the area of physical science and one year must be in the area of life science (biology).

213 PHYSICAL SCIENCE A - (.5 credit; 1 semester) 9 (NCAA Core)

This is a one semester physical science course which is lab oriented with the curriculum focused on Earth science. The Earth science emphasis will be on Earth's surface and structure, rocks, plate tectonics, weather and climate. 03159A000

214 PHYSICAL SCIENCE B - (.5 credit; 1 semester) 9 (NCAA Core)

This is a one semester physical science course which is lab oriented and the curriculum focus will be on Physics and Space science. The physics emphasis will be on forces, motion, energy,

pressure, and electricity. The space science emphasis will be on the solar system, the Earth and moon system, stars and the sun. 03159A000

202 BIOLOGY - (1 credit; one year) 10, 11, 12 (NCAA Core)

Prerequisite: Physical Science A/B

This is a course introducing the study of life on Earth. This laboratory oriented class addresses ecology, cells, genetics, evolution, and a survey of characteristics used in the current system of classification. This course is a prerequisite for Anatomy and Physiology, Lab Science, and AP Biology. 03051A000

201 Principles of Technology I (.5 credit; 1 semester) 10, 11, 12

Prerequisite: B or better in Algebra 1 or Consent of Instructor

Principles of Technology I is a one semester long project-based course that focuses on the study of the forces and laws of nature and their application to modern technology. Motion, momentum, energy conversion, equilibrium, electromagnetism, and optical phenomena are presented in the context of current, real-world applications. Demonstrations, math labs, and applied laboratory experiments are an integral part of the Principles of Technology curriculum. This course enables students to gain a solid foundation for careers in electronics, robotics, and other technological fields. This course will utilize the LEGO Mindstorms kits as well as RobotC and Labview programming software. Principles of Technology I is open to students in 10th, 11th, and 12th grades. 21052A001

***203 ANATOMY AND PHYSIOLOGY** - (1 credit; one year) 11,12 (NCAA Core)

Prerequisite: Biology with a C or better in biology or consent of instructor, chemistry recommended (JALC Dual Credit Course)

This course emphasizes nomenclature and location of human body structures, and the physiological functions of body parts. Students will discover why human beings have different body statures, structures, skin pigmentation, and other variations. In addition to covering tissues and the special senses, the 11 body systems including integumentary, skeletal, muscular, nervous, endocrine, cardiovascular, lymphatic, respiratory, digestive, urinary, and reproductive will be addressed. Dissection of the fetal pig will be used for comparative human anatomy and physiology along with various other lab activities and dissections. 03053A000

204 ADVANCED PLACEMENT BIOLOGY – (1 credit; one year)(1.0 weight) 11,12 (NCAA Core)

Prerequisite: Chemistry and Biology, with a C or better in both

This Advanced Placement Biology course is designed to be equivalent to a two-semester college-level biology course. Before enrolling, students should have successfully completed one full year of high school biology and one full year of high school chemistry. It is designed to emphasize enduring understandings in biology rather than the traditional content coverage. It will center around four Big Ideas in Biology and their interconnectedness. Students will develop advanced inquiry and reasoning skills, such as experimental design, data analysis, mathematical application, and connection of ideas in and across domains. The emphasis will be placed upon science practices enabling the students to establish lines of evidence and use them to develop and refine testable explanations and predictions of natural phenomena.

A minimum of 25% of the class will be composed of laboratory work, with at least two labs applying to each of the four Big Ideas. Laboratory work may include journal article research, field trips, hypothesis generation, data collection, planning, analyzing data, preparing results, and other techniques deemed appropriate for the particular question being addressed. Students will report their lab findings in a variety of methods, including, but not limited to, formal lab

reports, poster presentations, focus group discussions, videos, PowerPoint presentations, and guest lectures. The laboratory investigations will be not only be inquiry-based, but will be student-directed and provide ample opportunities for the students to apply the seven science practices outlined in the new AP Biology Curriculum Framework.

The four Big Ideas for this course as defined by the AP Biology Curriculum Framework are:

- 1) The process of evolution drives the diversity and unity of life.
- 2) Biological systems utilize free energy and molecular building blocks to grow, to reproduce and to maintain dynamic homeostasis.
- 3) Living systems store, retrieve, transmit and respond to information essential to life processes.
- 4) Biological systems interact, and these systems and their interactions possess complex properties. 03056A000

205 CHEMISTRY - (1 credit; one year) 10, 11, 12 (NCAA Core)

Prerequisite: 1 year of Algebra and 1 credit Physical Science A/B

Chemistry is the study of the properties of matter and the changes that matter undergoes. Course content will include measurements and calculations, atomic structure, periodic table, chemical bonding, equations and reactions, stoichiometry, phases of matter and solutions. These concepts will be investigated in multiple laboratory experiments. This course is designed to give the student the knowledge and skills necessary to be successful in an introductory college chemistry course. 03101A000

207 ADVANCED PLACEMENT CHEMISTRY – (1 credit; one year)(1.0 weight) 11,12 (NCAA Core) *Prerequisite: “C” or better in Chemistry and Algebra 2*

AP chemistry is an equivalent to a college or university general chemistry course taken during the first year. This course is designed to prepare the student for the AP Chemistry exam, which can lead to college credits. Chemical concepts such as atomic structure, stoichiometry, chemical bonding, and reactions covered in chemistry are reviewed in greater detail. New concepts such as thermochemistry, equilibrium, kinetics, spontaneity, and electrochemistry are explored in depth. An emphasis is placed upon both mathematical calculations and writing in the classroom and laboratory. A variety of experiments will be conducted to meet the requirements of the AP Chemistry curriculum. 03106A000

208 PHYSICS - (1 credit; one year)(1.0 weight) 11, 12 (NCAA Core)

Prerequisite: Algebra 2 and Chemistry are recommended OR teacher consent when taken concurrently with Chemistry

Physics is a non-calculus introduction to the motion and energy of the physical world for the college bound student. Topics include the study of motion, forces, energy, waves, sound, light, electricity, magnetism, and fluid mechanics. These concepts will be investigated through lecture, problem-solving, laboratory experiments, and student designed projects. An extensive focus is given to describing and communicating these concepts through the language of mathematics. 03151A000

211 ASTRONOMY - (.5 credit; one semester) 11,12 (NCAA Core)

Prerequisite: Two years of high school science

This introductory astronomy course will acquaint students with the terminology, historical perspective, and current thinking about our universe. Emphasis will be placed on the solar system, the Earth, and other planets, characteristics of stars, galaxies, asteroids, meteors, comets and current space missions. 03004A000

212 LAB SCIENCE (Forensic Science) - (.5 credit; one semester) 11,12 (NCAA core)

Prerequisite: C or better in Biology; Chemistry recommended, but not required

This will be a laboratory based course using a problem solving approach. Emphasis will be placed on scientific investigations using various methods of analysis. Students will be expected to communicate results and conclusions using laboratory reports and analyze case studies. Topics to be covered include criminal evidence and the crime scene, forensic science and the law, DNA fingerprinting, hair & fiber analysis, blood spatter, fingerprint analysis, and other forensic methodologies. 03202A000

377 ANIMAL SCIENCE/PRE-VET STUDIES - (one credit; one year) 11,12 Prerequisite:

Biology 1 and BSAA OR consent of instructor

This course will develop students' understanding of the small and companion animal industry, animal anatomy and physiology, animal ethics and welfare issues, animal health, veterinary medicine, veterinary office practices, and animal services to humans. Career exploration will focus on veterinarian, veterinary lab technicians, office lab assistant, small animal production, research lab assistant, and animal nutrition lab technician. Improving computer and workplace skills will be a focus. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts. 18105A001

206 ENVIRONMENTAL SCIENCE – (.5 credit; one semester) 11,12 (NCAA core)

Prerequisites: 2 science credits

Environmental science is an interdisciplinary course that overviews the various systems of the environment and their connections, investigates the use and impact of resources, and explores environmental ethics. Emphasis is placed on human populations, their impact, current environmental issues, and the sustainability of life. Course content will be explored through research projects, community service activities, and laboratory experiments. 03003A000

372&369 BIOLOGICAL SCIENCE AND AGRICULTURE APPLICATIONS

(1 Credit; one year) 10,11,12 Prerequisite: 1 year Science, 1 year Ag Industry, consent of instructor. List both course numbers on request sheet.

