

MARION HIGH SCHOOL

2022-2023

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.

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

GUIDANCE DEPARTMENT

Guidance Phone: 993-8196 ext. 506

Toby Misner, Director	ext. 486	10-12 (A-F)
Brittany Willis	ext. 484	10-12 (G-N)
Bart Sinks	ext. 487	10-12 (O-Z)
Michele Tate	ext. 485	9 (All Students)

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

Marion High School Dual Credit Cohort Program

ATTENTION INCOMING JUNIOR AND SENIOR STUDENTS:

In conjunction with John A. Logan College students will have the opportunity to enroll in two college level courses per semester as part of their school day in which students can earn up to 12 credit hours. These credits will be IAI level courses which are approved credit level courses that will transfer to ANY state university in Illinois. Many other colleges and universities will accept these credits as they are very common general studies courses. It is up to the student to contact the intended university which he/she may attend to see how these credits would be considered. The credits earned in these courses will accumulate in high school credit as part of the students regular 7 period day(2 periods of the student's 7 each semester), as well as college credit at John A. Logan College. Please be mindful this course work will be considered in a student's college G.P.A. as well as the student's high school G.P.A. These courses will be taught at the college level and may be considerably more difficult than the traditional high school course. Approximate fees for the classes will be \$15 x 4=\$60. Book Rental/Purchase will be the responsibility of the student. The district may provide some financial scholarships to assist with these costs. Tuition will be covered as part of the agreement MHS has with John A. Logan for dual credit students. (Approx. savings of \$1260) Tentatively, the students would be required to take all 4 courses as part of this program(Psychology, Sociology, Speech, and Western Civilization). We encourage students and parents to contact MHS guidance with questions. An application must be on file and approved in order to participate in this program.

MARCHING WILDCAT BAND CREDIT

Participants in Marching Wildcat Band during the **Freshman through Senior year** will have the option of taking a P.E. class for credit OR waiving P.E. for participating in the Marching Band. **Waiving P.E. OR earning credit for Marching Band can only be earned during the fall semester. Students must enroll in Band as a class in order to waive PE, OR enroll in the Marching Band PE credit if student ONLY wishes to participate in fall**

Marching Band (not enrolling in Band as a class). Color Guard students should also enroll to receive credit. Failure to complete the season constitutes a failing grade (grade of F) for the Marching Band PE **credit**. The prerequisite for enrollment in Marching Band is participation in the Marching Band during the previous school year or consent of the Band Instructor.

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 volunteer hours (approved site), or the American School (correspondence coursework). 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 and

Composition, Literature, 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, Health, Driver Education, Remedial English, Remedial Algebra I, and Remedial Physical Science. Summer school registration will be announced at a later date. **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.** Course sizes are limited. Payment in full is required to sign up for a summer school class. Cost is \$50 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 noncredit courses in college in order to meet the course pattern requirement.

JOHN A. LOGAN COLLEGE DUAL CREDIT CLASSES

Students should understand these courses are college level rigor. Any courses taken could impact your high school and your college transcript. For all dual credit classes, all students in the class must meet the college entrance requirements. (Application, appropriate test score either from Accuplacer or ACT/SAT, and any other necessary documents). Sophomores will require additional paperwork in order to be enrolled in dual credit courses.

RTI INTERVENTION COURSES

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

Prerequisite: Recommendation by 8th Grade Assessments

This class counts as an elective credit towards graduation but does not count as an English credit.

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 class will introduce and reinforce skills needed for the successful completion of the required English I course.** This course is designed for the hard-working, yet academically challenged student desiring success. 01068A000

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

213 MATH ENRICHMENT - (1 credit; one year) 9

Prerequisite: Recommendation by 8th Grade Assessments

This class counts as an elective credit towards graduation but does not count as a Math credit.

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. The ALEKS research-based computer math program is also used to bridge gaps in mathematical deficiencies.

52039A000 *****Students may be eligible to exit course at the semester provided they have successfully met all exit criteria. *****

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 the 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 09/25/22, sign up for 1st semester PE/DE. If you will be 15 between 09/26/22 and 03/08/23, sign up for 2nd semester PE/DE.

COURSE OFFERINGS

<p>ENGLISH (Pg. 11) English 1 English 2 English 3 English 4 Honors English 1 Honors English 2 Advanced Placement Literature Advanced Placement Language & Composition (Dual Credit) Greek/Roman Mythology Oral Communications 1 English Enrichment Creative Writing Technical Writing</p> <p>WORLD LANGUAGES (Pg. 14) Spanish 1,2,3,4 Latin 1,2,3,4 Classical Texts in Translation Debate Basics of World Language Readings in Spanish</p> <p>MATHEMATICS (Pg. 17) Algebra 1 Geometry Honors Geometry Algebra 2 Honors Algebra 2 Advanced Placement Statistics Algebra 2 Prep Mathematics for Applied Tech Pre-Calculus Advanced Placement Calculus College Algebra Math Literacy (JALC 052/062)</p> <p>SOCIAL STUDIES (Pg. 19) Global Studies American History</p>	<p>SCIENCE (Pg. 21) Earth Science Physical Science Environmental Science Biology Advanced Placement Biology Anatomy & Physiology Introduction to Robotics Chemistry Advanced Placement Chemistry Physics Bio Science & Ag Applications Astronomy Lab Science (Forensic Science) Animal Science</p> <p>BUSINESS (Pg. 25) Digital Citizenship for Freshman/Sophomores Business Concepts 1 & 2 Medical Terminology Programming and Video Game Design I & II 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 Accounting 1 Accounting 2 Marketing & Business Ownership Social Media Marketing Entrepreneurship Cooperative Career & Technical Education (CCTE) Investments Investments II Computer Maintenance & Networking</p>
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<p>Advanced Placement American History Civics Sociology Psychology Advanced Placement World History Advanced Placement Macroeconomics</p> <p>FINE ARTS (Pg. 32) Art 1,2,3,4 3D Art 1 Ceramics Commercial Art 1&2 Beginning Digital Graphics Beginning Photography Commercial Photography 1 Advanced Placement Studio Art</p> <p>CAREER/TECHNICAL (Pg. 37) Consumer Economics Auto Mechanics 1 Transportation/Auto Tech 1 & 2 Introduction to Car Care & Maintenance Introduction to Agriculture Industry Animal Science Biological Science & Ag Application Veterinary Technology Horticultural Production & Management 1&2 Drafting 1 Drafting 2 Introduction to Technology and Engineering Computer Aided Drafting 1 & 2 Introduction to Construction Carpentry 1 Building Trades 1 & 2 Beginning Welding Welding 1, 2 & 3 Manufacturing 1 & 2 (at Herrin H.S.) Orientation to Health Careers Health Science Careers Certified Nursing Assistant Introduction to Family Consumer Sciences Adult Living Parenting Child Development</p>	<p>C.A.T.S. Computer and Technical Support Sports and Entertainment Business Advanced Placement Microeconomics Principles of Management Digital Video Production Broadcast Technology I and II</p> <p>Musical Fine Arts (Pg. 34) Advanced Placement Music Theory Music History Concert Choir 1 Concert Choir 2 Chamber Ensemble Band Music Appreciation</p> <p>HEALTH/DRIVER EDUCATION (Pg. 47) Health Driver Education</p> <p>PHYSICAL EDUCATION (Pg. 48) Lifelong Fitness 9/10 Lifelong Fitness 11/12 Strength and Conditioning (Athletes Only) Yoga Body/Sculpting 11/12 Sports Recreation and Fitness</p> <p>ADDITIONAL ELECTIVES (Pg. 50) Yearbook Production 1 Media Resources Office Occupations ROTC 1-4</p> <p>SPECIAL EDUCATION CLASSES (Pg. 51)</p> <p>*DUAL CREDIT COURSES Accounting 1, 2 Advanced Computer Concepts Cooperative Career & Technical Education Certified Nursing Assistant Child & Day Care Services 1 & 2 Drafting 2 Computer Aided Drafting 1 & 2 Language & Composition</p>
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Childcare 1 & 2/Kiddie City Clothing & Textiles 1 & 2 Fashion Merchandising 1 Food & Nutrition 1 & 2 Pro-Start Food Services 1 & 2 Construction Craft Preparation Program	Welding 2 Technical Writing Pro-Start 1 & 2 (RLC) College Algebra Principles of Management Marketing and Business Ownership Music Appreciation
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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 a 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 a C average in the Honors courses in order to remain in the program. Students must re-apply for Honors courses each year.**

