

# **Flora High School Curriculum Guide**



**2025-2026**

## **FLORA HIGH SCHOOL**

### **Course Description Guide**

This handbook contains description of the curricular programs of Flora High School. In selecting your courses for the school year you need to think about your high school objectives and your career goals. While making your decisions, involve your parents, your counselor and your teachers. They have years of experience in career planning and goal setting that they can share with you as you make decisions that could prepare you for a successful future.

### **CURRICULUM OBJECTIVES**

The curriculum will provide a comprehensive and sequential education program that will assist students at Flora High School in exploring and preparing for future career, professional, and educational goals.

The curriculum will provide opportunities for students to develop and apply the following skills: to reason deductively and inductively using facts, figures and symbols in systematic ways; to develop and apply the fundamental skills of measurement and compilation; to develop problem solving techniques in the solution of verbal and theoretical problems.

The curriculum will provide a variety of activities and experiences that will enhance the interests of students raise the achievement levels of students and provide students with an educational climate that allows them to develop a sense of self-worth.

Based on these objectives, the curricular goal of FHS is to develop knowledge and skills necessary for young people to learn and grow into the citizens and leaders of a rapidly changing society and nation.

### **REGISTRATION**

It is each student's responsibility to meet specific course requirements and graduation credits and examine classes needed to meet future goals and objectives, particularly high school graduation and/or college admission. All required courses failed need to be re-taken as soon as possible.

The following proposals have been developed by the administration and the guidance personnel of Flora High School as a step toward the classification of students and the establishment of course requirements for graduation.

1. Students may earn credits by correspondence - extension to fulfill graduation requirements. Such courses must have pre-approval of FHS. Maximum of 3 credits
2. Transfer students must meet Flora High School graduation requirements. Any deficiencies from prior school must be made up at Flora High School.

### **TRANSFER CREDITS**

Please refer to Transfer Credit in FHS Student Handbook.

## **FHS GRADUATION REQUIREMENTS**

Math (Includes Math 1, Math 2, Math 3.....	3
Science.....	3
English.....	4
PE .....(Band can waive PE).....	4
History (Includes US History I&II and Government...)	3
Art, Music, Voc. Education or Foreign Lang.....	2
Consumer Science Requirement .....	1/2
Health.....	1/4
Total Elective Credits.....	8.25
<b>Total Required for Graduation.....</b>	<b>28 Credits</b>

- Complete FAFSA or file a FAFSA Waiver
- Intensive Instruction in **Computer Literacy** will be implemented during English, Social Science, CTE, & Elective Courses which fulfills the State Graduation Requirement.

## **COMMUNITY SERVICE REQUIREMENTS**

**9<sup>th</sup> -11<sup>th</sup> Grade:** 30 local community service hours

- \* Local defined: Located within the Flora School District 35 area.
- \* Students must get hours pre-approved and signed by supervisor (no parents) on documented form
- \* Additional hours may include non-local service
- \* All community service will be recorded on the students' transcript

## **COLLEGE PREPARATORY CURRICULUM**

The following high school subjects are recommended for freshmen entering community college, transfer programs and public universities after high school graduation.

<b><u>Units (credits)</u></b>	<b><u>Subjects</u></b>
4	<b>English</b> (emphasizing written and oral communications and literature).
3	<b>Social Studies</b> (emphasizing history and government).
3	<b>Mathematics</b> (Algebra I and II, Pre-Calculus, Calculus) <b>Student athletes</b> are advised that Pre-Algebra and Applied Math do not meet NCAA core course requirements.
3	<b>Science</b> (laboratory sciences including certain vocational courses).
2	<b>Foreign language</b> , or <b>music</b> and <b>art</b> , or vocational courses. *Major universities require 3 years of foreign language

Individual public universities and community colleges may have specific subject requirements in effect. Check the college catalogue for specific requirements. Applicants must contact each college or university for details about all requirements for admission. Admissions requirements for private college and universities as well as proprietary schools vary. Each must be contacted for admission requirements.

## **CURRENT HONOR ROLL**

You have achieved the **High Honor Roll** if your GPA falls between **3.500-4.000**

You have achieved the **Honor Roll** if your GPA falls between **3.000-3.490**

NOTE: Any D or F or I (incomplete) grade automatically removes honor roll status.

Honor Roll will be released to media at the end of the 1<sup>st</sup> semester and at the end of the year.

FHS Grading Scale: 4.0 = A, 3.0 = B, 2.0 = C, 1.0 = D, 0.0 = F

## **GRADE CLASSIFICATION:**

9<sup>th</sup> grade: Graduate from 8<sup>th</sup> grade

10<sup>th</sup> grade: Finish freshman year with a minimum of 6 credits

11<sup>th</sup> grade: Finish sophomore year with a minimum of 12 credits

12<sup>th</sup> grade: Finish junior year with a minimum of 20 credits

## **WEIGHTED GRADES** **Courses weighted are as follows:**

Accounting III  
Chemistry II  
Forensic Science  
Genetics  
Honors English IV  
Honors Government  
Microbiology

Physics  
Finite Math  
Statistics  
Trigonometry  
Calculus  
Spanish IV

**The weighted grading scale will be 5 = A, 4 = B, 3 = C, 2 = D, and 0 = F.**

**Weighted courses are indicated by a > on student transcripts.**

## **DEFINITION OF TERMS**

**Required:** A course which is required of all students at a certain grade or achievement level.

**Elective:** A course which does not satisfy a specific academic requirement, but which allows exploration or in-depth study of a curricular area.

**Prerequisite:** A requirement that needs to be met before taking a course. Students should not enroll in a course unless the stated prerequisite has been met or unless the instructor gives permission.

**Credit:** Earned when a student successfully passes a semester of study in a subject.

## **NCAA ELIGIBILITY**

If interested in participating in collegiate athletics, please examine the NCAA Eligibility requirements by visiting <https://www.ncaa.org/sports/2013/11/25/academic-standards-for-initial-eligibility.aspx>.

## **COURSES OFFERED AT FLORA HIGH SCHOOL**

### **COURSE DESCRIPTIONS**

#### **ENGLISH**

All students will be required to pass a minimum of one semester of English before they can move on to the next level. If they pass only one semester, they will move on to the next level and repeat the failed semester. If they fail both semesters, they must repeat the entire level before they will be promoted.