Designed to reinforce and extend the understanding of science by associating basic scientific concepts with relevant applications in the agribusiness industry. Students will examine major phases of plant and animal growth in agriculture and the specific biological science concept. Example topics are chemical applications, curing meat products, hydroponics, seed inoculation, chick embryology, and testing plant and animal nutrients. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration, and reinforcement of academic concepts. 18051A002, 18101A001

BUSINESS

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320 DIGITAL CITIZENSHIP FOR FRESHMAN - (.5 Credit; one semester) 9

This course is designed to emphasize necessary technology skills to be successful in high school. Students will utilize the Microsoft Office Suite and the G Suite (Google). The course will focus on document formatting, spreadsheet creation, presentation skills and video production. In addition, essential Chromebook operating system usage will be presented. Students will understand the implications of their online presence and develop cyber skills to create a positive digital footprint. 10005A001

300 MOBILE APPLICATION DEVELOPMENT

Prerequisite: Digital Citizenship, or consent of instructor

(.5 Credit, One Semester) 10, 11, 12

This project-oriented course examines the principles of mobile application design & development. Students will learn application development on the Android platform using open-source programs and deploy applications to the Android marketplace for distribution. Students will learn mobile app programming techniques and apply what they learn to create applications that solve real world business related problems using program/application design skills. 10152A001

301 INTRODUCTION TO KEYBOARDING & COMPUTER APPLICATIONS –

(.5 credit; one semester) 9, 10

Designed for students with little or no prior keyboarding instruction. Students master touch keyboarding. Emphasis will be given to correct fingering, technique, speed & accuracy. The students will utilize the Microsoft Office suite on a variety of document types. Document production will include: letters, tables, memos, email, reports, applications, lists, and agendas. 12005A001

319 INTRODUCTION TO CAREERS IN BUSINESS – (.5 credit; one semester) 9, 10

This course will provide an overview of all aspects of business marketing, management, finance, accounting and technology, including the concepts, functions, and skills required for meeting the challenges of working in business in a global economy. Topics covered will include the basic functional areas of business. Students will be introduced to a wide range of careers in fields such as accounting, financial services, information technology, marketing and management through frequent guest speakers from industry professionals as well as project-based learning. Emphasis will be placed on technology application in these careers along with communication skills, planning for the future, job-seeking skills, personal development. Business ethics as well as other workplace skills will be taught and integrated within this course. 12001A001

331 MEDICAL TERMINOLOGY - (1 credit; one year)10, 11,12 (JALC Dual Credit 11-12 , 10 with required documentation) *Prerequisite: consent of instructor

This course is an introduction to the correct spelling, pronunciation, and meaning of roots, prefixes, and suffixes of common medical terms that relate to body systems and pathological conditions. Students will also learn terminology for medical records, managed care, and the different health care settings. In addition, students will study abbreviations that relate to laboratory values, clinical procedures, and medical documents. 14154A001

334 Beginning Programming and Game Design (1 Credit; one year) 11, 12

Prerequisite: Introduction to Multimedia

This course provides exposure to programming competence via hands-on experience with a variety of game languages. An introduction to structured programming methodologies, syntax and semantics and good programming style will be presented. Instruction will include programming tools that are common to many programming languages through the use of Microsoft Visual Studio 2013. These may include items such as input/output statements,

constants, assignments statements, string and numeric variable types, conditional processing and branching and looping control structures, inheritance and polymorphism, advanced date handling and common algorithms. Students will create programs to store, locate and retrieve data. Students will be able to write, compile, run, test, debug and modify programs and applications. 10152A001.

327 WEB SITE DEVELOPMENT & TECHNOLOGY APPLICATIONS –

(1 credit; one year) 9 (Consent of Instructor for 9th graders), 10, 11, 12

(Note: Interested 9th graders may request the class, and the high school instructor will follow up with Jr. High faculty to determine eligibility.)

Web Site Development is a computer literacy course which provides background and hands-on knowledge in the use of computers and other technology for professional web site creation, design, and publication. Software utilized is the Adobe Software Suite which includes Adobe Dreamweaver, Flash, Photoshop, and Fireworks. Concepts of HTML and XHTML Code will be introduced. Students will implement a variety of multimedia applications such as using video and sound to enhance professional web site creation. Students may have the opportunity to take the Adobe Dreamweaver certification test upon completion of the course. Students will be given the opportunity to participate in a variety of cumulative school and community-based web design projects. Units involving new technological advances including 3-D printing and mobile app development will be incorporated. Students will have the opportunity to utilize a 3-D printer for a variety of projects. 10201A001

328 ADVANCED WEB SITE DEVELOPMENT – (1 credit; one year) 10, 11,12

Prerequisite: Web Site Development & Technology Applications and Consent of Instructor

Advanced Web Site Development is an advanced-level computer literacy course where students receive an extensive background and hands-on knowledge in the use of organizational web site design, multimedia applications, scanner operation, digital photography, photo enhancement, and security issues relating to web site creation. Software utilized is the Adobe Software Suite including Dreamweaver, Flash, and Photoshop. Hands-on experience will be gained in writing and manipulating XHTML Code. The students in this class will have the opportunity to update and maintain real-world web sites as they participate in a variety of community-based web design projects. Due to the responsibilities involved in this course, students in this class MUST have prior approval from the instructor before enrolling. 10201A002

***340 & 341 COOPERATIVE CAREER & TECHNICAL EDUCATION (CCTE)**

(4 credits; one year) 12 (JALC Dual Credit)

Prerequisite: Completion of at least two career & technical classes, application form, interview, & consent of instructor

CCTE is a capstone course designed to assist students in the development of effective employability skills and attitudes through practical, advanced instruction in school and on the job. Students enrolled in the CCTE program spend half of the school day at school and the other half in on-the-job training supervised by the designated training sponsor and coordinated by the teacher-coordinator. A plan that identifies training to be provided is developed by the teacher-coordinator with the assistance of the training sponsor and the student-trainee. Related instruction includes the following broad areas of emphasis: future career educational opportunities, planning for college, careers, scholarship opportunities, job-seeking skills, personal development, appropriate methods of job termination, worker safety, and ethical decision making in the workplace. Additional topics include: economics, consumerism, banking and credit, budgeting, saving and investing, insuring against loss, taxes and taxation, Social Security and IRAs, and responsible citizenship. This course meets the state's consumer education requirement for graduation. 22153A001 12002A001

303 BUSINESS CONCEPTS 1 - (.5 credit; one semester) 9, 10,11

This course serves as an orientation to all business programs. Basic accounting, economics, marketing, and management principles are introduced. Business communications and business computations are integrated throughout the course. Employability skills and abilities are developed. 12001A001

329 BUSINESS CONCEPTS 2 - (.5 credit; one semester) 9, 10, 11, 12

Prerequisite: Business Concepts 1, or consent of instructor

This is a continuation of the introductory course. Students will be given an expanded view of topics covered in the first semester and an orientation to other accounting, economics, marketing and management principles. In addition, personal finance topics will be introduced which include consumer purchases, credit and money management. Students passing Business Concepts I & II meet the consumer economics requirement. 12001A001

***315 COMPUTER CONCEPTS** - (.5 credit; one semester) 9, 10, 11, 12

Prerequisite: One semester Keyboarding or Digital Citizenship

Computer Concepts is a project based course in which students will gain proficiency using Microsoft Office 2013. The focus will be business applications using Word, Access, Excel, and PowerPoint. Students will also expand their knowledge of computer essentials, terminology, and components of computer hardware. 10004A001

*Students who choose to successfully complete both Computer Concepts and Advanced Computer Concepts will receive dual credit from John A. Logan College. A student who completes both courses with an A average may be eligible to take a Microsoft Certification exam in both Word and Excel.

***316 ADVANCED COMPUTER CONCEPTS** - (.5 credit; one semester) 10,11,12

Prerequisite: Computer Concepts (JALC Dual Credit 11-12, 10 with required documentation)

Advanced computer concepts is designed to further develop awareness and understanding of application software and equipment used by employees to perform tasks in a business setting. Students will expand their knowledge using Microsoft Access, Excel, PowerPoint, and Word. By the end of this course, in additions to demonstrating basic competency in using Microsoft Office applications and Windows, preparation for Microsoft certifications in Word and Excel may be obtained. 10005A001

321 INTRODUCTION TO MULTIMEDIA – (.5 credit; one semester) 10,11,12

Prerequisite: Keyboarding or Digital Citizenship

This course is designed to introduce the student to various desktop publishing applications. Students will utilize the Adobe Creative Suite (Illustrator, In Design and Photoshop). Students will gain hands-on experience creating publications such as newsletters, brochures, pamphlets, and promotional materials. Students will learn how to create digital images and alter digital photographs. Real life simulations will allow students to create awards and promotional advertising. 10201A001

322 ADVANCED MULTIMEDIA – (.5 credit; one semester) 10,11,12

Prerequisite: Successful completion of Introduction to Multimedia

This course is designed to build strong visual and media literacy for life-long use and awareness of career/higher educational choices in the multimedia field related to business marketing and promotions field. Students will also learn multimedia production techniques utilizing video and sound editing software, digital cameras, and high definition camcorders. Students will learn to import and export graphics through the use of scanners and digital cameras. Students will learn

how to create academic and entertaining presentations including movies, animations, music and text. Real life simulations will allow students to create recap videos and promotional video announcements. 10201A002

317(1ST SEM.) 318(2ND SEM.) COMPUTER MAINTENANCE & NETWORKING– (.5 credit; semester) *Prerequisite:* Consent of Instructor 9-12

This course is an introduction to computer hardware and software. It is designed to help students become comfortable and skilled with installing new hardware and software, troubleshooting hardware and software problems, and making decisions about upgrading or purchasing new hardware and operating systems. Students will become familiar with the role of a PC technician. The course will provide the skills needed to complete the three IC3 (Internet and Computing Core Certification) exams to become globally certified. Although this is a semester class, students may enroll for more than one semester. 10102A001