101 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 some 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

111 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

102 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. 01002A000

112 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

103 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

113 ADVANCED PLACEMENT LITERATURE– (1 credit; one year) 11 (1.0 weight) (NCAA Core)

Prerequisite: Recommended A or B in previous English class; Prior participation in the Honors English program is NOT required.

Designed for the serious student of literature, this class will work in conjunction with the Language and Composition course to prepare college bound students for the rigors of college coursework as well as the AP English Literature 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. Students must maintain a C average in the course in order to remain in the AP program. 01003A000

104 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

***114 ADVANCED PLACEMENT LANGUAGE AND COMPOSITION**– (1 credit; one year) 12 (1.0 weight) (NCAA Core) (JALC Dual Credit ENG 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 (480 minimum score on the ERW section of the SAT) , 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 a wide variety of primarily nonfiction texts, analyzing visual media, honing college level research skills, and writing for a variety of purposes. Students who pass with a C or better may earn college credit. Summer reading and writing may be required. Students can earn dual credit at JALC or other participating institutions. 01005A000

120 GREEK AND ROMAN MYTHOLOGY-(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. 01061A000

121 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

122 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

123 TECHNICAL WRITING – (.5 credit; one semester) 11, 12

(JALC Dual Credit =113 which is the equivalent to English 101)

There is no specific ACCUPLACER placement score required

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. 01105A000

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.

523 BASICS OF WORLD LANGUAGE (0.5 credit; one semester) 9, 10, 11, 12

Prerequisite: Students must have a recommendation from a foreign language teacher and permission from the instructor to enter this class.

This semester-long course is designed for the beginning language student. Course content focuses on basic vocabulary in both Spanish and Latin, basic study skills for a world language course, and essential cultural information relevant to each language. Active participation in this course will prepare a student to be successful in Spanish I or Latin I. This course is only offered as an elective credit; it will not take the place of Spanish I/Latin I or higher as foreign language credit. 06999A000

524 READINGS IN SPANISH (0.5 credit; one semester) 10, 11, 12

Prerequisite: Spanish I (with a grade of A) or Spanish II (with a grade of B or higher)

This semester-long course is designed to help students develop proficiency in Spanish reading. Students will read contemporary as well as classic literature, adapted to student level, from Spain and Latin America. Students should enter the course with a broad base of vocabulary and a willingness to learn more as they go. Genres may include: novels, short stories, newspaper articles, and biographies. This course is not focused on Spanish grammar, though it may be discussed incidentally to the material covered. This course is only offered as an elective credit; it will not take the place of Spanish I or higher as foreign language credit. 06109A000

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

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

This course is an introduction to Spanish. Students learn new vocabulary and basic grammar. Students will learn to discuss in Spanish matters of everyday interest, such as the weather, likes / dislikes, school, descriptions, family, etc. There is a focus on acquiring proper pronunciation as students begin to

develop speaking, listening, reading and writing skills in the Spanish language. Some cultural content is covered, including holidays, food and art. 06101A000

502 SPANISH II - (1 credit; one year) 9, 10, 11, 12 (NCAA Core) *Prerequisite:*

Students should have at least a C average in Spanish I.

Students begin a more in-depth study of Spanish grammar and vocabulary necessary to discuss more complex ideas such as asking for and giving directions, shopping, narration of past events, etc. Students are asked to produce increasingly more written and spoken Spanish, as well as demonstrate more advanced reading and listening comprehension. Cultural and historical content is often presented in the target language. 06102A000

***503 SPANISH III** - (1 credit; one year) (0.5 weight) 10, 11, 12 (NCAA Core)

Prerequisite: Students should have at least a B average in Spanish II.

This course includes study of advanced grammatical structures, as students continue to develop increasingly advanced reading, listening, speaking and writing skills in Spanish. This course includes cultural and historical study, with a focus on Spanish art. Cultural and historical content is presented in the target language, and students will be asked to speak and write about more complex ideas such as the art and history studied in class, giving recommendations for a healthy lifestyle, friendship, getting a job, serving the community, etc. 06103A000

***504 SPANISH IV** - (1 credit; one year)(1.0 weight) 11, 12 (NCAA Core)

Prerequisite: Students should have at least a B average in Spanish III.

This course is a continuation of Spanish III, as students continue the study of increasingly advanced grammatical structures. Students will be asked to produce more spoken and written Spanish about a variety of topics, as well as demonstrate an advanced level of listening and reading comprehension. This course includes extensive historical and cultural study, with all said content presented in the target language. Students will study pre-Colombian civilizations, the history of Spain and the contributions of the Moors and Romans to modern day Spain, the conquest of Mexico and how that encounter forever changed the world. Students will also read a student adaptation of Don Quijote de la Mancha by Miguel de Cervantes. Students will be required to participate in monthly conversations in the target language with a native speaker of Spanish through a conversational platform called Boomalang. Seal of Biliteracy testing is offered to fourth year students and may be used to earn university credit, per Illinois school code 105 ILCS 5/2-3.159. 06104A000

511 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

512 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

513 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, voice and mood in the Latin Language. 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 during the early Empire. 06303A000

514 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 complete their study of Latin grammar and begin to read authentic texts from Cicero, Caesar, 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

521 CLASSICAL TEXTS IN TRANSLATION - (0.5 credit; one semester) 9,10,11,12 (NCAA Core)

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

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. 06321A000

522 DEBATE - (0.5 credit; one semester) 9,10,11,12 (NCAA Core)

Prerequisites: Student should have at least a B average in English

Students will practice **speaking and research** 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. 0115

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 Algebra 2 Prep Mathematics for App Tech	Pre-Calculus Statistics College Algebra Math Literacy Mathematics for App Tech
Honors Geometry	Algebra 2 Honors Algebra 2	Pre-Calculus AP Statistics	AP Calculus AP Statistics Pre-Calculus Math Literacy