**\*Honors Program Requirements:**

To stay in the Honors English program a student must:

1. Be recommended for the course by the preceding English teacher.

To be admitted in the Honors English program a student must

2. Maintain a B average each semester. Failure to maintain a B average will result in the student being reviewed for continued placement in Honors English or reassignment to conventional English class.
3. Students who receive a C, D, or F for a semester grade will be placed on academic probation and will be reviewed for continued enrollment in the Honors Curriculum.
4. A student may be reinstated once during his/her high school career by meeting the above criterion the semester directly following initial removal.
5. Students must test at grade level in the Common Lit or Star 360 testing system by the third test in the prior school year. Students who test 1 or 2 grade levels below may be admitted on a probationary basis with teacher recommendation, but must test at grade level at the 2<sup>nd</sup> test in order to continue on in the class. Students may request to retest.

**ENGLISH I - (9 - 1 credit – State Code: 01001A000)** - this English course incorporates all aspects of receiving and communicating information, including reading, writing, speaking, and making presentations. The focus of the course is on reading, analyzing, and understanding a variety of forms of literature, both fictional and non-fictional from different cultures, eras, and sources. Students will be required to demonstrate their understanding of the material through quizzes, essays, speeches and presentations.

**\*HONORS ENGLISH I - (9 - 1 credit – State Code: 01053A000)** - this English course is designed for those students who excel in the study of literature and writing. It incorporates all aspects of receiving and communicating information, but with a greater focus writing and understanding in abstract, rather than concrete terms. Students will not only read for understanding, they will create their own fictional and non-fictional stories to deepen their understanding of different forms of literature. The focus of this course is on reading, analyzing, and understanding, and creating a variety of forms of literature, both fictional and non-fictional from different cultures, eras, and sources. (Entrance into Honors English I will be based on Junior High English Teacher Recommendations and Test Scores) **Prerequisite- 8<sup>th</sup> Grade Advanced English. Please see Honors Program Requirements on page 5 before signing up for this class.**

**ENGLISH II (10 - 1 credit – State Code: 01002A000)** This sophomore level course focuses on analyzing the themes of American and multicultural literatures and nonfiction pieces, or primary sources, as they were influenced by the social and historical events of the time. Students will practice writing effective compositions, as well as review grammar techniques and vocabulary. In addition, research

techniques, including note-taking, annotating, paraphrasing, using print and media materials, and interviewing will be introduced. This is a writing-intensive course. **Prerequisite - English I.**

**\*HONORS ENGLISH II - (10 - 1 credit – State Code: 01051A000)** - Course focuses on analyzing the themes of both fiction and non-fiction in American and Multicultural literature. Students will utilize and enhance composition and research skills throughout the course through both analysis and research based essays. Testing, project grades, homework, and class participation determine grades. This class is writing-intensive course. **Prerequisite - English I. Please see Honors Program Requirements on page 5 before signing up for this class.**

**ENGLISH II TECHNICAL – (10 – 1 credit – State Code 01002A000)** – This course focuses on basic reading and writing skills. Students will practice writing with sentence patterns and eventually advancing to basic paragraphs. In addition, students will use an online reading comprehension program to improve reading skills. **Consent of Teacher/Administration**

**ENGLISH III - (11 - 1 credit – State Code: 01003A000)** – Courses continue to develop students' writing skills, emphasizing clear, logical writing patterns, word choice, and usage, as students write essays and begin to learn the techniques of writing research papers. Students continue to read works of American literature, which often form the backbone of the writing assignments. Literary conventions and stylistic devices may receive greater emphasis than in previous courses. **Prerequisite - English II**

**ENGLISH III TECHNICAL – (12 – 1 credit – State Code: 01003A000)** – This course focuses on basic reading and writing skills. Students will practice writing with sentence patterns and eventually advancing to basic paragraphs. In addition, students will read both fictional and non-fictional passages. **Consent of Teacher/Administration**

**\*HONORS ENGLISH III/AMERICAN LITERATURE (11 - 1 credit – State Code: 01054A000)** – American Literature courses focus upon commonly known American authors and their work. Students improve their critical-thinking skills as they determine and underlying assumptions and values within the selected works as they understand how the literature reflects the society of the time. Oral discussion is an integral part of literature courses, and written compositions are often required. **Prerequisite – English II Please see Honors Program Requirements on page 5 before signing up for this class.**

**\*\*ENGLISH IV – (12 – 1 credit – State Code: 01004A000)** – Courses blend composition and literature into a cohesive whole as students write critical and comparative analyses of selected literature, continuing to develop their language arts skills. Typically, students will write onemulti – paragraph essay with proper MLA documentation. **Prerequisite – English III**

**ENGLISH IV TECHNICAL – (12 – 1 credit – State Code: 01004A000)** – This course focuses on basic reading and writing skills. Students will practice writing with sentence patterns and eventually advancing to basic paragraphs. In addition, students will use an online reading comprehension program to improve reading skills. **Prerequisite – English III Consent of Teacher/Administration**

**\*\*HONORS ENGLISH IV/BRITISH LITERATURE- (12 – 1 credit – State Code: 01056A000)** – British Literature courses may provide a survey of British Literature or may focus on a selected timeframe of England's history. Students may improve their critical-thinking skills as they determine the underlying assumptions and values within the selected works as they understand how the literature reflects the society of the time. Oral discussions are an integral part of literature courses and written compositions. **Prerequisite English III Please see Honors Program Requirements on page 5 before signing up for this class.**

**SENIOR SEMINAR A – SEMESTER 1 (FALL) – (12 – ½ credit – State Code: 22106A000)** – This class will assist students in the college selection and application process. The semester will begin by exploring colleges and universities. Students will be given time in class to apply to colleges. Financial Aid will also be discussed.

**CONTEMPORARY FICTION- (9, 10, 11, 12 – ½ credit- State Code: 01062A000)** - This semester class will deal with reading fictional material in the contemporary genre. The contemporary genre will be broken down into such classifications as dystopian, mystery, historical, and realistic fiction. Class selections will focus on our state's own award reading lists, The Abraham Lincoln and Reading for a Lifetime lists, published by our secretary of state's office. Students will choose their own reading materials fitting into the young adult genre. Students will have access to all materials in the Learning Center and may request materials. The student will be given a list of 42 assignment options from which to choose weekly for point accumulations. **(May take yearlong or semester)**

**GENRES OF FICTION: (9,10,11,12- ½ credit- State Code 01061A000)**- This semester class (1 & 2) will concentrate on two genres of fiction – dystopian/fantasy and historical fiction. This class will focus on the reading of and application of literary elements to these works. The student will choose his/her own selections from these genres during the semester and complete a given number of assignments on the readings. **(May take yearlong or semester)**

**\*\*SPEECH – (11, 12 – ½ credit – State Code: 01151A000) – (this course does not satisfy any part of the English requirement for graduation).** Public Speaking courses enable students, through practice, to develop communication skills that can be used in a variety of speaking situations (such as small and large group discussions, delivery of lectures or speeches in front of audiences, and so on). Course topics may include (but are not limited to) research and organization, writing for verbal delivery, stylistic choices, visual and presentation skills, analysis and critique and development of self-confidence.