503 C.A.T.S. Computer and Technical Support – (1.0 credit; semester) 10, 11, 12

Prerequisite: Consent of Instructor OR Comp. Maintenance

Students will receive instruction in setup and configuration of various networks and will be trained in customer service, software and hardware troubleshooting, network management, and user profile maintenance. A component of the course will be a student staffed help desk to provide students, faculty, and staff with Chromebook support and repairs as well as technical support for other devices. Students will work extensively with the Google Admin Console to manage the school network by creating, editing, and adjusting/designing student and staff profiles and groups. Additionally, students will work on and prepare for completing CompTIA certifications. 10102A002

337 SPORTS AND ENTERTAINMENT BUSINESS – (.5 credit; one semester) 10,11,12

Students will learn about sports and entertainment through the perspective of management and marketing. The course will consist of presentations, video, and papers on subjects such as radio, television, concert promotion, and sports management & marketing. Students will also complete a virtual business simulation pertaining to both sporting and entertainment events. Class also includes creating public/school announcements to be displayed on the jumbo screen during events held in the school stadium & gymnasium. 12055A001

***312 ACCOUNTING 1** - (1 credit; one year) 10, 11, 12 (JALC Dual Credit 11-12, 10 with required documentation)

This course is a study in accounting theory which will be useful to all students who plan to pursue a career in business, marketing, management, or business ownership. Instruction will include information on keeping financial records, summarizing them for convenient interpretation, and analyzing them to provide assistance to management for decision making. By the use of business simulations, the student actually has an opportunity to have hands-on experience with cash receipts and cash payments, purchasing of goods, marking up and selling goods, paying employees, and government regulations and forms. Some specialized accounting computer applications are made available. 12104A001

313 ACCOUNTING 2 – (1 credit; one year) (1.0 weight) 11, 12 (JALC Dual Credit)

Prerequisite: Accounting 1 or Instructor Consent

This course is designed as the initial college-level course in financial accounting and as a foundation for possible future study in economics or business. The course involves the study of financial accounting modules which include the following: financial reporting and decision-making for operating activities; financial planning and reporting for capital investment activities,

financial planning, decision-making and reporting for financing activities; and financial reporting for cash flows. 12104A002

305 ACCOUNTING 3 – (1 credit; one year) 11, 12 (JALC Dual Credit – 3 hours ACC 201)

Prerequisite: Accounting 1 or Instructor Consent

This course is designed as the initial college-level course in financial accounting and as a foundation for possible future study in economics or business. The course involves the study of financial accounting modules which include the following: financial reporting and decision-making for operating activities; financial planning and reporting for capital investment activities, financial planning, decision-making and reporting for financing activities; and financial reporting for cash flows. 12104A002

332 INVESTMENTS - (.5 credit; one semester) 11,12 (10 with consent of instructor)

Students will take a comprehensive look at financial planning. Topics to be covered include: tax incentive investments, qualified retirement plans, options, real estate, bonds (corporate, municipal, government), mutual funds, annuities, commodities, futures, and the stock market. In addition, students will learn about investment planning for the different life stages. 12055A001

306 INVESTMENTS II – (.5 credit; one semester) 11, 12

This course is designed to allow more in-depth discussion and application of topics introduced in Investments. Topics to be covered include: commodities, options, real estate investments, tax deferred investments, annuities and retirement planning. The process of becoming licensed to in investment industries such as real estate and securities will be explored. 12055A001

335 PRINCIPLES OF MANAGEMENT – (.5 credit; one semester) 11, 12 (10 with consent of instructor). (JALC Dual Credit)

This course is designed to introduce the concepts, terminology, principles, practices and techniques of management. Emphasis is placed on managing in a diverse, global, technologically driven, fast-changing economic environment. The four basic management functions of planning, organizing, leading and controlling will be explored in the course. It will also include the applications of business law to contracts, employee-employer relationships and overall management of business operations. 12054A001

326 MARKETING AND BUSINESS OWNERSHIP - (1 credit; one year) 10 (With consent of instructor) 11,12

This course is a study of marketing and management principles. Student learning experiences are developed around the marketing concept and the "marketing mix". Topics emphasized include economic systems and principles, the function and scope of business, advertising, pricing, selling, displaying, purchasing, simulated record keeping, government regulations, personnel and management problems, and personal success principles. Career opportunities in the field are presented throughout the course. 12164A001

324 ADVANCED MARKETING AND BUSINESS OWNERSHIP–(1 credit; one year)11,12

Prerequisite: Consent of Instructor

This course is an advanced study of marketing and management principles. Students' learning experiences are developed around the marketing concept, marketing mix and the four functions of management. Topics emphasized include advanced principles, functions and scope of business, advertising, promotions, public relations, personnel and management problems. Students will participate in extensive project-based learning including hands-on operation of a small business enterprise. 12152A001

365 ADVANCED PLACEMENT MICROECONOMICS – (1 credit; one year)(1.0 weight) 10, 11,12
(NCAA Core)

Advanced Placement Microeconomics is designed as an initial college level microeconomics course and as a foundation for possible future study in economics or business. The course is designed to prepare the student for the AP Microeconomics exam, which can lead to college credit. The course involves the study of principles and dynamics that apply to the functions of individual decision makers in economic systems, whether consumers or producers. Advanced Placement Microeconomics will be offered in alternate years with Advanced Placement Macroeconomics so that Advanced Placement Microeconomics will be offered in school years beginning with an even number and Advanced Placement Macroeconomics will be offered in school years beginning with an odd number. 04203A000

396 DIGITAL COMMUNICATION - (.5 credit; one semester) 11, 12

Prerequisite: Successful completion of Introduction to Multimedia

This class is a digital communication course designed to provide students with a groundwork in various forms of media, including writing, videography, broadcasting, and public speaking. It will focus on the methods and techniques for reporting, producing, and delivering news and news programs via radio, television, and video/film media; and that prepares individuals to be professional broadcast journalists, editors, producers, directors, and managers. Includes instruction in the principles of broadcast technology; broadcast reporting; on- and off-camera and microphone procedures and techniques; program, sound, and video/film editing; program design and production; media law and policy; and professional standards and ethics.

397 BROADCAST TECHNOLOGY - (.5 credit; one semester) 11, 12

Prerequisite: Successful completion of Advanced Multimedia or Digital Communications

This course will focus on the development, use, critical evaluation, and regulation of new electronic communication technologies using computer applications; and that prepares individuals to function as developers and managers of digital communications media. Includes instruction in computer and telecommunications technologies and processes; design and development of digital communications; marketing and distribution; digital communications regulation, law, and policy; the study of human interaction with, and use of, digital media; and emerging trends and issues. Editing software will be used for creative videos with a variety of topics, including a PSA and short film. Students will work in collaborative teams to produce video projects using relevant A/V equipment and editing software. Special emphasis is placed on creativity, writing, and the editing process. Although much of the work is done in class, time after school may be necessary in order to meet event broadcast requirements.

FINE ARTS

Students and parents are encouraged to give time, thought, and attention to the selection of courses each year. Students are encouraged to make necessary schedule changes during the summer or the week prior to the start of school. All schedule changes must be made before the first day of school. If a student requests a schedule change after the start of the semester, the request will be denied unless unusual circumstances dictate that the change be made in the interest of the student's health or safety. No full year class may be changed at the semester unless the student is earning a D or an F. **No schedule changes will be made to change a student's lunch hour or to change teachers!**

Visual Arts

490 BEGINNING DIGITAL GRAPHICS - (.5 credit; one semester)

Beginning Digital Graphics course provides students with the opportunity to explore the use of digital media and visual communications. Students will produce work that applies graphic

design techniques through various career paths such as advertising, commercial art and design, television and video, and architectural design. Course topics will include the use of Adobe digital suite, with emphasis on Photoshop, Illustrator, and Lightroom. 10202A002

491 BEGINNING PHOTOGRAPHY - (.5 credit; one semester) 10, 11, 12

Prerequisite: Consent of Instructor

Beginning Photography course provides instruction in the use of digital and conventional film cameras. Topics include composition skills, and the application of Iso Aperture and Shutter speed (photographic triangle). Some film processing techniques will be explored. 11052A003

493 PHOTOGRAPHY 2 - (.5 credit; one semester)

Prerequisite: Beginning Photography

Students will build upon the concepts and skills acquired in beginning photography. Students will increase their knowledge of digital editing with Adobe Lightroom and Photoshop. When possible, job shadowing opportunities will be provided. 11052A003

470 ART 1 - (1 credit; one year) 9, 10, 11, 12

Art 1 students are introduced to drawing, painting, printmaking, ceramics, color theory and three-dimensional design using the elements and principles of art. Students will develop skills in understanding and appreciating art history, aesthetics, art criticism and studio art techniques. This class is structured to accommodate the unique blend of creative abilities in every student.