201 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

202 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

203 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

204 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

205 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

206 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

207 ALGEBRA 2 PREP: (1 credit; one year) 11

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

209 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

210 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

***211 COLLEGE ALGEBRA** - (1 credit; one year) 12

Prerequisite: Algebra 2 (JALC Dual Credit MAT 108)

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. 02057A000

212 MATH LITERACY - (1 credit; one year) 12 (JALC MAT 052/062)

This is a Senior only class for students hoping to attend John A. Logan College after graduation. Successful completion of this course will allow students to earn direct entry into a credit level math class at JALC. Further, successful completion could potentially allow kids to skip up to 4 non-credit courses at JALC. 02061A000

***** MATHEMATICS FOR APPLIED TECHNOLOGIES - (1 credit; one year) 11,12**

Prerequisite: Algebra 1 and Geometry

This is a basic mathematics course for the vocational-technical student. It is not designed for college transfer. This course improves the mathematical skills necessary for a wide variety of trade, technical and other occupational areas, including automotive, electrical, construction, plumbing, HVAC and many more. This course begins with very basic mathematics and progresses through to geometry while stressing a wide variety of real problems and situations to improve on-the-job mathematical skills. **NEED NUMBER**

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 Civics, and one semester (or equivalent) of Consumer Economics.

401 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

402 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

403 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

404 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

405 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

406 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

407 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

409 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	Earth Science Physical Science	Biology Biological Science & Agri. Applic.	Chemistry Astronomy Environmental Lab Science Introduction to Robotics	Physics Chemistry Astronomy Environmental Lab Science Anatomy & Physiology Biological Science & Agri. Applic. Introduction to Robotics
Seek Technical or Vocational Training in other than a four-year college program	Earth Science Physical Science Biology	Biology Chemistry Introduction to Robotics Biological Science & Agri. Applic.	Chemistry Physics Astronomy Environmental Lab Science Anatomy & Physiology Biological Science & Agri. Applic. Animal Science Introduction to Robotics	Physics Chemistry Astronomy Environmental Lab Science Anatomy & Physiology Biological Science & Agri. Applic. Animal Science Introduction to Robotics
Four-year college or university program	Earth Science Physical Science Biology	Biology Chemistry Introduction to Robotics	Chemistry Physics Astronomy Environmental Lab Science Anatomy & Physiology AP Biology AP Chemistry Biological Science & Agri. Applic. Animal Science Introduction to Robotics	Physics Chemistry Astronomy Environmental Lab Science Anatomy & Physiology AP Biology AP Chemistry Biological Science & Agri. Applic. Animal Science Introduction to Robotics

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 Biology.

301 EARTH SCIENCE - (.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, climate and human activity. 03159A000

302 PHYSICAL SCIENCE - (.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

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

Prerequisite: Earth and Physical Science or concurrently with Earth and Physical Science

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

307 INTRODUCTION TO ROBOTICS (.5 credit; 1 semester) 10, 11, 12

Prerequisite: The student needs to have earned a B or greater in Algebra 1 or have the consent of the instructor.

Robotics is a lab-based course that uses a hands-on approach to introduce the basic concepts of robotics, focusing on the construction and programming of autonomous mobile robots. The class utilizes Arduinos, Lego Mindstorm kits, NXT Software, and various Lego Robotics materials. Topics may include motor control, gear ratios, torque, friction, sensors, timing, and program loops. Student robots will be designed, built, tested, and programmed to compete in various scenarios.

21009A000

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

Prerequisite: Pass with a C or better in Biology or consent of instructor; Chemistry recommended

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

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

Prerequisite: Chemistry and Biology Recommended

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

308 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

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

Prerequisite: Chemistry and Algebra 2 Recommended

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

310 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

313 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

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

Prerequisite: Two years of high school science

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

315 ANIMAL SCIENCE - (1 credit; one year) 11,12 18105A001

Prerequisite: Biology I or BSAA or consent of instructor

This course will develop students' understanding of the livestock (beef, dairy, sheep, goats, and swine), poultry, and large (equine) animal industry. Topics of instruction include scientific investigations, genetics, animal anatomy and physiology, animal nutrition, animal reproduction, animal health, and meat science. Improving computer and workplace skills will be a focus. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects in an integral course component for leadership development, career exploration and reinforcement of academic concepts.

303 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

311 & 312 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 the 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

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!**

715 DIGITAL CITIZENSHIP FOR FRESHMAN & SOPHOMORES - (.5 Credit; one semester) 9, 10

This course is designed to emphasize necessary technology skills to be successful in high school. Students will utilize 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. 10008A001

705 MOBILE APPLICATION DEVELOPMENT (.5 Credit, One Semester) 10, 11, 12

Prerequisite: Digital Citizenship, or consent of instructor

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. Mobile Application will be offered in even years. 10011A001

732 INTRODUCTION TO KEYBOARDING & COMPUTER APPLICATIONS –

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

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

704 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 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. 22151A001

723 MEDICAL TERMINOLOGY - (1 credit; one year) 10, 11,12

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. 14154A000

731 Programming and Video Game Design I (FALL SEMESTER)-(1/2 credit; one semester) 11, 12

Prerequisite: Instructor consent and successful completion of 2 computer science credits from any of the following courses - Intro. to Multimedia, Advanced Multimedia, Computer Maintenance 1, Computer Maintenance 2, Computer And Technical Support, Computer Concepts, Advanced Computer Concepts, Web Design, Mobile Applications, Digital Citizenship

Video Game Design and Programming I is the skill-level course designed to develop computer programming and program design skills through the use of programming languages such as Visual Basic, C#, Java, and other object-oriented languages. Students will be exposed to the fundamentals of system analysis and design (e.g. flowcharting, diagramming, system design and planning), and the systems development life cycle. Instruction will include basic programming tools that are common to many programming languages. These may include items such as input /output statements, constants, assignment statements, string and numeric variable types, conditional processing, and branching and looping control structures. Students will learn programming techniques such as counting, averaging, rounding, and generation of random numbers to develop a good programming technique. Students will apply what they learn to create programs and applications that solve real-world business-related problems. Students will create programs to store, locate and retrieve data. 10152A001

732 Programming & Video Game Design II (SPRING SEMESTER)-(1/2 credit; one semester) 11, 12

Prerequisite: Successful completion of Programming and Video Game Design I

Video Game Design and Programming II is a skill-level course for students who have completed Video Game Design and Programming I. Students will use procedural and object-oriented programming languages such as Visual Basic, C# and Java. Students will learn programming concepts such as inheritance and polymorphism, advanced data handling (pointers, arrays, strings, and files), and common algorithms (recursion, searching and sorting). Students will be able to write, compile, run, test, debug and modify programs and applications that solve real world problems. Problem examples may include tracking inventory, scheduling rooms and facilities, accessing information and performing calculations. Students will use their learned skills to use available software to create, test, troubleshoot, and debug self created video games and applications. 10152A002