**CREATIVE WRITING– (9, 10, 11, 12 - .5 credit- State Code 01104A000)** This class offers student the opportunity to develop and improve their technique and individual style in poetry, short story, drama, essays, and other forms of prose. The emphasis of the courses is on writing; however, students may study exemplary representations and authors to obtain a fuller appreciation of the form and craft.

**JOURNALISM – (9, 10, 11, 12 – 1 credit- State Code 11101A000)** Journalism courses (typically association with the production of a school newspaper, yearbook, or literary magazine) emphasize writing style and techniques as well as production values and organization. Journalism courses introduce students to the concept of newsworthiness and press responsibility; develop students' skills in writing and editing stories, headlines, and captions; and teach students the principles of production design, layout, and printing. Photography, photojournalism, and broadcast journalism skills will be included. **(May take yearlong or semester)**

**BROADCASTING JOURNALISM I - (9, 10, 11, 12 – .5 credit or 1 credit– State Code: 12152A001)** – Emerging media is a hands on course that utilizes technology and teaches how to produce videos. Students learn how to video, take pictures, interview, download, edit images, and alter sound files. Students save video on flash drives, upload to you tube, and implant to our school website. **(May take yearlong or semester)** (Prerequisite of Journalism or approval of instructor)

**PUBLICATION PRODUCTION (HARSTAN, LOCUST LOG – (9, 10, 11, 12 – .5 credit or 1 credit – State Code: 11164A000) – (this course does not satisfy any part of the English requirement for graduation).** Publication Production courses provide students with the knowledge and skills necessary to produce the school newspaper, yearbook, literary magazine, or other printed publication. Students may gain experience in several components (writing, editing, layout, production, and photography) or may focus on a single aspect while producing the publication. **(May take yearlong or semester)**

## **ELECTIVE**

**MTSS (9, 10, 11, 12 – 1 credit – State Code: 22005A000)** Multi-Tier System of Support course provide students with the assistance they need to successfully complete their coursework. Students may receive help in one or several subjects. **Consent of Teacher and/or Administration**

## **FOREIGN LANGUAGE**

**SPANISH I – (9, 10, 11 – 1 credit – State Code: 06101A000)** – Designed to introduce students to Spanish language and culture, Spanish I courses emphasize basic grammar and syntax, simple vocabulary, and the spoken accent so that students can read, write, speak, and understand the language at a basic level within predictable area of need, using customary courtesies and conventions. Spanish culture is introduced through the art, literature, customs, and history of Spanish-speaking people. **Prerequisite: Students must have at least a B average in English to enroll in Spanish I.**

**SPANISH II – (10, 11, 12 – 1 credit – State Code: 06102A000)** – Spanish II courses build upon skills developed in Spanish I, extending students' ability to understand and express themselves in Spanish and increasing their vocabulary. Typically, students learn how to engage in discourse for informative or social purposes, write expressions or passage that show understanding of sentence construction and the rules of grammar, and comprehend the language when spoken slowly. Students usually explore the customs, history, and art forms of Spanish-speaking people to deepen their understanding of the culture (s). **Prerequisite: Students must have a grade of C+ (87%) or better in both Spanish I and English to enroll.**

**SPANISH III – (11, 12 – 1 credit – State Code: 06103A000)** – Spanish III courses focus on having students express increasingly complex concepts both verbally and in writing while showing some spontaneity. Comprehensive goals for students may include attaining more facility and faster understanding when listening to the language spoken normal rates, being able to paraphrase or summarize written passages, and conversing easily within limited situations. **Prerequisite: Students must have a grade of C+ or better in both Spanish I & II.**

**SPANISH IV – (12 – 1 credit – State Code: 06104A000)** – Spanish IV courses focus on advancing students' skills and abilities to read, write, speak, and understand the Spanish language so that they can maintain simple conversations with sufficient vocabulary and an acceptable accent, have sufficient comprehension to understand speech spoken at a normal pace, read uncomplicated but authentic prose, and write narratives that indicate a good understanding of grammar and a strong vocabulary. **Prerequisite: Students must have a grade of C+ or better in both Spanish II & III.**



## **FINE ARTS**

### **ART**

**ART I - (9, 10, 11, 12 - 1 credit – State Code: 05154A000)** - is designed to give students experiences with a wide variety of art media as well as study in color, design, and art history. The course is not an in-depth study in any particular area but familiarization of materials, terms, artists, and the diversity of visual arts. The students will become acquainted with the practical and figurative aspects of art for appreciation, practicality, or further study in the area. Open to all students.

**ART II - (10, 11, 12 -1 credit – State Code: 05155A000)** - a planned course for the extension of work in certain media such as ceramics, perspective drawing, watercolor painting, etc. Some new media will be introduced - copper/enameling. This course is scheduled and directed to the extent necessary, but self-determination in the student=s work will be in part developed by the student in preparation for the independent type of study in Art III and IV. **Prerequisite: Art I**

**\*\*ART III - (11, 12 - 1 credit – State Code: 05170A000)** - a course of independent study to the extent that the student can develop and maintain a positive direction in interest and development in projects. A degree of research is expected as well as a great deal of practical work. Objective is to give more in-depth understanding into media or area of interest. **Prerequisite: Art I and Art II**

**\*\*ART IV - (12 - 1 credit – State Code: 05170A000)** - a course of the independent nature with research projects and presentation made by the student. The student will work in the following directions: (1) to increase already developed skills of limited knowledge and in order to gain understanding in interest areas. (2) Experimentally in areas of limited knowledge to gain understanding, and (3) to exchange limited knowledge with other art students and to promote understand and appreciation within the student body in ways within grasp. Examples (a) student exhibits, (b) lectures, (c) cover designs, (d) posters, (e) conversations, (f) new items, (g) assisting instructor, (h) encouraging other students with an interest in art. **Prerequisite: Art I, Art II, Art III**

## **BAND**

**BAND - (CONCERT, MARCHING, AND PEP) - (9, 10, 11, 12 - 1 credit per year- State Code: 05101A000)** – This course is designed to give the student an enriching and diverse instrumental music education. This class provides a number of performance opportunities for the student in a variety of settings including field show marching, parade marching, basketball band and concert band. The daily objective of the course is to foster and promote musical growth through the playing of an instrument by the student. As a member of the band program, group effort and cooperation is necessary to a successful program. Band is a skilled effort in which each student is expected show technical and musical growth throughout this course. Public and outside of school day performances are a requirement of the course. **THIS CLASS WILL WAIVE PE. Repeatable**