No prior art experience is required. 05154A000

471 ART 2 - (1 credit; one year) 10, 11, 12

Prerequisite: 1 year of Art

Art 2 students will learn additional techniques and creative thought processes as well as new applications for the skills and concepts learned in Art 1. Greater emphasis is placed on technique, organization of composition, and further development of individual concepts. Art 2 content will focus on the understanding and use of various aspects of two and three-dimensional art and art history and include drawing, painting, sculpture, ceramics, and printmaking. 05155A000

472 ART 3 - (1 credit; one year) 11, 12

Prerequisite: 2 years of Art

Art III allows the student to explore fundamental skills in all techniques and various media, both 2 dimensional and 3 dimensional in addition to photography. Studio work will explore the principles and elements of art and design. Students will increase their development of visual awareness, critical thinking and problem-solving abilities thru studio based work. Students will create a portfolio. 05199A000

473 ART 4 - (1 credit; one year) 12

Prerequisite: 3 years of Art

Art IV is a senior class designed to allow further exploration of individualized skills and interests in selected media. This course will allow students the opportunity to develop and create their own art style, and further their individual portfolio and resume. Work will be individualized and submitted through the contract method. Student and instructor will create and write the course outline that will allow each student the maximum opportunity to enhance/ finalize their Senior portfolio. 05170A000

474 ART THROUGH THE AGES - (.5 credit; one semester) 10, 11, 12

Prerequisite: 1 year of Art

Art Through The Ages familiarizes students with an overview through power-point presentations of the visual culture of societies from prehistory to the present day. Students' understanding of

art and culture are strengthened by creating projects in multi-media that relate to the different eras. Creative problem solving through conceptualization, research and execution of the different projects are emphasized. This class along with Three-Dimensional Art is considered equivalent of Art 2. 05152A000

475 THREE DIMENSIONAL ART - (.5 credit; one semester) 10, 11, 12

Prerequisite: 1 year of Art

Three Dimensional students are introduced to the fundamental techniques and concepts of ceramic art and the study of the elements and principles of designing in three-dimensional forms in space. The emphasis of this class is the exploration of clay as a material for creative expression. Functional and sculptural aspects of the medium will be considered through projects incorporating hand building, wheel throwing, surface treatments, and glazing techniques. Additional three-dimensional designing will include exploring fused glass. The course is intended to develop the conceptual skills related to three-dimensional thinking and the ability to produce creative solutions encountered in sculpture. This class, along with Art Through The Ages is considered equivalent of Art 2. 05158A000

476 COMMERCIAL ART 1 - (2 credits; 2 hours) 11, 12

Prerequisite: consent of instructor

Commercial Art 1 is an introduction to digital imaging and computer based art, advertising, marketing and photography. Students will utilize Adobe Photoshop, In Design and Illustrator. This course covers a wide range of fundamentals and technologies involved in professional visual communication, design and production. Students will cover corporate branding, typography, packaging, screen printing, animation, photography and design. This course uses collaborative thinking techniques coupled with hands on experiences to learn skills necessary for creative problem solving. Students will use scanners, digital cameras and the MAC lab to create real world publications, promotional products and photographic prints. Commercial Art 1 students will prepare a portfolio. 11155A001

478 COMMERCIAL ART 2 - (2 credits; one year) 12 *Prerequisite: Commercial Art I*

Commercial Art II is designed for Students to experience an in depth study of the profession of graphic design and complex features of adobe Creative Suites (Photoshop, In Design, & Illustrator). Students will work from a simulated commercial graphics business model. They will focus on practical art direction, marketing campaigns, collaboration and production. Students will explore roles in the design industry and creative solutions to design problems. A more in-depth portfolio will be created, including a digital portfolio and resume. When possible, job shadowing will be included. 11155A002

481 AP STUDIO ART - (2 Credits; one year)(1.0 weight) 12

Prerequisite: Consent of Instructor

The Advanced Placement Studio Art course enables highly motivated art students to create college –level work in art while still in high school. AP Studio student candidates may earn possible college credit by submitting a portfolio of work for evaluation to the AP College Board at the end of the course (usually early May). Portfolios may be 2D Design, Drawing or 3D design. Advanced Placement work does involve time and commitment, and may require additional studio time and field trips. 05171A000

Vocal Music

486 Concert Choir – (1 credit; one year)

Prerequisite: Grades 9, 10, 11, 12

Concert choir is for students who love to sing, but do not have the time to commit to a lot of extra-curricular rehearsals. Students will learn to read music, explore different singing styles, develop healthy singing techniques, as well as exercises to improve as a vocalist and/or musician. Students will learn several different singing genres such as music theatre, classical, pop, foreign language, sacred, and gospel. Students will be performing as a group at the Fall Concert, Madrigal Dinner, Spring Concert, Graduation, and Baccalaureate. Students in this ensemble will have the opportunity to audition for optional after-school ensembles, roles within the Madrigal, concert solos, show choir, and roles within the musical. A spring musical will alternate years with our competitive choir, Show Choir. All concert attire will be provided.

05110A000

462 Women's Choir – (1 credit; one year)

Prerequisite: Audition & Grades 9, 10, 11, 12

Students in Women's Choir are expected to have some previous experience in a choral program. A variety of music will be learned along with techniques of vocal production and music reading. Students in this class will sing music that is both fun and challenging. Students in Women's Choir will be performing at the Fall Concert, Madrigal Dinner, Spring Concert, Graduation, and Baccalaureate. Students in this ensemble will have the opportunity to audition for several optional after-school ensembles, roles within the Madrigal, Show Choir, concert solos, and roles within the musical. A spring musical will alternate years with our competitive choir, Show Choir. Women's Choir is a great place to meet new friends and grow as a vocalist.

05111A000

458 Jazz Choir – (1 credit; one year)

Prerequisite: Audition & Grades 10, 11, 12

Students in Jazz Choir are expected to have a lot of previous experience in a choral program. Students in Jazz Choir are assumed to have a high level of music literacy and performance experience. A variety of music will be learned along with techniques of vocal production and music reading. Jazz Choir students must learn a vast amount of music for the Madrigal Dinner and usually play a prominent role in the Spring Musical or Show Choir. A spring musical will alternate years with our competitive choir, Show Choir. They are expected to learn their music and roles very quickly and will need to invest their personal time to ensure they are successful. Music will be sung in SSAATTBB and many solo opportunities (as well as singing in the male ensemble) will come from this ensemble.

Instrumental Music

460 BAND - (1 credit) 9, 10, 11, 12

MHS Concert Band:

The MHS Concert Band is made up of all students enrolled in band. The Concert Band performs a winter concert in December and a spring concert in April, and performs at local and regional festivals, honor bands, and IHSA contest. Concert Band meets during the 4A class period. 05101A000

MHS Football Band:

The MHS Football Band is made up of all students enrolled in band. It meets during the 1st nine weeks of the school year during 4A. Students are required to perform at all varsity home football

games and parades. The football team plays 4 -5 games a school year. The group also performs at local parades.

MHS Pep Band:

The MHS Pep Band is made up of all students enrolled in band. The band rehearses during the 2nd and 3rd nine weeks of the year during 4A. Students are required to perform at all varsity boys' home basketball games.

EXTRA CURRICULAR ENSEMBLES

Marching Wildcat Band (MWB)

The MWB is a volunteer extra-curricular performing ensemble. The MWB competes in 4 - 5 regional marching competitions during the fall semester. All student enrolled in band are eligible to participate in the MWB. Sr. students participating can receive PE credit as outlined in the course descriptions manual. A band fee of \$100 is required to participate in this ensemble. Each member will be given adequate fund-raising opportunity to fulfill this fee (band cards).

MHS Jazz Band I:

The MHS Jazz Band I is the premiere jazz ensemble at MHS and is largely performance based. The ensemble is extra curricular and meets after school. Membership is selected through auditions. The group performs at jazz festivals, jazz concerts around the local region.

MHS Jazz Band II:

The Jazz Band II is extra curricular and meets after school. Membership is selected through auditions. The group performs at jazz festivals and jazz concerts.

MHS Jazz Combo:

The MHS Jazz combo is extra curricular and meets after school. Members are selected by audition and the group performs locally and regional each semester.

CAREER AND TECHNICAL EDUCATION

Students and parents are encouraged to give time, thought, and attention to the selection of courses each year. Students are encouraged to make necessary schedule changes during the summer or the week prior to the start of school. All schedule changes must be made before the first day of school. If a student requests a schedule change after the start of the semester, the request will be denied unless unusual circumstances dictate that the change be made in the interest of the student's health or safety. No full year class may be changed at the semester unless the student is earning a D or an F. **No schedule changes will be made to change a student's lunch hour or to change teachers!**

387 CONSUMER ECONOMICS - (.5 credit; one semester) 11

Consumer Economics is the study of the roles of consumer, worker, and citizen as participants in a free enterprise economic system. The course is designed to inform students about economic principles and to develop skills in utilizing the goods and services of a capitalistic society. Guest speakers and technology based learning will reinforce study in units including taxes, money management, credit cards, insurance, investments, and large consumer purchases. 22210A001

429 INTRODUCTION TO CAR CARE & MAINTENANCE (.5 credit; one semester) 9,10

This course should only be taken as an introductory course. Do not register for this course if you have already taken course (430) Auto Mechanics 1.