721 & 722 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 skill-level course which provides background and hands-on knowledge in the use of computers and other technology for professional website creation, design, and publication. Web-authoring software utilized includes the Adobe Software Suite which includes Adobe Dreamweaver, Flash Professional, and Photoshop. Concepts of XHTML Code will be introduced. Instruction will include using multimedia authoring applications to create a web site that combines text, hyperlinks, images, video, and sound. Instruction will include using hardware and software to capture, edit, create, and compress audio and video clips as well as create animated text, graphics, and images. Other topics will include using tables to align images with text, creating newspaper-style columns, and inserting side menus and call-outs. Students will learn how to use templates, cascading style sheets and interactive elements to enhance web pages. Students will learn to create dynamic forms that include multiple -choice questions, comment boxes, and buttons. Students are encouraged to develop a portfolio

project that demonstrates their expertise in areas such as multimedia authoring, web development, audio and video editing to create interactive web pages. Students may have the opportunity to take the Adobe Dreamweaver certification test upon successful completion of the course material. Units involving new technological advances including 3-D printing will be included. Students may have the opportunity to utilize a 3-D printer for specific projects. 10201A002

***724 & 725 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

701 BUSINESS CONCEPTS 1- (.5 credit; one semester) 9, 10,11, 12

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

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

Personal finance topics will be introduced which include consumer purchases, credit and money management. Business communications and business computations are integrated throughout the course. Students passing Business Concepts I & II meet the consumer economics requirement. 12051A001

703 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. 12163A001

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

Prerequisite: One semester Keyboarding or Proficiency

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.

***712 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 are 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 addition to demonstrating basic competency in using Microsoft Office applications and Windows, preparation for Microsoft certifications in Word and Excel may be obtained. 10005A001

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

Prerequisite: Intro. To 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. 10203A001

717 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. 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. 10203A001

713(1ST SEM.) 714(2ND SEM.) COMPUTER MAINTENANCE & NETWORKING– (.5 credit each; one semester each)

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

Students learn how to connect and install multiple computers and peripherals together to create a Google Education computer network. Students build, configure, and maintain network servers along with installing and configuring Chrome Operating Systems. Students learn to use troubleshooting applications and services, system monitoring utilities, and data backup and recovery systems. Other topics include learning how to connect various network components such as servers, computers, and printers together using data cabling, hubs, and switches. Students learn to run, terminate, and troubleshoot data cabling. In addition, students learn how to install and upgrade software across the network, as well as map drives and share resources such as printers, software, and files. The course includes setting up and configuring various network services such as TCP/IP, DHCP, DNS, VPN, terminal services, e-mail, user accounts and web services. Students learn how to secure and protect network servers and data as well as setting up and configuring a firewall, intrusion detection system, and encryption software for identifying and preventing potential network attacks. 10252A002

709 ACCOUNTING 1 – (1 credit; one year) 10, 11, 12 (JALC Dual Credit 11-12, 10 with required documentation, 3 credits)

This course assists students pursuing a career in business, marketing, management, and accounting. This course includes experiences that develop initial and basic skills used in systematically computing, classifying, recording, verifying, and maintaining numerical data involved in financial and product control records including the paying and receiving of money. The course involves keeping financial records, summarizing them for convenient interpretation, and analyzing them to provide assistance to management for decision making and will stress basic fundamentals and terminology of accounting, budget and financial report preparation, payroll, operation of business technology, and career opportunities in the accounting field. 12104A001

710 ACCOUNTING 2 – (1 credit; one year) 11, 12 (1.0 weight) (JALC Dual Credit 11-12, 6.0 credits)

Prerequisite: Accounting I or Consent of Instructor

This course is designed to help students develop deeper knowledge of the principles of accounting with more emphasis being placed on financial statements and accounting records. It is a study of previously learned principles as they apply to the more complicated types of business organizations, specifically partnerships and corporations. Career exploration will include cost, tax, and payroll accounting. Practice sets will be used to simulate business conditions for accounting as well as developing skills in the entry, retrieval, and statistical analysis of business data using computers for accounting business applications. This course is designed as the initial college-level course in financial accounting and as a foundation for future study in economics or business. The modules of study include but are not limited to 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

706 INVESTMENTS – (.5 credit; one semester) 10, 11, 12

This course provides students with an overview of financial institutions and the services they offer. Course content will include various checking, savings, and investments vehicles including tax incentive

investments, retirement plans, mutual funds, and the stock market. Government regulation, financial institutions and investing will also be covered. 12101A001

707 INVESTMENTS II – (.5 credit; one semester) 10, 11, 12

This course focuses on modeling financial decisions (borrowing, selling equity or stock, lending or investing) typically undertaken by businesses and the investment opportunities they hold. Topics will include raising, distributing and using financial resources while managing risk and will include real estate investments, bond markets and the stock market. 12103A001

730 PRINCIPLES OF MANAGEMENT – (.5 credit; one semester) 10, 11, 12 (JALC Dual Credit 11-12, 10 with required documentation, 3 credits)

This course is designed to provide students an understanding of the U.S. business system, its organizations, and its management. Students will examine the various leadership and management styles of a variety of successful business organizations, large and small. Students will be introduced to the concepts, terminology, principles, practices and techniques of management. Emphasis is placed on managing in a diverse, global, technologically driven, fast-changing economic environment, and employer-employee relationships. The four basic management functions of planning, organizing, leading, and controlling will be explored in the course. 12055A002

720 MARKETING AND BUSINESS OWNERSHIP – (1 credit; one year) 10, 11, 12 (JALC Dual Credit 11-12, 10 with required documentation, 3 credits)

This comprehensive course focuses on the wide range of factors that influence the flow of goods and services from the producer to the consumer. Topics include the function and scope of business, advertising, the marketing mix, market research, sales, promotions, pricing, displays, purchasing, human relations, and economics. 12152A001

708 SOCIAL MEDIA MARKETING – (1 credit; one year) 11, 12

Prerequisite: Consent of Instructor

This course addresses social media as a marketing tool and emphasizes social media tools, social media messages, and search engine optimization. Topics include marketing information management, market planning, channel management, sales, promotion, and product/service management. The students enrolled in this course will serve as the social media interns who manage the MHS social media accounts. 12169A001

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

Advanced Placement Microeconomics is designed to parallel college-level microeconomics. AP Microeconomics provides students with a thorough understanding of the principles of economics that apply to the functions of individual decision makers (both consumers and producers). Primary emphasis will be placed on the nature and functions of product markets, while also including a study of factor markets and the role of government in the economy. 1215A001

Advanced Placement Macroeconomics will be offered in alternate years with Advanced Placement Microeconomics so that AP Microeconomics will be offered in school years beginning with an even number and AP Macroeconomics will be offered in school years beginning with an odd number. 1215A001

726 ENTREPRENEURSHIP - (1 credit; one year) 11, 12

This course will acquaint students with the knowledge and skill necessary to own and operate their own business. Content will include economics, marketing, human relations and psychology, legal environment of business, business and financial planning, accounting, and communications. Students will write a business plan, research product-market fit, design a business business model, develop a website and social media campaign, create an investment pitch deck which includes financial ratios and project income statements, and consider government compliance issues. The capstone project will include applying for startup capital, launching the business, and participating in a community-wide business showcase. 12053A001