**CHORUS (9, 10, 11, 12- 1 credit State Code 05110A000)** This course is designed to help students achieve greater vocal independence, confidence, inner hearing/aural skills, and quality tonal production. Students will study a variety of musical styles and work as an ensemble to perform and share music with friends, family, and the community through performances. Students will be expected to participate in a Winter and Spring Concert, as well as other performance opportunities (both as a group and individually)

throughout the year. Through group exercises, individual practice, demonstrations, and warm-ups students will become more comfortable in their vocal range, focus on proper breathing, and blending pitch. Public and outside of school day performances are a requirement of the course. Repeatable

**GUITAR AND UKULELE (9, 10, 11, 12- .5 or 1 credit- State Code: 05108A000)**

This course is designed for students with little to no previous guitar/ukulele experience. Students will receive guidance and direction in solving problems related to playing the guitar/ukulele at a beginning level and will learn many of the different styles, skills, and techniques required to become a successful guitarist/ukulele player. Areas of concentration include: correct posture, not reading/tablature, aural skills, flat – picking, singing songs, rhythmic patterns, chord study, finger picking styles and performing experiences. Students are encouraged to own their own instrument as there are limited school owned guitars/ukuleles.

**ROCK BAND (CONTEMPORARY ENSEMBLE) (9, 10, 11, 12 – .5 or 1 credit State Code 55105A000)**

This class is designed for students who want to develop music-making skills and music literacy using primarily rock and pop music. It is an introductory level course, so no previous experience is needed. Students will learn new musical instruments such as guitar, electric bass, drums, and keyboards. Students will explore an interest in singing with a group, develop a deeper understanding of the fundamental element of music, study the history and evolution of rock music, explore live sound reinforcement techniques and use popular and rock music as the springboard to group music making.

**JAZZ BAND - (9, 10, 11, 12 – 1 credit State Code 55105A000)** This class will serve as an introduction to the rich history of jazz music. Through ensemble rehearsal, individual practice, and a variety of performance opportunities, the student will gain an understanding and appreciation for this great art form. Emphasis will be placed on rudimentary improvisational skills, a sense of personal accountability, and musicianship as well as performance techniques. Members will study and perform different forms of music including jazz, funk, and blues. Each student is expected to show musical and technical growth through participation in this ensemble. Public and outside of school day performances are a requirement of the course. No prior experience in jazz is necessary but band experience on a jazz instrument is required, unless prior administrator or director approval. Repeatable

**Not offered 2025-26 MUSIC/AUDIO RECORDING TECHNOLOGY– (9, 10, 11, 12 - .5 credit State Code: 05123A000)** This class is designed to broaden the arts education opportunities of students, to offer musical experiences beyond those of the traditional performing ensembles, and to provide students with real-world applications of technologies currently used in the music industry. Music technology does not require a prerequisite, although a basic knowledge of written notation and music terminology is beneficial. This course will introduce students to the theory and fundamentals of using software and hardware tools for producing music (including digital music editing, multi-track recording, MIDI note entry, signal processing plugins, computer music notation software, sound design, electronic music history and live sound technique.) The class will stress application and creative content, using a series of project based learning activities which includes student exposure to performing with electronic instruments and vocal recording, multi-track recording (both MIDI sequencing and live instruments), music arranging and music history. Not repeatable. Next offering **2026-2027**

**Not offered 2025-26, MUSIC/AUDIO RECORDING TECHNOLOGY II – (9, 10, 11, 12 - .5 credit State Code: 05123A000)** Extension of Music Audio Recording Tech 1. Not repeatable. Prerequisite of Music Tech I. Next offering **2026-2027**

**MUSIC APPRECIATION A - (9, 10, 11, 12 - .5 credit per year- State Code: 05118A000)** This course surveys the different musical periods and styles of music with the intent of increasing students' musical enjoyment and skills. By exploring music from antiquity to now, students will gain an understanding of how music was created in each time period by both musical, and outside influences. This course is not repeatable. This course is offered every other year. **Offered every other year**

**MUSIC THEORY B- (9, 10, 11, 12 - .5 credit State Code: 05113A000)** Music Theory is for musicians looking to gain an in-depth knowledge of music for performance, composition, and arranging purposes. This class is designed both for those intending on majoring in music in college, or for those simply interested in learning how music works. Course material is presented so students may expand their musical skills gained from their band or introduction to guitar classes. This course is offered every other year. **Offered every other year.**

## **HEALTH, SAFETY AND PHYSICAL EDUCATION**

**\*\*\* P.E uniform is required and can be purchased at the school. Students may continue to wear junior high uniform as long as it fits.**

**HEALTH - (9, 10 – 1/4 credit – State Code: 08051A000)** - Students will receive instruction in the following areas: systems review, decision making and wellness skills, mental and emotional health, nutrition, fitness, drugs, abuse and violence, reproduction and STD's.

**DRIVER EDUCATION - (9, 10 – 1/4 credit – State Code: 08152A000)** - attempts to develop in the student the knowledge needed to drive safely in our society. It provides actual practice in driving under the direction of a certified driving instructor. The course meets a minimum of 30 clock hours with supplemental behind-the-wheel instruction amounting to 6 clock hours scheduled individually. Drivers Ed fee will be charged when enrolled in class.

**Driver Education Eligibility HB418:** prohibits ineligible public or private high school students from enrolling in and licensed Driver Education instructors from providing classroom or behind-the-wheel instruction. Eligibility is granted to students who have received a passing grade in at least 8 courses during the previous two (2) semesters.

**PHYSICAL EDUCATION (9, 10, 11, 12 - 1 credit – State Code: 08001A000)** - is planned to provide students with an opportunity for instruction and experience in a variety of individual sports, team sports, fitness challenge, first aid and AED.

**WEIGHT TRAINING - (9, 10, 11, 12 - 1 credit – State Code: 08009A000)** Students will participate in weight training, flexibility training, and conditioning. It is designed to allow students to work on skills and training under supervision, during school time. This class is a substitute for the regular P.E. class.

## **MATH**

**All students will be required to pass a minimum of one semester of each required math course.**

**\*Honors Program Requirements: To stay in or be admitted to the Honors Math 3, Finite Math, Statistics, Trigonometry, or Calculus program a student must:**

- 1. Be recommended for the course by the preceding Math teacher.**
- 2. Maintain a B average each semester. Failure to maintain a B average will result in the student being reviewed for continued placement in Honors Math or reassignment to**

*conventional Math class.*

*3. Students who receive a C, D, or F for a semester grade will be placed on academic probation and will be reviewed for continued enrollment in the Honors Curriculum.*

*4. A student may be reinstated once during his/her high school career by meeting the above criterion the semester directly following initial removal.*

**MATH 1 (9, 10, 11, 12 – 1 credit – State Code: 02062A000) –**

Mathematics I courses emphasize proficiency in skills involving numbers and operations, algebra, geometry, statistics, and probability.