This is an introductory automotive course designed to introduce both male and female students to the care and maintenance needed for today's modern automobile. Specific topics will include, but not limited to, an overview of how the modern automobile works; fluid checking, filling, and changing; tire changing and rotation; and checking brakes; starters; alternators; batteries; warning lights; gauges; and setting up a preventative maintenance plan. Other topics will be covered including care and detail requirements of car's interior and exterior, automobile buying tips and safeguards for the consumer. 20106A001

430 AUTO MECHANICS 1- (.5 credit; one semester) 10, 11, 12

If taken in the same year as course number 429 Introduction to Car Care Maintenance, this course should be taken in the 2nd Semester.

This course is an overview of the automobile from radiator cap to rear wheels, in addition to the basic operations of two and four cycle gasoline small engines. Students will have the opportunity to disassemble, repair and reassemble a small engine. The course consists of primarily classroom instruction with some time devoted to "hands-on" experiences. 20106A001

***431 & 432 TRANSPORTATION/AUTOMOTIVE TECHNOLOGY 1 & 2**

(2 credits; one year) 11,12 (JALC Dual Credit Class)

Prerequisite: Auto 1, or Intro to Car Care & Maintenance, consent of instructor

The course is divided into six areas of instruction. The first stage deals with safety, tools, shop math, and fasteners; the second part is concerned with engines; the third part with auto electrical units; the fourth part with engine tune-up and trouble shooting; the fifth part with power trains; and the sixth part with brakes and suspension. Instruction is accomplished by classroom and shop activities. 20104A001, 20104A002

370 INTRO TO AGRICULTURE INDUSTRY-(1 credit; one year) 9,10,11

This course provides an opportunity for students to learn how the agricultural industry is organized; its major components; the economic influence of agriculture at state, national and international levels; and the scope and types of job opportunities in the agricultural field. Basic concepts in animal science, plant science, soil science, horticulture, natural resources, agribusiness management, and agricultural mechanics, will be presented. Improving computer and workplace skills will be a focus. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts. 18001A001

379 AGRICULTURAL MECHANICS AND TECHNOLOGY –

(1 credit; one year)11,12 *Prerequisite: Intro to Ag*

This course will concentrate on expanding student's knowledge and experiences with agricultural mechanics technologies utilized in the agricultural industry. Units of instruction included are: design, construction, fabrication, maintenance, welding, electricity/electronics, internal combustion engines, hydraulics, and employability skills. Careers of agricultural construction engineer, electrician, plumber, welder, equipment designer, parts manager, safety inspector, welder, and other related occupations will be examined. Improving workplace and computer skills will be a focus. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts. 18402A001

372 & 369 BIOLOGICAL SCIENCE AND AGRICULTURE APPLICATIONS

(1 credit; one year) 10, 11, 12(Cross Listed with Science Department) *Prerequisite: 1 year Science, 1 year Ag Industry, consent of instructor.*

List both course numbers on request sheet.

Designed to reinforce and extend the understanding of science by associating basic scientific concepts with relevant applications in the agribusiness industry. Students will examine major phases of plant and animal growth in agriculture and the specific biological science concept. Example topics are chemical applications, curing meat products, hydroponics, seed inoculation, chick embryology, and testing plant and animal nutrients. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration, and reinforcement of academic concepts. 18051A002, 18101A001

377 ANIMAL SCIENCE/PRE-VET STUDIES - (1 credit; one year) 11,12

Prerequisite: Biology 1 and BSAA or consent of instructor

This course will develop students' understanding of the small and companion animal industry, animal anatomy and physiology, animal ethics and welfare issues, animal health, veterinary medicine, veterinary office practices, and animal services to humans. Career exploration will focus on veterinarian, veterinary lab technicians, office lab assistant, small animal production, research lab assistant, and animal nutrition lab technician. Improving computer and workplace skills will be a focus. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts. 18105A001

373 & 374 LANDSCAPING/TURF OPERATIONS AND MANAGEMENT 1 & 2

(2 credits, one year) 11, 12 *Prerequisite: Intro to Ag, BSAA, or consent of instructor*

This advanced course focuses on the landscape, nursery, and turf segments of the horticulture industry. Units of student instruction include: identifying landscape plants, designing landscape plans, hardscape construction techniques, and installing landscape plants. Also included are nursery production, turfgrass production, small engine repair, and maintenance of existing landscapes. Agribusiness units will cover calculating prices for work, managing a horticulture business, advertising, and sales. Improving computer and workplace skills will be a focus. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts. 18054A001, 18053A001

358 DRAFTING 1 - (.5 credit; one semester) 9, 10, 11,12

Students will explore the language of mechanical drawing and become familiar with drafting methods and procedures used by industry. The course offers experiences in the use of computer aided drafting and design software. The student will use basic computer aided drafting techniques through assignments in sketching, detailed drawings, multiview projection, and dimensioning in constructing conventional drawings. 21102A002

359 DRAFTING 2 - (.5 credit; one semester) 10,11,12

Prerequisite: Drafting I

This course explores additional drafting techniques using 2D isometrics and 3D solid renderings, including detail drawing preparation, tolerance specifications, vocabulary development, system operation, entity creation, dimensioning and text insertion, plotting, three dimensional coordinate system, 3D parts detail and assembly drawings, and wire frame models. In addition to 3D, this course will cover the basics of architectural design and the students will design a sample house floor plan. This course provides a sequence of CAD experiences. 21106A001

***361 COMPUTER AIDED DRAFTING 1** - (1 credit; one year)11,12 JALC DUAL CREDIT

Prerequisite: Drafting II, consent of instructor

This course is designed to provide students interested in a career in Architecture & Mechanical Drafting with information and practical experience needed for the development of job-related competencies. Students are made aware of the various aspects that go into Mechanical Drafting and Architectural Drafting CAD Fields. Instruction is provided in the areas of advanced CAD commands and system functions, planning and organizing projects, researching information, preparing of preliminary drawings, basic layout, detail drawings, reproduction techniques, producing working drawings, and computer aided drafting. Students are also provided with instruction in producing architectural drawings in the areas of presentation, floor plans, landscape features, sketching preliminary floor plans, drawing foundation plans and sections, exterior elevations, electrical plans, and structural drawings. 21103A001

***362 COMPUTER AIDED DRAFTING 2** - (1 credit; one year)11,12 JALC DUAL CREDIT

Prerequisite: CAD 1, consent of instructor

This course builds on the skills and concepts introduced in CAD 1 and is designed to provide students advanced training in the fields of Architecture and/or Mechanical Drafting. This course will give in-depth exposure to machine blueprint reading, product design, assembly and part drawings, tolerancing on mating parts, MNC/LMC, machine designs, as well as advanced architectural design instructions for blueprint layouts, architectural drawing components, civil, structural, and MEP designs. 21106A002

348 INTRODUCTION TO CONSTRUCTION (.5 Credit; one semester) 9,10,11,12

Beginning Construction course expose students to the opportunities available in construction-related trades, such as carpentry, masonry, air conditioning/refrigeration, plumbing, and so on. Students learn about the processes involved in construction projects and may engage in a variety of small projects. 17001A001

354 CARPENTRY 1 (.5 Credit; one semester) 9,10,11,12

Prerequisite: Intro to Construction

This course is designed to introduce students to the Carpentry/Carpenter occupation. Students are instructed in areas of safety, including hand tool, power tool, ladder, scaffolding and the use of safety harnesses. Students are introduced to the theoretical knowledge needed to lay out rafter, stairs, and basic framing techniques. Students demonstrate knowledge of blueprint reading, including foundations, concrete, floor plans, specification schedules, and electrical, plumbing and mechanical symbols. Students demonstrate entry-level skills in all facets of residential construction. Technology-related mathematics, reading, writing, vocabulary, blueprint reading, and science are integrated throughout the curriculum. 17003A001

355 BUILDING TRADES 1 - (3 credits; one year) 11, 12

Prerequisite: Introduction to construction & Carpentry 1 and/consent of instructor

This course provides experiences related to the erection, installation, and maintenance of residential buildings and related fixtures. Planned learning activities allow students to understand fundamental principles and methods, and develop technical skills related to masonry, carpentry, and finish work. Instruction includes safety principles and practices, recognition of standard lumber sizes, foundation layout methods, building concepts and procedures, local, state, and national codes, cost estimating, and blueprint reading. 17002A001

356 BUILDING TRADES 2 – (3 credits; one year)12

Prerequisite: Introduction to construction & Carpentry 1 and/consent of instructor

This course provides learning experiences related to the erection, installation, maintenance, and

repair of building structures and related utilities. Student technical skill experiences include instruction and activities in safety principles and practices, performing maintenance control functions, joining pipes, building water distribution lines and drains, installing and maintaining plumbing fixtures and systems, installing switch and outlet boxes, light fixtures, service entrances, roughing in and trimming out electrical devices and appliances, preparing foundations and footings, and advanced building and construction methods and codes. All learning experiences are designed to allow the student to acquire job-entry skills and knowledge.
17002A002

440 ELECTRICITY 1- (.5 Credit; one semester) 10, 11, 12

Prerequisite: Intro to Construction

Beginning Electricity—course provides a survey of the theory, terminology, equipment, and practical experience in the skills needed for careers in the electrical field. This courses typically include AC and DC circuitry, safety, and the National Electrical Code and may cover such skills as those involved in building circuits; residential wiring, installing lighting, power circuits, and cables. 20101A001