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

Prerequisite: **Consent of Instructor.**

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. The Adobe Creative Suite will be utilized for video production. 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. 10201A001

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

Prerequisite: **Consent of Instructor.**

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. Adobe Creative Suite will be used to create 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. 11051A001

729 BROADCAST TECHNOLOGY II - (1 credit; one year) 12

Prerequisite: **Consent of Instructor.**

This course is a continuation of Broadcast Technology 1. In addition to expanding on the activities explored in the first course, students will work in an independent, team-based environment to create a variety of audio & video related broadcasts. Instruction includes single & multi camera operations, nonlinear editing, and animation graphics. The Adobe video production suite will be utilized and students may work toward Adobe certification. Emphasis will again be 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. 11051A002

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

912 BEGINNING DIGITAL GRAPHICS - (.5 credit; one semester) 9, 10, 11, 12

The Beginning Digital Graphics course provides students with the opportunity to explore the **capability of digital media to produce** visual communications. Students will produce work that applies graphic design techniques through various career paths such as advertising, commercial art and design, video, and architectural design. Course topics will include the use of **Adobe Creative Cloud to render modeling, simulation, animation, and image retouching.** 10202A002

913 BEGINNING PHOTOGRAPHY - (.5 credit; one semester) 9, 10, 11, 12

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

914 COMMERCIAL PHOTOGRAPHY 1 - (.5 credit; one semester) 10, 11, 12

Prerequisite: Successful completion of Beginning Photography

Students will build upon the concepts and skills acquired in Beginning Photography. **Planned experiences give students a clear and concise introduction in the following areas:** Safety and proper housekeeping of the photo studio, photography of visual and communicative discipline, constructing a usable cardboard camera and developing printing, learning basic terms, understanding film/paperwork, and proper exposure. Students will learn safe use of photo chemicals, using dyes, and mounting and matting a completed photographic image. In addition, students are introduced to photographic terms, using light meters to measure natural and artificial lighting, using various lighting sources, manipulating basic backgrounds with different light sources, conducting shop operations, performing camera work, **and processing images.** Students will increase their knowledge of digital editing. Students will build knowledge of the selection and use of cameras, film, lenses, accessories, tripods and filters. When possible, job shadowing opportunities will be provided. 11052A001

901 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

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

Prerequisite: Art 1

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

903 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 through studio based work. Students will create a portfolio. 05199A000

904 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 portfolios and resume. Work will be individualized and submitted through the contract method. Students and an instructor will create and write the course outline that will allow each student the maximum opportunity to enhance/ finalize their Senior portfolio. 05170A000

906 3D ART 1 - (.5 credit; one semester) 10, 11, 12

Prerequisite: Art 1

Three-Dimensional students are introduced to the fundamental techniques and concepts while studying the elements and principles of designing in three-dimensional forms. The emphasis of this course is to expose students to different types of 3D art mediums. 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 Ceramics, is considered equivalent to Art 2.** 05158A000

911 CERAMICS - (.5 credit; one semester) 10, 11, 12

Prerequisite: Art 1

Ceramics is an introductory course covering the multiple methods of problem solving using clay as a medium. The emphasis of this class is an exploration of different materials for creative expression. Functional and sculptural aspects of the different clay mediums will be considered through projects incorporation, hand building, wheel throwing, surface treatments, glazing techniques, firing, and other related aspects. Art history, aesthetics, and art criticism will be incorporated throughout the course. **This class, along with 3D Art 1, is considered equivalent to Art 2.** 05159A000

907 COMMERCIAL ART 1 - (2 credits; 2 hours) 10, 11, 12

Prerequisite: Successful Completion of Beginning Digital Graphics

This course continues to build on the concepts and skills introduced in Beginning Digital Graphics. This course is designed to provide students with the skills needed for a career in the fields of advertising,

commercial art, graphic design, website development, and graphic illustrator. Students learn to apply artistic design and layout principles along with text, graphics, drawing, and animation integration to develop various print, video, and digital products. Students use hardware and software programs to create, manipulate, color, paint, and layer images, computer graphics, and original artwork. Students use hardware and software to capture, edit, create and compress audio and video clips. Students use Adobe Creative Cloud to create animated text, graphics, and images. Students apply artistic techniques to design and create advertisements, displays, publications, technical illustrations, marketing brochures, logos, trademarks, packaging, video graphics, and computer generated media. Commercial Art 1 students will prepare a portfolio. 11155A001

908 COMMERCIAL ART 2 - (2 credits; one year) 11, 12

Prerequisite: Successful Completion of Commercial Art I

This course continues to build on the concepts and skills introduced in Commercial Art I. In addition to expanding on the activities explored in Commercial Art I, students work in a project-based environment to create a variety of marketing and commercial products. Students create graphic sketches, designs, and copy layouts. Instruction includes how to determine the size and arrangement of illustrative material and copy, select style and size of type, and arrange layout based upon available space. Students learn how to capture and edit images, sound, and video, and combine them with text and animation. Instruction includes client interviewing skills, product proposal development, and product presentation techniques. A more in-depth portfolio will be created, including a digital portfolio and resume. When possible, job shadowing will be included. 11155A002

910 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). Portfolio options are AP 2D Art and Design, AP 3D Art and Design and AP Drawing. Advanced Placement work does involve time and commitment, and requires summer work, additional studio time, research and field trips. 05171A000

Vocal Music

917 ADVANCED PLACEMENT MUSIC THEORY – (.5 credit; one semester) 10,11,12

Prerequisite: Band, Choir or Music reading ability

Music theory is a one semester course in which the students are engaged in the study of 18th and 19th century harmony rules and their application to the writing of music by the students. It includes ear-training through various kinds of dictation. This course is highly recommended for college-bound music majors. It leads to knowledge which aids the fundamental study on the college level. Basic music note reading skills needed. 05113A000

919 MUSIC HISTORY – (.5 credit; one semester) 10,11,12

A brief survey of the history of Western Music from the Middle Ages to the present. Students will listen to, analyze, and describe music. As well as evaluate music and music performance. Students will identify the relationships between music, the other arts, and disciplines outside the arts. Students will also

discover music in relation to history and culture. Much attention will be paid to the direct experience of listening to music and discovering how music has changed through the ages. 05117A001

926 Concert Choir 1 – (1 credit; one year) 9, 10, 11, 12

A mixed voice, non-auditioned choir open to freshmen through seniors. A variety of styles of music by many different composers and arrangers are presented for enjoyment and study. An emphasis is placed on learning how to read music and perform music. This course is designed to provide all students with not only the technical and aesthetic qualities of being a member of choir, but also to aid in developing a sense of responsibility, self-discipline, and camaraderie. Students are expected to participate in each quarterly performance. Quarterly performances include: Fall concert, Madrigal Dinner, Spring Musical, Senior Concert, and Graduation/Baccalaureate. 05110A000

923 Concert Choir 2 – (1 credit; one year) 9, 10, 11, 12

Prerequisite: Audition

A mixed voice, auditioned choir open to sophomores through seniors who have demonstrated their singing and sight-reading fundamentals by audition. A variety of styles of music by many different composers and arrangers are presented for enjoyment and study. The repertoire selected for this course is for more advanced choir students. Students are expected to participate in each quarterly performance. Quarterly performances include: Fall concert, Madrigal Dinner, Spring Musical, Senior Concert, and Graduation/Baccalaureate. 05111A000