**MATH 2 (9, 10, 11, 12 – 1 credit – State Code:02063A000) –**Mathematics II courses emphasize proficiency in skills involving numbers and operations, algebra, geometry, statistics, and probability.

**MATH 3 (11,12 – 1 credit – State Code:02064A000) –** Mathematics III courses emphasize proficiency in skills involving numbers and operations, algebra, geometry, statistics, and probability.

**HONORS MATH III (10, 11 – 1 credit – State Code: 02064A000) –** This course emphasizes proficiency in skills involving numbers and operations, algebra, geometry, statistics, and probability more in depth and at an accelerated pace. Upon review of student's grades, attendance, test scores and administrator's approval a student will be enrolled.

**\*\*MATH TECH III (11, 12- 1 credit - State Code: 02153A000)** Technical Math courses extend students' proficiency in mathematics, and often apply these skills to technical and/or industrial situations and problems. Technical Math topics may include but are not limited to systems of measurements, consumer math, numerical languages, geometry, algebra, statistics, and using tables, graphs, and charts, and other data displays. Financial Literacy topics include but are not limited to budgeting, cost of living, checking and savings accounts, credit cards, college tuition, and auto insurance. Technology is integrated as appropriate. **Teacher or Administrative Approval.**

**\*\*FINITE MATH A (11,12 State Code 02136A000) –** Finite Mathematics acquaints students with a variety of noncalculus mathematical topics including linear functions and programming, methods to solve linear and quadratic equations and inequalities, matrices, set theory, counting techniques, and basic concepts of probability and statistics (including measures of central tendency and variation).

**\*\*STATISTICS B (11, 12State Code: 02201A000)** This particular area of pre-calculus explores the use of probability and statistical terminology in modern life situations. The latter part of the pre-calculus text features an abundance of charts, graphs, and sketches that illustrate key concepts. The focus of the course is enabling the student to develop an understanding toward the collection, treatment, and analysis of data. To further appreciate the importance of the subject matter, students will complete a statistical project that will encompass many learning areas. Upon review of student's grades, attendance, test scores and administrator's approval a student will be enrolled.

**\*\*TRIGONOMETRY A** An in-depth look at trigonometry concepts that will enable the student to be successful on the SAT exam, calculus, and college level mathematics classes. Topics include circular and triangular trigonometry, graphing, problem solving, law of sines and cosines, and vector analysis. Students will be given the opportunity to expand their skills in the use of graphic calculators and computer technology. Upon review of student's grades, attendance, test scores and administrator's approval a student will be enrolled.

**\*\*CALCULUS B (12 – .5 credit – State Code: 02121A000)** – Calculus courses include the study of derivatives, integration, the definite and indefinite integral, and applications of calculus. Typically, students have previously attained knowledge of pre-calculus topics (some combination of trigonometry, elementary functions, analytic geometry, and math analysis). Upon review of student's grades, attendance, test scores and administrator's approval a student will be enrolled. **Prerequisite: Successful completion of Pre-Calculus or permission of counselor and/or principal.**

## **SCIENCE**

**BIOLOGY I (9, 10 – 1 credit – State Code: 03051A000)** – Biology courses are designed to provide information regarding the fundamental concepts of life and life processes. These courses include (but are not restricted to) such topics as cell structure and function, general plant and animal physiology, genetics and taxonomy. **Prerequisite: Students must have a grade of C or better in previous science class.** Fulfills Laboratory Science ISBE Requirement.

**ANATOMY AND PHYSIOLOGY (BIOLOGY II) (10, 11, 12 – 1 credit – State Code: 03053A000)** – Usually taken after a comprehensive initial study of biology, Anatomy and Physiology courses present the human body and biological systems in more detail. In order to understand the structure of the human body and its functions, students learn anatomical terminology, study skills and tissues, explore functional systems (skeletal, muscular, circulatory, respiratory, digestive, reproductive, nervous, and so on), Dissections are a part of this course. Fulfills Laboratory Science ISBE Requirement. **Prerequisite Biology.**

**GENETICS (11, 12 – .5 credit – State Code: 03059A000)** – Genetics courses provide students with an understanding of general concepts genes, heredity, and variation or organisms. Course topics typically include chromosomes, the structure of DNA and RNA molecules, and dominant and recessive inheritance and may also include lethal alleles, epistasis, and polygenic inheritance. Fulfills Laboratory Science ISBE Requirement. **Prerequisite: Students must have C or better in Anatomy & Physiology or Chemistry**

**MICROBIOLOGY (11, 12 – .5 credit- State Code: 03060A000)**–Microbiology courses provide students with a general understanding of microbes, prokaryotic and eukaryotic cells, and the three domain systems. Additional topics covered may include bacterial control, cell structure, fungi, protozoa, viruses and immunity, microbial genetics, and metabolism. Fulfills Laboratory Science ISBE Requirement. **Prerequisite: Students must have a C or better in Anatomy & Physiology or Chemistry**

**CHEMISTRY 1 – (10, 11, 12 – 1 credit – State Code: 03101A000)** – Students will learn about the chemical behavior of matter and its relationship to the physical world. Topics studied include the nature of matter and energy, including phases of matter; atomic structure; the periodic table; ionic and covalent bonding; molecular formulas, structure, and nomenclature; chemical composition; chemical reactions and equations. Students will also be introduced to quantitative relationships in chemical reactions (stoichiometry), solutions, acids and bases, oxidation/reduction, and nuclear reactions. Fulfills Laboratory Science ISBE Requirement. **Prerequisite: Algebra I and Biology I or permission of counselor and/or administration.**

**\*\*CHEMISTRY II – (11, 12 – 1 credit – State Code: 03102A000)** – A deeper look at more advanced chemical concepts with greater emphasis on quantitative relationships and practical laboratory skills. Students will learn to predict the results of chemical reactions and determine expected yields. Students will also study molecular structure, the behavior of gases, solutions, acids & bases, oxidation/reduction, and nuclear reactions in greater detail. Other topics of study will include thermodynamics, kinetic

theory, electrochemistry, macromolecules, and organic chemistry. Fulfills Laboratory Science ISBE Requirement. **Prerequisite: Chemistry I or permission of counselor and/or administration.**