420 WELDING 1- (.5 Credit; one semester) 11, 12 (JALC DUAL CREDIT)

Prerequisite: Introduction to Agriculture or Consent of Instructor

This course introduces shielded metal arc welding (SMAW or stick welding), gas metal arc welding (GMAW or MIG welding), plasma cutting (PAC), and oxy fuel cutting (OFC) processes. This class focuses heavily on the SMAW process, including attention to studying welding process components, electrode classification systems, rod selections, properties, use, and storage. Emphasis is placed on cutting steel plate, running beads, pad buildups, and basic fillet and groove welds in the flat and horizontal positions with SMAW and GMAW. 13207A003

421 WELDING 2- (.5 Credit; one semester) 11, 12 (JALC DUAL CREDIT)

Prerequisite: Welding 1

This course builds on the skills and concepts introduced in Welding I and provides more in-depth skill development in various types of welding, including SMAW, GMAW, and Oxy-Fuel welding. Additionally, greater emphasis is placed on fabrication and projects. Upon completion, students should be able weld lap, tee, and butt joints on carbon steel with prescribed electrodes in the flat and horizontal positions. 13207A003

499 MANUFACTURING 1 (2 Credits, One year) 11, 12 Offered at Herrin High School-Must have your own transportation

This course introduces students to the basic mechanical and technical skills common to the most field in the fabrication of metal parts in support of other manufacturing activities. Topics include shop safety, hand and power tool use, the operation and maintenance of precision metal working equipment, precision measurement, quality control, exploring the manufacturing process, instrumentation, and blueprint reading. 13203A005

498 MANUFACTURING 2 (2 Credits, One year) 12 Offered at Herrin High School-Must have your own transportation

This course builds on the skills and concepts introduced in machine shop technology 1. Additional skills- building activities include automated manufacturing, the use of end mills, surface grinders, drill presses, and basic welding procedures. 13203A006

450 ORIENTATION TO HEALTH CAREERS - (.5 credit; one semester) 9,10,11,12

Students will be introduced to all medical careers to determine future interest. They will explore many of the technical skills needed by medical employees through numerous guest speakers,

presentations, discussions and hands-on activities. Students will study the role of government in health care agencies as well as levels of management. They will be guided to understand communications in the medical field. 14001A001

451 Health Science Careers (Medical Careers)-(2 credits; one year) 11, 12

Prerequisite: consent of instructor & acceptable: GPA, attendance and discipline, recommendation from previous instructor(s)

This course offers planned classroom theory, laboratory and clinical experiences (job-shadowing) to assist students in making a career choice in healthcare. The first semester of instruction takes place in the classroom to prepare the student for placement in a variety of health care settings in hospitals, clinics, offices, etc., in the community, during second semester. In order to participate in clinical observation activities, students are required to pass coursework and/or laboratory simulation in specified areas including confidentiality, infection control, CPR and safety. Emphasis will be placed on developing competencies in the many employment roles in all allied health care settings. Students will be prepared to enter articulated associate degree programs at community colleges or universities and/or post-high school employment placements. Successful completion of the American Heart Association CPR, AED, and First Aid courses will result in advanced certification. 14102A001

***452 CERTIFIED NURSING ASSISTANT** - (3 credits; one year) 12; 1 credit science

(JALC Dual Credit Class) *Prerequisite: consent of instructor & acceptable: GPA, attendance and discipline, recommendation from previous instructor(s)*

This class is designed for seniors who wish to prepare for a career in nursing or related health services. During the first nine weeks terminology, anatomy, physiology, pathophysiology, and techniques of patient care are stressed. It offers a sequence of planned educational classroom, laboratory, and clinical experiences to prepare a person to perform tasks involved in the personal care of individuals receiving health care. These tasks are performed under the supervision of a licensed practical nurse, registered nurse or physician. The remainder of the school year, the student receives on-the-job training at local hospitals and other health care agencies. To be eligible to participate in clinical observation activities, students are required to pass coursework and/or laboratory simulation in specified areas including confidentiality, infection control, CPR and safety. Upon successful completion of the course, the student will be a Certified Nurse Assistant approved by the Illinois Department of Public Health. 14051A001

388 LIFE 1-LEARNING FOR INDEPENDENCE, FAMILY AND EMPLOYMENT

(.5 credit; one semester) 9, 10, 11, 12

This semester course will cover all the main areas of Family and Consumer Sciences. Basic skill units will be food preparation and meal planning, clothing selection and construction, personal and family relations, child care, housing and careers in Family and Consumer Sciences. Technology-based learning will enhance student skills. 22201A001

390 CLOTHING AND TEXTILES 1 - (.5 credit; one semester) 10, 11, 12

Prerequisite: Life 1 or consent of instructor

This is a semester course offered to students who are interested in the study of clothing. An introductory unit covers the history of fashion, styles of clothing, and sewing techniques. Units include the study and selection of fibers and fabrics, including fabric construction techniques, and the development of sewing skills. Students will complete three sewing projects during the semester and use computers to enhance their learning.19201A001

391 CLOTHING 2 - (1 credit; one year) 10, 11, 12

Prerequisite: Clothing I, consent of instructor

This course provides opportunities for students to use technology to research clothing projects and to enhance sewing skills. Students will complete projects on color and design as well as projects on global clothing trends and clothing cultures. Other units will acquaint the students with careers in the retail clothing market. Resumes, cover letters, and interview techniques will be a part of this course and student will job-shadow in retail clothing stores. In addition, student learning will be enhanced by pertinent field trips to various clothing related businesses and guest speakers from the retail clothing field. THIS CLASS CAN BE COUNTED AS A FINE ARTS CREDIT. 19203A001

393 & 395 FASHION MERCHANDISING - (2 credits; one year) 11, 12

Prerequisite: Clothing I, consent of instructor

This course provides learning experiences for the student who is interested in fashion, clothing accessories, clothing construction, and work opportunities in the retail clothing field. Students will gain information about fashion, styles, clothing selection, textiles, and merchandising. They will have an opportunity to develop their sewing skills to advanced levels by constructing entrepreneurial projects throughout the year. Entrepreneur units will teach students marketing, design, manufacturing, and communications skills that will be used in the retail clothing world of work. Student portfolios will be kept by each student for future employment. Work experience in local businesses and business partnership arrangements will acquaint students with various retail clothing careers. Technology based learning will be an important part of this course. 12153A001, 19204A001

383 ADULT LIVING- (.5 credit; one semester) 11, 12

Utilizing a comprehensive text designed to help students meet the challenges of their daily lives with confidence. Students will learn basic information and practical skills related to such topics as interpersonal and family relationships, career preparation, life management, healthy living, foods and nutrition, and housing. The goal of this course to help or youth learn skills to help them to be successful in life. Much of our real life takes place outside of the the textbook and this course helps prepare the individual for the real tasks we need to complete day to day. Applying for a job, finding an apartment (the hidden costs of an apartment), how to go grocery shopping in a thoughtful and cost effective way, navigating the workplace professionalism, and communication skills. The class will include outside classroom experience in the community during the classroom hour including Kroger, housing sites, Marion Law Enforcement, and guest speakers from the fields. Many Junior-Senior students are living in a "social" world however they lack social skills, techniques, and tack in face-to-face encounters with adults, work, and relationships. This course offers the students a fun way to learn the facts of life and develop the tools to be successful in their life choices. 22207A001

381 PARENTING - (.5 credit; one semester) 11, 12

The course is designed to help teens strengthen the families they live in now and build strong families for the future. Special features throughout the chapters extend the content and offer opportunity for thought, discussion, and action through readings, self assessment, and hands-on activities. Students are able to discuss the difficult topics of relationships, partner selection, relationship skills, marriage development, and the skills to help or young society to navigate the difficulties of relationship, social pressures, and help them to make wise decisions. 22204A001

384 CHILD DEVELOPMENT - (.5 credit; one semester) 10, 11, 12

Current, comprehensive, and motivating course designed to maximize students' interest and learning about the study of child development, parenting, and child care. This course offers students information about children including their development, effective parenting or caregiver

techniques (Real Care Baby), and a fun and exciting classroom environment. **This is a prerequisite course for Child Care I/ Kiddie City 19052A001**

385 & 386 CHILD CARE I and II/ KIDDIE CITY- (2 credits; one year)11,12

(JALC Dual Credit Class)

Prerequisite: Child Development with acceptable grade, attendance record, selected by instructor.

This Junior-Senior class prepares individuals for their career and future through hands-on experiences and the wonder and excitement of working with children. Each day the student is learning the importance of professionalism, accountability, and responsibility through fun and fast paced curriculum that bring the textbook to life as a staff member of the laboratory school. Designed to help prepare individuals for a career in early childhood education, or a variety of areas working with children including pediatrics, social workers, guidance counselors, and speech and language development specialists. The course offers practical techniques to guide children through a variety of daily experiences in safe and educational ways. Hands on activities including shadowing local elementary educators, daycare providers, and Marion High Schools private education system, Kiddie City. The course provides college credit and a college prep portfolio to those completing the course. In addition staff will receive an honor cord for each year of service recognized by the ECE national association. Gateway will offer a four year 90% tuition college waiver for students majoring in Early Childhood Education for all Child Care students. 19054A001, 19055A001

COURSE SPECIFICS

385 Child Care I- ECE 160- Year One- 3 Hours College Credit

A foundation course in theory and principles of the development continuum, including an in-depth study of physical, social/emotional, cognitive, language, and aesthetic development; an examination of current research and major developmental theories encompassing birth through eight years of age. This course will include an exploration of child development within a socio-cultural context, such as gender, family, race, ethnicity, language, ability, socio-economics, religion, and society; and emphasis on the implications for early childhood professional practice. Students must be concurrently enrolled in ECE 161 Early Childhood Practicum; requiring 3 hours per week of hands on experience in the Kiddie City Child Development Lab.