921 Chamber Ensemble – (1 credit; one year) 10, 11, 12

Prerequisite: Audition

A mixed voice, auditioned choir open to sophomores, juniors and seniors who have demonstrated outstanding singing technique and sight-reading abilities by audition. A variety of styles of music by many different composers and arrangers are presented for enjoyment and study. The music selected in this course is for advanced choir students capable of singing in a small ensemble setting. Students must attend all dress rehearsals and concerts. Students are expected to participate in each quarterly performance. Quarterly performances include: Fall concert, Madrigal Dinner, Spring Musical, Senior Concert, and Graduation/Baccalaureate. 05111A000

920 Music Appreciation – (.5 credit; one semester) 10, 11, 12 (*JALC Dual Credit*)

Music Appreciation is designed to familiarize the student with outstanding works of musical compositions by means of recordings. This includes an emphasis on the elements of music, various musical forms and periods, and great composers and performers from antiquity through the 21st century. 05116A000

Instrumental Music

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

MHS Marching Band:

Participation is required by all students enrolled in the band. Practices and performances are during the 1st nine weeks of the school year. Students are required to perform at all varsity home football games, field competitions, and parades.

MHS Concert Band:

Participation is required by all students enrolled in band. The Concert Band performs at both winter and spring concerts, as well as performs at local and regional festivals, honor bands, and IHSA contests.
05101A000

MHS Pep Band:

Participation is required by all students enrolled in band. The band rehearses during the 2nd and 3rd nine weeks of the year. 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 regional marching competitions during the fall semester. All students enrolled in the band are required to participate in the MWB. All 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 an adequate fundraising 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!**

825 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. 19251A002

839 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 the course (430) Auto Mechanics I.

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

840 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

***841 & 842 TRANSPORTATION/AUTOMOTIVE TECHNOLOGY 1 & 2**

(2 credits; one year) 11,12

Prerequisite: Must pass Car Care and Auto 1 with a C or higher and 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 troubleshooting; the fifth part with power trains; and the sixth part with brakes and suspension. Instruction is accomplished by classroom and shop activities. 20104A001, 20104A002

813 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

372 & 369 BIOLOGICAL SCIENCE AND AGRICULTURE APPLICATIONS

(1 credit; one year) 10, 11, 12(Cross Listed with Science Department)

Prerequisite: 1 year of Science, 1 year of Ag Industry, consent of instructor.

List both course numbers on the 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 - (1 credit; one year) 11,12

Prerequisite: Biology 1 or BSAA or consent of instructor

This course will develop students' understanding of the livestock (beef, dairy, sheep, goats, and swine), poultry, and large (equine) animal industry. Topics of instruction include scientific investigations, genetics, animal anatomy and physiology, animal nutrition, animal reproduction, animal health, and meat science. Improving computer and workplace skills will be a focus. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects in an integral course component for leadership development, career exploration and reinforcement of academic concepts.

Successful completion of the course will result in an Elanco Fundamentals of Animal Science Certification. 18105A001

843 VETERINARY TECHNOLOGY – (2 credits; one year) 11, 12

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

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. **Students will spend 2 class periods per week job-shadowing at local vet clinics.**

Successful course completion will result in an Elanco Veterinary Medical Applications Certificate.

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

814 & 815 HORTICULTURAL PRODUCTION & MANAGEMENT 1 & 2 –

(1 credit, one year) 11, 12 (Previously known as Landscaping/Turf Operations & Management 1 & 2)

Prerequisite: Intro. to Ag., BSAA, or consent of instructor

This course offers instruction in both the greenhouse production and landscape areas of horticulture. Units of study include plant identification, greenhouse management, growing greenhouse crops, landscape design, installation, and maintenance, horticulture mechanics, nursery management, and turf production. Agribusiness units will cover operating a horticultural business, pricing work, 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. **Successful course completion will result in a BASF Plant Science Certification.** 18051A001

***Students need a driver's license and their own means of transportation in order to go to and from the landscaping site.

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

This course is an introductory overview of the basics of drafting. Students will become familiar with mechanical drawing methods (primarily in 2D, but possibly some 3D) as they learn various drafting procedures used by industry. Students will use basic CAD techniques through assignments, which cover basic drawings, detailed drawing, multi-view projection, and dimensioning. An engineering project will be given as well, including designing the engineering project in CAD, building a model of the design, and testing the design. 21102A002

807 DRAFTING 2 - (0.5 credit; one semester) 10, 11,12 (DUAL CREDIT)

Prerequisite: Pass Drafting 1 with a C or better.

This course is designed to build upon Drafting 1 as it introduces students to more operations of computer-aided drafting (CAD). Using CAD software, this course explores drafting methods and techniques for both 2D and 3D design. This course covers such items as: standard drafting practices, various types of drawings (working, detail, assembly, etc.), and well as CAD functions at the basic and intermediate levels. 21102A001

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

Prerequisite: Pass Drafting 2 with a C or better.

This course is designed for students interested in a career in Mechanical Drafting and/or Architecture. This is an advanced CAD class where students will get advanced CAD instruction and practical experiences needed for the development of drafting-related job skills. Students will learn various aspects that go into Mechanical Drafting and Architectural Drafting. Instruction is provided in the areas of advanced CAD commands, advanced system functions, planning and organizing projects, researching information, preparing preliminary drawing sets, basic layouts, detail drawings, reproduction techniques, and producing professional working drawing sets. Students also learn how to produce architectural drawings by creating floor plans, wall sections, elevation views, foundation sections, exterior elevations, electrical plans, structural drawings, and landscape features. 21106A001

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

Prerequisite: Pass CAD 1 with a C or better (May be taken concurrently with CAD 1 with consent of instructor). This course integrates skills and concepts from previous drafting/CAD classes and provides students with advanced training in the fields of Mechanical Drafting and Architecture. This course will give in-depth exposure to machine blueprint reading, product design, assembly and part drawings, tolerancing on mating parts, MMC/LMC, machine designs, as well as advanced architectural design instructions. 21106A002

812 INTRODUCTION TO TECHNOLOGY AND ENGINEERING (INDUSTRIAL) – (.5 credit; one semester) 9, 10, 11, 12

Introduction to Technology and Engineering comprises the following areas: Production, Technology, Engineering Design, Transportation, Communication, Energy Utilization and other such areas. This course will cover the resources, technical processes, industrial applications, technological impact and occupations encompassed by that system. Hands-on design projects will also be given. 21052A002

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

Beginning Welding course enables students to gain knowledge of the properties, uses, and applications of various metals, skills in various processes used to join and cut metals (such as oxyacetylene, shielded metal, metal inert gas, and tungsten arc processes), and experience in identifying, selecting, and rating appropriate techniques. Welding courses often include instruction in interpreting blueprints or other types of specifications. 13207A003