**\*\*PHYSICS – (11, 12 -1 Credit – State Code: 03151A000)** –The study of the fundamental forces of nature and their effects on matter. Primary units of study will investigate wave phenomena; sound and light; motion in one and two dimensions; forces, energy, and momentum; and mechanical equilibrium. Other topics of study will include electric and magnetic phenomena (including simple circuits); rotational motion; fluid dynamics; and surveys of relativity and quantum mechanics. Fulfills Laboratory Science ISBE Requirement. **Prerequisite: Chemistry I & Algebra II or permission of counselor and/or administration.**

**\*\*FORENSIC SCIENCE– (11,12 - 1/2 credit- State Code: 03202A000)** An introduction to the application of physical and biological sciences in analyzing and evaluating physical evidence as they relate to crimes and the law. Topics covered will include DNA retrieval and analysis, serology and bloodstains, fingerprint development and classification, evaluation of chemical evidence (including toxicology, seizure drugs, and residues), examination of handwriting and questioned documents, and firearm/ballistics evidence. We will also discuss the connection between forensic science and the legal system, including ethical concerns. Fulfills Laboratory Science ISBE Requirement. **Prerequisite: Chemistry I or Anatomy and Physiology and Genetics Encouraged**

**ZOOLOGY A (10, 11, 12- 1/2 credit- State Code: 03061A000)** This course provide students with an understanding of INVERTABRATE animals, the niche they occupy in their environment or habitat, their life cycles, and their evolutionary relationships to other organisms. These courses should also help students develop an awareness and understanding of biotic communalities. Dissections will be a part of this class. Fulfills Laboratory Science ISBE Requirement.

**Prerequisite of Biology**

**ZOOLOGY B (10, 11, 12- 1/2 credit- State Code: 03061A000)** This course provide students with an understanding of VERTABRATE animals, the niche they occupy in their environment or habitat, their life cycles, and their evolutionary relationships to other organisms. These courses should also help students develop an awareness and understanding of biotic communalities. Dissections will be a part of this class. Fulfills Laboratory Science ISBE Requirement.

**Prerequisite of Biology**

**\*\*\*OTHER SCIENCE CLASSES OFFERED** (*Please see Agriculture for course descriptions*)

Environmental Science, \*\*Horticulture I & II, Ag Science

## **SOCIAL SCIENCE**

**EARLY US HISTORY I - (10 - 1 credit – State Code: 04102A000)** – Early US History courses examine the history of the United States from the colonial period to the end of the 19<sup>th</sup> Century. It typically includes a history overview of political, military, scientific War or Reconstruction Era. These courses typically include a historical overview of political, military, scientific, and social developments. **(required)**

**MODERN US HISTORY II - (11 - 1 credit – State Code: 04103A000)** - Modern US History is an intense study from the turn of the twentieth century to present day. The course will address the political, social, and militaristic facets of history in the twentieth century, with focus primarily on the United States' involvement in World War I, The Great Depression, World War II, The Cold War and beyond. The course will address aspects and impacts of global changes through the utilization of research and writing projects and activities. **(required)**

**MODERN WORLD HISTORY I - (9, 10, 11, 12 - 1 credit – State Code: 04053A000)** – Modern World History courses provide an overview of the history of human society in the past few centuries – from the Renaissance period, or later, to the contemporary period – exploring political, economic, social, religious, military, scientific, and cultural developments. Students will study the major historical events that have shaped the world and will learn how the United States fits into the global picture.

**MODERN WORLD HISTORY II - (10, 11, 12 - 1 credit – State Code: 04053A000)** – This course is an advancement of Modern World History I. Prerequisite of World History I

**WORLD GEOGRAPHY – (9, 10, 11, 12 – ½ credit – State Code: 04001A000)** - World Geography courses provide students with an overview of world geography, but may vary widely in the topics they cover. Topics typically include the physical environment; the political landscape; the relationship between people and the land; economic production and development; and the movement of people, goods and ideas.

**ILLINOIS HISTORY – (9, 10, 11, 12 – ½ credit – State Code: 04109A000)** – In this course, students will study the historical and contemporary issues affecting the state of Illinois. To improve our knowledge of the geography, history, culture, governmental system, and current issues found in the state of Illinois. We will improve our knowledge of Illinois state history through daily and weekly assignments, map and geography activities, writing stories and reports, research, oral presentations, exams and other various learning activities.

**\*\*PSYCHOLOGY (11, 12 -.5 credit – State Code: 04254A000)** - involves the study of human behavior. The student is encouraged to analyze his/her own motivations and behavior. Major emphasis will be on personality development, mental and emotional health, physical growth, and intelligence and thinking.

**\*\*SOCIOLOGY - (11, 12 - .5 credit – State Code: 04258A000)** - this course serves as an introduction to Sociology. Sociologists study human behavior and the organization of society. Their work assumes that social forces external to individual's shape behavior. The science aims to understand and explain what these specific forces are and make valid predictions concerning how they shape behavior within groups.

**HONORS POLITICAL SCIENCE AND AMERICAN PROBLEMS (PS/AP) – (12 – 1 credit – State Code: 04151A000)** – This course explores the structure and dynamics of American national government, providing a broad-based introduction to the ideas and institutions that shape politics in the contemporary United States. We will focus our analysis of three major areas: The Constitution and the debates of the founding era, the institutions of modern American Government, and the political behavior of the American mass public. We will study the strategies, roles and limitations of both governmental elites and ordinary citizens, with particular emphasis on how they communicate and interact within the constitutional “rules of the game” to promote (or inhibit?) the achievement of public goods. Our analysis

will draw heavily both on documents from America's formative period and on insights from modern political science, allowing us to examine important political phenomena from a variety of perspectives. Ultimately, the goal of this course is to help each member of the class arrive at a deeper, more comprehensive understanding of the forces that shape American Government and politics, so that he or she may be both a more discerning student and critic of the system and a more informed and reflective participant. **Prerequisite – In order to get in the class, you must be enrolled in Honors English IV.**

**POLITICAL SCIENCE AND AMERICAN PROBLEMS (PS/AP) - (12 - 1 credit – State Code: 04151A000)** – U.S. Government – Comprehensive courses provide an overview of the structure and functions of the U.S. Government and political institutions and examine constitutional principles, the concepts of rights and responsibilities, the role of political parties and interest groups, and the importance of civic participation in the democratic process. These courses may examine the structure and function of state and local governments and may cover certain economic and legal topics. An emphasis will be placed on Social Issues in America. **(required)**

**MYTHOLOGY (ANCIENT CIVILIZATIONS) (11, 12 – 1/2 credit- State Code: 04058A000)** This course does not satisfy any part of the English/History requirement for graduation. The mythology course provides a survey of the Greek and Roman Pantheons. **Prerequisite- Passing grade in English I and English II for both semesters. If a student fails Mythology, he or she may not repeat the class.**

## **CAREER & TECHNICAL DIVISION**

\*\*\*Juniors may only take one 2-period class.