386 Child Care II-ECE 151- Year Two- 3 Hours College Credit

This course provides an overview of the health, safety and nutritional needs of young children and early childhood practices to ensure children's well-being in group settings birth to age eight. Content includes roles and responsibilities of adults in meetings children's needs, healthy lifestyle practices, childhood illnesses and injuries, meeting health, nutrition and safety standards, and planning nutritionally appropriate meals. Information on program planning, curriculum, current issues, and parent education in regard to health and safety will also be discussed.

385/ 386 Child Care I/II-ECE 161- Senior Year- 1 Hour College Credit

This course is designed to provide students with hands-on experience in working with young children. Students will engage in the practical application of child development knowledge and professional teaching practices with infants, toddlers, and preschool children in Kiddie City Child Development Lab. The student will work with young children 2

hours per week under the direct supervision of a qualified professional. The college instructor will coordinate the learning experience, including performance assessments.

400 FOOD AND NUTRITION 1 - (.5 credit; one semester) 9, 10, 11, 12

This is a one semester course that is offered to students who enjoy cooking and are interested in the food industry. Course content would include decision making and time management skills, meeting health, safety and sanitation guidelines established by SERVESAFE, and demonstrating career readiness skills. Students will be introduced and encouraged to participate in FCCLA leadership activities. 16054A001

401 FOOD AND NUTRITION 2 - (.5 credit; one semester) 10, 11, 12 *Prerequisite: Foods I*

This is a second level foods course with more attention paid to food selection and preparation for special circumstances and dietary needs, as well as nutritional information. Course content would include selection, purchase, preparation, and conservation of food. Other topics would include trends in dietary healthcare and trends in regional and international cuisine. The focus of this course is on foods and nutrition services and its preparation for the pro-start service program. Students will be introduced and encouraged to participate in FCCLA leadership activities. 16054A002

402 & 404 PROSTART /FOOD SERVICE 1 & 2 - (2 credits; one year) 11, 12

Dual Credit with Rend Lake College (Culinary Math Credit)

Prerequisite: Food & Nutrition, consent of instructor

This course provides terminology, culinary math, and practical experiences needed for the development of culinary competencies and workplace skills. Additional topics include cost analysis, taking inventory, monitoring consumer and industry trends, and individualized mastery of culinary techniques. Students will be introduced and encouraged to participate in FCCLA leadership activities. 16052A001, 16055A001

422 Fire Science (2 credits; one year) Grades 11, 12

Prerequisite: Application and consent of instructor; Dual Credit with Rend Lake College

This course is designed to provide students with the skills needed to prevent and extinguish fires, maintain and repair fire service related equipment, provide basic emergency medical treatment, and prepare public service information concerning fires and hazardous materials. Instruction includes the physical characteristics of fire as well as general safety practices, basic fire behavior, and extinguishing principals. Students learn rescue and extrication procedures, types and use of ground ladders, proper ventilation techniques, appropriate use of various water systems, how to use ropes and tie knots, use of fire hoses, controlling property loss along with fire control techniques, detection systems, prevention practices and communication procedures. The course may also include procedures for operating emergency vehicles, maintaining fire-related equipment and vehicles in the field, and securing and protecting evidence. The topics of emergency medical techniques and practices which include medical legal considerations, terminology, airway management, procedures for treating poisoning and allergic reactions, environmental emergencies, how to treat soft tissue injuries, musculoskeletal, head and spine injuries, initial patient assessment, transportation, and emergency treatment will be discussed. 15152A001

HEALTH/DRIVER EDUCATION

Students and parents are encouraged to give time, thought, and attention to the selection of courses each year. Students are encouraged to make necessary schedule changes during the summer or the week prior to the start of school. All schedule changes must be made before the first day of school. If a student requests a schedule change after the start of the semester, the request will be denied unless unusual circumstances dictate that the change be made in the interest of the student's health or safety. No full year class may be changed at the semester unless the student is earning a D or an F. **No schedule changes will be made to change a student's lunch hour or to change teachers!**

All students are required to pass one semester of Health for graduation from Marion High School.

251 HEALTH - (.5 credit; one semester) 9

Health classes emphasize the everyday usefulness of health information and wise decision-making. Included are units in drugs, environmental health, alcohol, conflict resolution, communicable and degenerative disease, sexuality, mental health, the body systems, and nutrition. 08051A000

DRIVER EDUCATION (BTW) - (0 credit; 9 weeks) 9,10,11,12

Driver Education is a nine week course which runs in conjunction with the physical education class. An orientation will be conducted approximately 30 days before students will be enrolled in Driver Education. They will take their Rules of the Road test at this orientation. By law, students can obtain their permits 30 days before they are enrolled in the classroom. Students must also be 15 years of age before they can obtain their permits. Students, by law, must accrue 30 hours of classroom instruction, 6 hours behind-the-wheel, and 50 hours of supervised driving at home in order to be eligible for a driver's license. Units covered include: pre-start procedures, intersections, state and county highway driving, lane changes, up and down hill parking, turnabouts, backing, interstate and DUI. Student's Driver Education grade is figured in with the Physical Education grades for their semester grade. Driver Education enrollment is based on the oldest students getting in the class based on the birthdays of students in their physical education hour.

PHYSICAL EDUCATION

Students and parents are encouraged to give time, thought, and attention to the selection of courses each year. Students are encouraged to make necessary schedule changes during the summer or the week prior to the start of school. All schedule changes must be made before the first day of school. If a student requests a schedule change after the start of the semester, the request will be denied unless unusual circumstances dictate that the change be made in the interest of the student's health or safety. No full year class may be changed at the semester unless the student is earning a D or an F. **No schedule changes will be made to change a student's lunch hour or to change teachers!**

Physical Education Course Description

Yearly enrollment in physical education is required at Marion High School Unless a valid PE waiver is in effect. Students who are unable to take physical education must present a valid doctors/religious excuse **EVERY YEAR** to their counselor. The physical education department is committed to prepare our students for the 21st century using researched methods to be functional, independent, contributing individuals to our society. Students will assess their own health and fitness levels and develop a plan to maintain or reach optimal fitness and wellness. Students will learn the processes, physical components, and problem solving skills necessary to make proper adaptations to experience an active and physically rewarding lifestyle.

9/10 LIFELONG FITNESS- (Grade 9: .5 credit, one semester, Grade 10: 1 credit)

Students will be introduced to weight training, circuit training, HIIT, heart rate monitors, and other current fitness modalities to develop students flexibility, muscular strength, muscular endurance, cardiovascular endurance, coordination, as well as overall fitness knowledge. Class will develop students motor skills needed to perform a variety of physical activities and exercises. Students will be introduced to our MHS weight room, Cardio room and Fitness facility to increase safety, proper use and students comfort level with many different fitness modalities. Students will learn basic anatomy and physiology of exercise. Overall appreciation and awareness for lifelong fitness is emphasized. *4 days of fitness and 1 group game-day (subject to change)*

11/12 Lifelong Fitness

Students will utilize instructor led weight training, circuit training, HIIT, heart rate monitors, and other current fitness modalities to develop student's flexibility, muscular strength, muscular endurance, cardiovascular endurance, coordination, as well as overall fitness knowledge. Class will develop students motor skills needed to perform a variety of physical activities and exercises. Class emphasizes general knowledge of many different fitness modalities rather than targeting a certain way to become fit.