844 WELDING 1- (0.5 Credit; one semester) 11, 12

Prerequisite: Consent of Instructor

This course introduces students to shielded metal arc welding (Stick welding), gas metal arc welding (MIG welding), and plasma arc cutting. This class focuses heavily on Stick and MIG processes, including attention to studying welding process components, electrode classification systems, rod selection, properties, use, and storage. Emphasis is placed on cutting steel plate, running different types of beads, pad buildups, and basic fillet and groove welds in the flat and horizontal positions with Stick and MIG welding. 13207A003

845 WELDING 2- (0.5 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 Stick, MIG, and oxy-fuel welding/cutting/brazing. Additionally, greater emphasis is placed on fabrication and projects. Upon completion, students should be able to weld lap, tee, corner, and butt joints on carbon steel with various types of electrodes in the flat and horizontal positions. 13207A001

846 WELDING 3 – (0.5 Credit per semester, up to 2.0 Credits) 12

Prerequisite: Consent of Instructor Required

This course builds on the skills and concepts introduced in Welding 1 & 2. This course provides more in depth skill development in various types of welding and fabrication processes. A focus on real world welding/fabrication projects will be the primary focus of this course, including project design, materials, layout, welding and fabrication techniques, and project finishing techniques. 13207A002

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

The Beginning Construction course exposes 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

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

Prerequisite: Pass Intro to Construction with a C or better

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

803 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

804 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

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 largest 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

838 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. They will be guided to understand communications in the medical field. 14001A001

835/836 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)

The primary focus of this class is to assist students through theory, classroom activities, laboratory simulation, and actual clinical observation, in making wise career decisions. In some instances, it may prepare a student for an entry-level job. The course is designed to prepare students to enter a post-secondary educational setting in colleges, universities, and/or career and technical training programs. It also allows students to explore careers in numerous allied health care settings to decide if a career in the healthcare industry is right for them. The first semester of instruction takes place primarily in the classroom and lab. Hospital tours, clinical site location exploration, and orientations to clinic sites will also occur during the first semester. In order to participate in clinical observation during the second semester, students MUST pass specified areas including confidentiality and professionalism, infection control, CPR, and safety. Successful completion of the American Heart Association CPR, AED, and First Aid courses will result in certification. Stop the bleed training will also provide certifications. The conclusion of this program will provide students with the option to obtain a National Health Science Certification through the National Consortium of Health Science Education. 14102A001

***Students need a driver's license and their own means of transportation in order to go to and from the work site.

***837 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

***Students need a driver's license and their own means of transportation in order to go to and from the work site.

827 INTRODUCTION TO FAMILY CONSUMER SCIENCES (.5 credit; one semester) 9, 10, 11

This single 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, childcare, housing, and Family and Consumer Sciences careers. Technology-based learning will enhance student skills. Students will receive an introduction to Child Care (Kiddie City) and ProStart.

828 CLOTHING AND TEXTILES 1 - (.5 credit; one semester) 9, 10, 11, 12

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

829 CLOTHING 2 - (.5 credit; one semester) 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 students 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

830 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

821 ADULT LIVING - (.5 credit; one semester) 9, 10, 11,12

Adult Living **single semester course** utilizes a comprehensive text to help students meet the challenges of their daily lives with confidence. Students will learn the necessary information and practical skills related to interpersonal and family relationships, career preparation, life management, healthy living, foods and nutrition, and housing. This course aims to help our youth learn skills to help them be successful in life. Much of our lives **occur** outside of the textbook, and this course helps prepare the individual for the real tasks we need to complete daily. **For example**, applying for a job, finding an apartment (the hidden costs of an apartment), how to go grocery shopping thoughtfully and cost-effectively, 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 live 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 succeed in their life choices. The course includes various project-based

experiences and service-learning opportunities to gain knowledge and expertise in understanding and applying management skills, considering **individuals and families' diverse** social, economic, technological, environmental, and cultural characteristics. 19251A001

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

The **single semester Parenting** course is designed to help teens strengthen the families they live in now and build healthy families for the future. Throughout the chapters, special features extend the content and offer an opportunity for thought, discussion, and action through readings, self-assessment, and hands-on activities. Students can discuss the complex topics of relationships, partner selection, relationship skills, marriage development, and skills to navigate relationships, social pressures, and make wise decisions. Course content includes the following: managing and organizing parenting by applying decision -making and goal-setting skills; using the basic principles of the parenting process; practicing health and safety standards as related to parenting; providing experiences that encourage parents and children to maximize resources; encouraging human relations skills in children/adolescents; community resource agencies and services; and evaluating the impact on parenting of family and career changes. 22204A001

822 CHILD DEVELOPMENT- (.5 credit; one semester) 9, 10,11,12 (**Prerequisite course for Child Care I/ Kiddie City**)

The **single semester** course is current, comprehensive, and motivating designed to maximize students' interest and learn about child development, parenting, and childcare. This course offers students information about children's development, effective parenting or caregiver techniques (**Optional** Real Care Baby), and a fun and exciting classroom environment. Chapters also cover pregnancy prevention, teen pregnancy, prenatal development, and delivery. Child Development addresses the knowledge, skills, attitudes, and behaviors associated with supporting and promoting optimal growth and development of infants and children. The focus is on research-based nurturing and parenting practices and skills, including brain development research, supporting children's positive development. **In addition**, students will explore opportunities in human services and education-related careers. **Child Development is required to take Kiddie City/Child Care.** 19052A001

***823 & 824 CHILD CARE I and II/ KIDDIE CITY-** (2 credits; one year) **Grade Levels** 11,12

(JALC Dual Credit Class ECE 155, ECE 160, ECE 161) [Child Care Trifold Brochure](#)

Course ID: 19153A001 Early Childhood Education Child Care One

Course ID: 19151A001 Foundations to Teaching Child Care Two

Let's PLAY! 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 **learns** the importance of professionalism, accountability, and responsibility through a fun and fast-paced curriculum that brings the textbook to life as a staff member of the laboratory school, Kiddie City. Designed to help prepare individuals for a career in early childhood education or various 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 various daily experiences in safe and educational ways. Hands-on activities include shadowing local elementary educators each week and Marion High Schools' private education system, Kiddie City, three days a week and provides **7 hours of college credit and a college prep portfolio**. Also, staff will receive an honor cord for each year of service recognized by the ECE national association with a stole. **In addition, Gateway will offer a six-year 90% tuition college waiver for students majoring in Early Childhood Education for all Child Care students.**

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

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

This course provides an overview of young children's health, safety, and nutritional needs and early childhood practices to ensure children's well-being in group settings from birth to age eight. Content

includes adults' roles and responsibilities in meeting children's needs, healthy lifestyle practices, childhood illnesses, and injuries, meeting health, nutrition, and safety standards, planning nutritionally appropriate meals, program planning, curriculum, current issues, and parent education concerning health and safety.

***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, examining current research and significant developmental theories encompassing birth through eight years of age. This course will explore child development within a socio-cultural context, such as gender, family, race, ethnicity, language, ability, socio-economics, religion, and society, **emphasizing** 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.

***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 the Kiddie City Child Development Lab. The student will work with young children 2 hours per week under a qualified professional's direct supervision. The college instructor will coordinate the learning experience, including performance assessments.