\*\*\*Seniors may only take two 2-period classes.

(Examples of 2 period classes: Construction, Co-op, Health Occupations, Child-Care)

## **AGRICULTURE and INDUSTRIAL**

**INTRODUCTION TO THE AGRICULTURAL INDUSTRY (9, 10, 11, 12- State Code: 18001A001)**

This course provides an opportunity for students to learn how the agricultural industry is organized; Basic concepts in animal science, plant science, soil science, horticulture, natural resources, agribusiness management, and agricultural mechanics, will be presented. 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.

**ENVIRONMENTAL SCIENCE – (9 – 1 credit – State Code: 18504A001) (Science Elective)**– This course examines the relationship of agriculture and the environment. The impact of plant and animal production practices on the environment and the adoption of practices leading to improved air, land, and water quality are investigated. Areas of emphasis include: types of ecosystems, management of waste, chemical use, soil conservation, land uses and regulations, and water and air quality. Encouraging students to be conscious and concerned about the environment and recognizing the need to conserve the environment and its resources will be a theme throughout. Natural Resources Conservation and Management will be woven into the curriculum. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is strongly encouraged for leadership development, career exploration and reinforcement of academic concepts. Fulfills Laboratory Science ISBE Requirement. **SCIENCE CREDIT**



**AG LEADERSHIP A (9-12 - .5 Credit – State Code: 18203A003)**

Agricultural Leadership courses help students develop leadership skills with a focus on opportunities in the food, fiber, and natural resources industries. Topics may include but are not limited to human relationships and effective communication, decision-making and problem-solving, leadership qualities and styles, and ensuring successful completion of group activities. Students will learn to lead groups and teams, manage volunteers, exercise leadership ethics, and be able to demonstrate leadership in multicultural settings. 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.

**AG COMMUNICATIONS B (9-12 - .5 Credit- State Code: 18203A002)**

Students will analyze current agricultural issues and determine how they affect people on all sides of the issue. The students then learn and enhance their written and oral communication skills by presenting their views and opinions to the class. Students learn how to arrange and present debates, speeches, and interviews to be effective leaders in today's society. This course can also be designed to provide students with the knowledge and leadership experiences to help them to become successful in life and in the workplace. Students will further enhance their potential for leadership development, personal growth, and career success. Topics may include workplace skills, effective communication, decision-making, problem-solving, leadership styles and qualities, and successful execution of teamwork or collaborative activities. 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.

**\*\* HORTICULTURAL SCIENCE (10,11, 12- 1 Credit- State Code: 18052A001) Science Elective**

This course is designed to introduce students to the horticulture industry and provide them with basic plant science knowledge that can be further developed in advanced horticulture courses. Major units of instruction include horticulture research, horticultural careers, plant anatomy, seed germination, plant propagation, growing media, pest management, hydroponics, identifying horticultural plants, growing greenhouse crops, and floral design. 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. Fulfills Laboratory Science ISBE Requirement (**Science Credit**) (**Prerequisite of Intro to Ag or Environmental Science**) (**Recommended for 11 & 12 grade students due to Dual Credit**)

**\*\*HORTICULTURE II (11,12- 1 credit- State Code: 18051A001) Science Elective**

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. 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. Fulfills Laboratory Science ISBE Requirement (**Prerequisite of Horticulture**)

**AGRICULTURAL SCIENCE - (10, 11, 12 – 1 credit – State Code: 18003A001) –Science Elective –**

This course builds on basic skills and knowledge gained in the Introduction to the Agricultural Industry course. Major units of instruction include agricultural research, soil science, advanced plant science,

biotechnology, advanced animal science. Applied science and math skills and concepts will be stressed throughout the course as they relate to each area. Participation in FFA student organization activities and (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts. 1st semester focuses on animal health, care, and covers animal well-being and vet terminology. 2<sup>nd</sup> semester dives into a deeper investigation of livestock breeds. Applied science, math skills, computer usages, and workplace skills will also be covered. **(Science Credit)**  
**(Prerequisite of Intro to Ag or Environmental Science)**

**\*\*AGRICULTURAL BUSINESS MANAGEMENT - (11,12- 1 Credit- State Code: 18201A001)**  
This course will provide students with the basic knowledge and skills necessary to manage personal finances and develop into a successful entrepreneur and/or businessperson. Instructional units include: business ownership types, starting an agribusiness, managing and operating an agribusiness, financing an agribusiness, managing personal finances, record keeping and financial management of an agribusiness, local, state, and federal taxes, agricultural law, and developing employability skills. Participation in FFA student organization activities (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts. **THIS CLASS WILL SATISFY THE STATE CONSUMER EDUCATION REQUIREMENT.** **(Prerequisite of Intro to Ag or Environmental Science) (Recommended for 11 & 12 grade students due to Dual Credit)**

**BASIC AGRICULTURAL MECHANICS – (9, 10,11, 12 – 1 credit – State Code: 18401A001)** – In this course, theory and hands-on experiences provide opportunities for students to develop basic knowledge and skills in agriculture mechanics. Instructional areas include the basic fundamentals of maintaining and repairing small gasoline engines, basic electricity, welding, construction, cold metal work, and operating agricultural equipment safely. Improving workplace and computer skills will be a focus. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts.

**\*\*AGRICULTURAL MECHANICS AND TECHNOLOGY - (10, 11, 12 – 1 credit – State Code: 18402A001)** – This course will concentrate on expanding students' knowledge and experiences with agricultural mechanic technologies utilized in the agricultural industry. Units of instruction include: design, construction, fabrication, maintenance, welding, electricity/electronics, internal combustion engines, hydraulics, and employability skills. Careers of agricultural construction engineer, electrician, plumber, welder, equipment designer, parts manager, safety inspector, welder, and other related occupations will be examined. Improving workplace and computer skills will be a focus. Participation in FFA student organization activities and (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts. **(Prerequisite of Basic Ag Mechanics) (Recommended for 11 & 12 grade students due to Dual Credit)**

**SAE SUPERVISED AGRICULTURAL EXPERIENCE (9, 10, 11, 12- 1/4 credit/semester- State Code: 18998A002)** - This course is designed to establish, improve, and/or expand knowledge and skills in various agricultural careers. Students will gain credit by establishing or continuing a Supervised Agricultural Experience (SAE) project at their home, at a business, or at their school often occurring outside the normal school day.