4 days of fitness and 1 group game-day (subject to change)

Strength and Conditioning- (Grade 9,10,11,12 co-ed student **athletes only**)

This course is designed for High School Athletes. Class will concentrate on muscular strength, balance, stability, mobility, speed and agility while utilizing the weight room and completing movement lessons designed to improve sport performance. The course will also incorporate nutrition and anatomy and physiology of exercise concepts as it relates to athletics. Students wanting to enroll should demonstrate strong self-discipline and commitment to exercise. *2-3 Weight Lifting days, 2 movement days (subject to change)*

Dance/Yoga/Body Sculpting (Grade 11,12 co-ed student)

Class will complete dance and body sculpting lesson using, Zumba, Hip Hop, Yoga, and Pilates, Tai Chi, and Piyo movement lessons to strengthen students cardio, muscle conditioning, balance and flexibility levels. Class may incorporate basic circuit training, Fitnessgram training components and possible group organized game play as well. Students will be expected to dance, and complete yoga and pilates movements in dance room as well as maintain a positive attitude and willingness to participate in all activities. *3-4 days of dance or body sculpting, 1 circuit day, 1 game day (subject to change)*

Sports Recreation and Fitness (Grade 11,12 co-ed student)

Each semester long class will focus on a variety of sports. Students will participate in game play to increase cardio endurance, coordination, and muscular endurance. Class may incorporate basic circuit training and Fitnessgram training components as well. Students will be expected to maintain a positive attitude and actively participate in all sports and activities offered for each semester. Tentative Fall Semester Sport focus- Soccer/Softball/Badminton/Volleyball. Tentative Spring Semester Sport focus- Hockey/Basketball/Track/Soccer. *3 days of active game play, 2 days fitness (subject to change)*

Advanced Weight Training (Grade 11,12 co-ed student)

Class utilizes weight training and proper movement techniques to provide students with the knowledge and experience to incorporate weight training as a lifelong activity. Students will set personal goals and create personal weight training workout plans. Students will be exposed to methods of objectively evaluating and creating lifting programs for muscular stability, muscular

strength, muscular endurance or power. Students will be expected to utilize the weight room properly and must be self-motivated and self-disciplined to reach their individual goals. 2-3 days weight training, 1-2 movement days, 1 game-day (subject to change)

FIRST SEMESTER

<u>252</u>	9/10 Lifelong Fitness PE
<u>254</u>	9/10 Lifelong Fitness PE/BTW
<u>282</u>	11/12 Lifelong Fitness PE
<u>284</u>	11/12 Lifelong Fitness PE/BTW
<u>256</u>	Strength and Conditioning
<u>258</u>	Strength and Conditioning PE/BTW
<u>274</u>	Dance/Yoga/Body Sculp.
<u>276</u>	Dance/Yoga/Body Sculp. PE/BTW
<u>278</u>	Sports Rec. & Fitness
<u>280</u>	Sports Rec. & Fitness PE/BTW
<u>286</u>	Advanced Weight Training
<u>288</u>	Advanced Weight Training PE/BTW

SECOND SEMESTER

<u>253</u>	9/10 Lifelong Fitness PE
<u>255</u>	9/10 Lifelong Fitness PE/BTW
<u>283</u>	11/12 Lifelong Fitness PE
<u>285</u>	11/12 Lifelong Fitness PE/BTW
<u>257</u>	Strength and Conditioning
<u>259</u>	Strength and Conditioning PE/BTW
<u>275</u>	Dance/Yoga/Body Sculp.
<u>277</u>	Dance/Yoga/Body Sculp. PE/BTW
<u>279</u>	Sports Rec. & Fitness
<u>281</u>	Sports Rec. & Fitness PE/BTW
<u>287</u>	Advanced Weight Training
<u>289</u>	Advanced Weight Training PE/BTW

ADDITIONAL ELECTIVE CHOICES

500 YEARBOOK PRODUCTION I- (1 credit; 1 year) 9,10,11,12

Prerequisite: Application packets due in February; consent of instructor

Students will learn the procedures in producing the annual high school yearbook. Experiences include acquiring and editing photographs, selling advertising space, creating business advertisements, creating and maintaining file system, writing captions for photographs, writing story copy, developing the theme for the yearbook and researching current design trends. Emphasis will also be given to essential business “soft skills” such as phone etiquette, working as part of a team, developing goals and determining time management components. Strict adherence to deadlines will be followed and participation in activities outside of class will be required. Class size is limited. 10005A001

501 MEDIA RESOURCE - (1 credit; one year) 11, 12

Prerequisite: Consent of instructor

Students will gain knowledge of how a modern library system works. They will use the technology of the library systems and assist other students in finding research materials. Previous attendance records will be important in selecting students for this course. 22053A000

502 OFFICE OCCUPATIONS - (1 credit; one year) 11, 12

Prerequisite: Consent of Principal and Office Staff

Students will assist in high school office procedures such as answering telephones, collecting attendance folders, delivering messages, and offering assistance to high school visitors and new students. Previous attendance and discipline records will be important in selecting students for this course. 22051A000

1 ROTC 1 (RESERVE OFFICER TRAINING CORPS-1) – (1 credit; one year) 9, 10, 11, 12

Air Force Junior Reserve Officer Training Corps (ROTC) I courses include both aerospace studies and leadership/life skills education. In these courses, leadership/life skills lessons cover the heritage and development of the Air Force, including its structure, operations, customs, and courtesies. Aerospace topics include the development, history, and impact of flight; aircraft and spacecraft; and the environment in which these crafts operate.09151A000

2 ROTC 2 (RESERVE OFFICER TRAINING CORPS-2) – (1 credit; one year) 9, 10, 11, 12

Prerequisite: CONSENT OF THE INSTRUCTOR

Air Force Junior Reserve Officer Training Corps (ROTC) II courses include both aerospace studies and leadership/life skills education. In these courses, leadership/life skills lessons cover intercommunication skills, drill, and military ceremonies. Aerospace topics emphasize the science of flight, including factors of aerospace power, aircraft flight, and navigation.09152A000

3 ROTC 3 (RESERVE OFFICER TRAINING CORPS-3) – (1 credit; one year) 9, 10, 11, 12

Prerequisite: CONSENT OF THE INSTRUCTOR

Air Force Junior Reserve Officer Training Corps (ROTC) III courses include both aerospace studies and leadership/life skills education. These courses continue to develop students' life and leadership skills and the ways in which they apply to military life. Aerospace topics emphasize space technology and exploration; examine national defense systems; and advance students' knowledge of aviation, propulsion, and navigation.

4 ROTC 4 (RESERVE OFFICER TRAINING CORPS-4) – (1 credit; one year) 9, 10, 11, 12

Prerequisite: CONSENT OF THE INSTRUCTOR

Air Force Junior Reserve Officer Training Corps (ROTC) IV courses include both aerospace studies and leadership/life skills education. The life skills education portion of these courses concentrates on leadership and management principles and career opportunities, and aerospace topics include advanced aerodynamics and aeronautics. Course content may also cover elements of national power and relationships between the nations of the world.

SPECIAL EDUCATION DEPARTMENT

A referral must be initiated before a student can be considered for special education services. After a complete battery of testing by a psychologist and a multi-disciplinary staffing is held to determine eligibility, if the student is found *eligible and the parents agree, placement of the student is made*. An individual educational plan (I.E.P.) is on file for every student in the special education program. This plan is developed within the context of courses which are offered in the special education program. Special education students must meet the same graduation requirements that all students must achieve.

<u>4500</u>	Study Skills (9-12)	<u>4520</u>	Algebra 1
<u>4501</u>	English 1	<u>4521</u>	Geometry
<u>4502</u>	English 2	<u>4522</u>	Algebra 2
<u>4503</u>	English 3	<u>4523</u>	Math Connections
<u>4504</u>	English 4	<u>4530</u>	Global Studies
<u>4510</u>	Physical Science A	<u>4531</u>	American History
<u>4511</u>	Physical Science B	<u>4532</u>	Consumer Economics
<u>4512</u>	Biology	<u>4560</u>	Civics
<u>4598</u>	CVE Class		
<u>4599</u>	CVE		

Required Credits	<u>27</u>
English	4
Math	3
Science	2
Global Studies	1
American History	1
Physical Education (enrollment required)	
Consumer Economics	½
Civics	½
Health	½
Electives	

We offer these courses in summer school for students interested in freeing up extra periods:

Global Studies
American History
Consumer Economics
Government or Civics
Health

Honors Course Offerings:

English I, II, III, IV
Geometry
Algebra 2

AP Offerings:

Art	Chemistry
Biology	Calculus
World History	American History
Economics	Language and Composition
–Micro/Macro	Statistics

Yearly Schedule Planning

Year

9th Grade

- 1 credit 100 English 1 OR 101 Honors English 1
- 1 credit 154 Algebra OR 1 credit 168 Honors Geometry
- 1 credit 213 & 214 Physical Science A/B OR
1 credit 202 Biology
- ½ credit 251 Health AND
½ credit of PE-see page 42 for choices
- Elective
- Elective
- Elective

10th Grade

- 1 credit 103 English 2 OR 104 Honors English 2
- 1 credit 167 Geometry OR 1 credit 168 Honors
Geometry
OR 1 credit 155 Algebra 2
- 1 credit 202 Biology OR 1 credit Science Electives
- 1 credit 176 Global Studies
- 1 credit of PE-see page 42 for choices
- Elective
- Elective

Year

11th Grade

- 1 credit 105 English 3 OR 133 Honors English 3
 - 1 credit 155 Algebra 2 OR 1 credit 157 Pre-Calculus OR
1 credit of 169 Statistics
 - 1 credit 178 American History
 - ½ credit of Consumer Economics/ ½ credit Elective
 - 1 credit of PE-see page 42 for choices
 - Elective
 - Elective
- (Consumer Economics can be waived if Business Concepts 1 & 2 are completed successfully)*

12th Grade

- 1 credit of Grade 12 English Electives
- 1 credit of PE-see page 42 for choices
- ½ credit 180 CIVICS/ ½ credit Elective
- Elective
- Elective
- Elective
- Elective

INFORMATION IN THIS COURSE DESCRIPTION BOOK ARE SUBJECT TO CHANGE AS THE NEEDS OF OUR STUDENTS ARE DETERMINED