Child Care I- This course prepares students to guide young children's development in an educational setting through classroom and job shadowing experiences. Course content includes child development, care, and education issues. Project-based learning experiences include planning and implementing developmentally appropriate activities, essential health and safety practices, and teaching young children's legal requirements. **In addition,** students will research the necessities of early childhood education careers and develop/expand their career portfolios.

Child Care II- This course introduces students to the principles underlying teaching and learning, **the** responsibilities and duties of teachers, and strategies and techniques to deliver knowledge and information. **Combining** classroom and field experiences will enable the student to gain professional knowledge and understanding of the education profession. Course content includes projects to understand the learner and the learning process, instructional planning, the learning environment, assessment and instructional strategies, career opportunities in education, and Illinois regulations and licensing requirements.

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

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 ServSafe, and demonstrating career readiness skills. Students will be introduced and encouraged to participate in FCS Club leadership activities.

16054A001

832 FOOD AND NUTRITION 2 - (.5 credit; one semester) 10, 11, 12

Prerequisite: Foods 1

This is a second level foods course with more attention paid to food selection and preparation for special circumstances, equipment and tools, and the functions of ingredients during various cooking/baking practices. Course content could include selection, purchase, preparation, and conservation of food, as well as trends in dietary healthcare and trends in regional and international cuisine. The focus of this course is on Foods and Nutrition Services and is preparation for the ProStart Service Program. Students will be introduced and encouraged to participate in FCS Club leadership activities. 16054A002

833 & 834 PROSTART /FOOD SERVICE 1 & 2 - (2 credits; one year) 11, 12

Dual Credit with Rend Lake College (1st semester Culinary Math 3 Credit hours, 2nd semester Nutrition 3 Credit hours) Prerequisite: Foods 1, Foods 2, and/or 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 participate in a dietary Internship with Heartland Regional Medical Center, as well as cater meals outside of campus. Students will be introduced and encouraged to participate in FCS Club leadership activities. 16052A001, 16055A001 ***Students need a driver's license and their own means of transportation in order to go to and from the work site.

805 CONSTRUCTION CRAFT PREPARATION PROGRAM

(2/3 credits; one year) Grades 11 (2 credit hours), 12 (3 credit hours)

Prerequisite: Application process

This program is designed to educate students on the skills needed in order to pursue a successful career in the construction industry. In partnership with several high schools in southern Illinois, the IL Laborers Training Center is offering this exciting new program to Juniors and Seniors on a limited basis. The class will be held at the Laborers' Training Center in Marion, IL and will run Monday-Friday 7:30-9:30 am. 17002A001

***Students need a driver's license and their own means of transportation in order to go to and from the work site.

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.

601 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. Available sections for Driver's Education with PE are listed below in the PE chart.

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 applies. 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.

602 & 603 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)*

618 & 619 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)*

9/10/11/12 Unified Partners PE

Physical Education Class focused on activities appropriate for all levels of physical abilities. Some possible units/activities may include: Circuit Training, Soccer, Bowling, Basketball, Volleyball, Hockey, Cardio Games, Cardio Room, and other games that are centered around local Special Olympics Games. You may be a good fit for this PE class if you are open minded to getting to know our Strive Students, thinking of pursuing teacher education in the future, a patient person who enjoys helping others, or a member of Unified Partners here at MHS or MJHS. Good Grades and Behavior is a requirement to enroll.

606 & 607 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)*

610 & 611 Yoga/Body Sculpting (Grade 11,12 co-ed student)

Class will complete dance and body sculpting lessons using **Dynamic Resistance Yoga and the weight room. The movement lessons are designed to strengthen and enhance students' cardio, muscle conditioning, balance, mobility, stability 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 **complete yoga and dynamic resistance movements** in the dance room as well as maintain a positive attitude and willingness to participate in all activities. **Heart Rate Monitors will be provided and required.** *2-3 days of Yoga/Dynamic resistance or body sculpting, 1 game day (subject to change).*

614 & 615 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)

FIRST SEMESTER

<u>602</u>	9/10 Lifelong Fitness PE
<u>604</u>	9/10 Lifelong Fitness PE/DE
<u>618</u>	11/12 Lifelong Fitness PE
<u>620</u>	11/12 Lifelong Fitness PE/DE
<u>606</u>	Strength and Conditioning
<u>608</u>	Strength and Conditioning PE/DE
<u>610</u>	Yoga/Body Sculpt.
<u>612</u>	Yoga/Body Sculpt PE/DE
<u>614</u>	Sports Rec. & Fitness
<u>616</u>	Sports Rec. & Fitness PE/DE

SECOND SEMESTER

<u>603</u>	9/10 Lifelong Fitness PE
<u>605</u>	9/10 Lifelong Fitness PE/DE
<u>619</u>	11/12 Lifelong Fitness PE
<u>621</u>	11/12 Lifelong Fitness PE/DE
<u>607</u>	Strength and Conditioning
<u>609</u>	Strength and Conditioning PE/DE
<u>611</u>	Yoga/Body Sculpt.
<u>613</u>	Yoga/Body Sculpt. PE/DE
<u>615</u>	Sports Rec. & Fitness
<u>617</u>	Sports Rec. & Fitness PE/DE

*BTW (Driver's Education) is assigned by birth date, with the 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 09/25/21, sign up for 1st semester PE/BTW. If you will be 15 between 09/26/21 and 03/08/22, sign up for 2nd semester PE/BTW.

ADDITIONAL ELECTIVE CHOICES

734 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 a 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

3 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

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

Prerequisite: Consent of Guidance 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

10 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

11 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

12 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.

13 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.

7701 Study Skills (9-12)

7706 English 1

7707 English 2

7708 English 3

7702 Algebra 1

7703 Geometry

7704 Algebra 2

7705 Math Connections

7709 English 4
 7714 Earth Science
 7713 Physical Science
 7716 Biology
 7712 Reading Strategies
 7721 CVE

7730 Global Studies
 7731 American History
 7732 Consumer Economics
 7733 Civics
 7720 Health

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

Global Studies
 American History
 Consumer Economics
 Civics
 Health

We offer these remedial courses in summer school for students in need:

Algebra 1
 English 1
 Physical Science

Yearly Schedule Planning

Year

9th Grade

- 1 credit 00 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 40 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 OR Honors Algebra 2
- 1 credit 202 Biology OR 1 credit Science Electives
- 1 credit 176 Global Studies
- 1 credit of PE-see page 40 for choices
- Elective
- Elective

Year

11th Grade

- 1 credit 105 English 3 OR 110 AP Literature
- 1 credit 155 Algebra 2 OR 1 credit Honors Algebra 2 OR
1 credit 157 Pre-Calculus OR 1 credit of 169 Statistics
- 1 credit 178 American History

12th Grade

- 1 credit of Grade 12 English Electives
- 1 credit of PE-see page 40 for choices
- ½ credit 180 CIVICS/ ½ credit Elective
- Elective

4. ½ credit of Consumer Economics/ ½ credit Elective

5. Elective

5. 1 credit of PE-see page 40 for choices

6. Elective

6. Elective

7. Elective

7. Elective

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