**WELDING I A (9, 10, 11, 12- ½ credit- State Code: 18401A002)**

This course will emphasize the development of basic welding and metalworking skills necessary to succeed in agricultural careers. Topics of instruction include: metal identification and properties, metal

preparation, use of oxy-acetylene torch, project design, and construction. Improving workplace and computer skills will also be a focus. Participation in FFA student organization activities and SAE projects are an integral course component for leadership development, career exploration and reinforcement of academic concepts.)

**\*\*WELDING II B (9,10, 11, 12- ½ credit- State Code: 18401A002)**

This course will emphasize the development of basic welding and metalworking skills necessary to succeed in agricultural careers. Topics of instruction include: metal identification and properties, metal preparation, use of oxy-acetylene torch, project design, and construction. Improving workplace and computer skills will also be a focus. Participation in FFA student organization activities and SAE projects are an integral course component for leadership development, career exploration and reinforcement of academic concepts.

**\*\*ADVANCED WELDING A- (11,12 grade – 2 credit State Code: 13207A001)** IECC Instructor-housed at West Richland Center; Combination Welding I (WEL 1260) The class will convene Monday, Tuesday, Wednesday, and Thursday from 7:30 AM – 8:35 AM at our West Richland campus in Noble. Maverick Fisher will be the instructor. There is a \$70 fee applied to all of our welding courses to cover material costs. Students will need to provide own transportation and be back for the start of 2<sup>nd</sup> hour.

**\*\*ADVANCED WELDING B – (11,12 grade-2 credit State Code: 13207A002)** Gas Metal Arc Welding (WEL 1210) first half of the semester and Shielded Metal Arc Welding (WEL 1215) the second half of the semester. It will follow the same day and time format of Monday, Tuesday, Wednesday, and Thursday from 7:30 AM – 8:35 AM at our West Richland campus in Noble with Maverick Fisher as the instructor. Shields, coats, and gloves will be available for student use on campus. There is a \$70 fee applied to all of our welding courses to cover material costs. Students will need to provide own transportation and be back for the start of 2<sup>nd</sup> hour.

**WOODS I (9, 10, 11, 12 – 1 credit – State Code: 21052A002)** – Production Technology is a course designed to foster an awareness, and understanding of manufacturing and construction technology. Through a variety of learning activities, students are exposed to many career opportunities in the production field. Experiences in manufacturing include product design, materials and processes, tools and equipment including the extent of understanding in the following areas: engineering design, manufacturing technologies, construction technologies, energy & power, information & communication technologies. Student Fee for this class of \$30.00

**WOODS II (10, 11, 12 – 1 credit – State Code: 21052A001)** – Production Technology is a course designed to foster an awareness, and understanding of manufacturing and construction technology. Through a variety of learning activities, students are exposed to many career opportunities in the production field. Experiences in manufacturing include product design, materials and processes, tools and equipment including computers, safety procedures, corporate structure, management, research and development, production planning, mass production, marketing and servicing. In construction, students are exposed to site preparation, foundations, building structures, installing utilities, and finishing and serving structures. (Prerequisite of Woods I) Student Fee for this class of \$30.00

**CONSTRUCTION TRADES I - (11, 12 – 2 credits – State Code: 17002A001)** – 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, and blueprint reading. Large Focus on Work Ethic. Must be in Construction Trades I A before Construction I B.

**CONSTRUCTION TRADES II - (11, 12 – 2 credits – State Code: 17002A002)** – 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, installing switch and outlet boxes, light fixtures, service entrances, roughing in and trimming our electrical devices and appliances, preparing foundations and footings, constructing residential chimneys and fireplaces, laying, jointing and pointing brick, and advanced building construction methods and codes. All learning experiences are designed to allow the students to acquire job-entry skills and knowledge. Large focus is on work ethic. Must be in Construction Trades II A before Construction II B.

## **BUSINESS**

**KEYBOARDING AND FORMATTING – (9, 10, 11, 12 – ½ credit – State Code: 12005A001)** – Keyboarding and Formatting is a course designed to develop basic skills in touch keyboarding techniques for entering alphabetic, numeric, and symbol information found on computers and terminals. Students will learn to edit and format text and paragraphs, change fonts, work with headers and footers, cut and paste text, create and use tab keys, create labels, and work with multiple windows. Students will format documents such as letters, envelopes, memorandums, reports, and tables for personal educational and business uses. During the second half of the course, major emphasis is placed on formatting documents, improving proofreading skills, and increasing speed and accuracy.

**\*\*BUSINESS AND TECHNOLOGY CONCEPTS – (9, 10, 11, 12 – 1 credit – State Code: 12001A001)** – This course will provide an overview of all aspects of business marketing and management, including the concepts, functions, and skills required for meeting the challenges of operating a business in a global economy. Topics covered will include the various forms of business ownership, including entrepreneurship, as well as the basic functional areas of business (finance, management, marketing, administration and production). Students will be introduced to a wide range of careers in fields such as accounting, financial services, information technology, marketing, and management. This course also includes business communications competencies such as writing, listening, reading and speaking skills in addition to nonverbal communications and interviewing skills. Other business competencies include consumer rights and responsibilities, checkbook, insurance, credit, banking, and investments. Business ethics as well as other workplace skills will be taught and integrated within the course. **THIS CLASS WILL SATISFY THE STATE CONSUMER EDUCATION REQUIREMENT.**

**COMPUTER CONCEPTS AND SOFTWARE APPLICATIONS – (9, 10, 11, 12 – ½ credit – State Code: 10004A001)** – Computer Concepts and Software Application is an orientation-level course designed to develop awareness and understanding of application software and equipment used by employees to perform tasks in business, marketing and management. Students will apply problem-solving skills to hands-on, real-life situations using a variety of software applications, such as word processing, spreadsheets, database management, presentation software, and desktop publishing. Students will explore topics related to computer concepts, operating systems, telecommunications and emerging technologies. The development of employability skills, as well as transition skills, will be included in the course as well as an understanding of the ethical considerations that arise in using information processing equipment and gaining access to available databases.

**ACCOUNTING I – (10, 11, 12 – 1 credit – State Code: 12104A001)** – Accounting I is a course that assists students pursuing a career in business, marketing, and management. This course develops initial and basic skills used systematically in computing, classifying, recording, verifying, and maintaining numerical data involved in financial and product control records including the paying and receiving of money. In addition to stressing basic fundamentals and terminology of accounting, instruction should provide understanding of debits and credits, preparation of budgets and financial reports, operation of computers, and career opportunities in the accounting field. Major topics include accounting procedures, special journals, accrued basis, payroll and employee benefits, financial statements, and periodic summary. **THIS CLASS WILL SATISFY THE STATE CONSUMER EDUCATION REQUIREMENT.**

**\*\* ACCOUNTING II – (11, 12 – 1 credit – State Code: 12108A001)** – Accounting II is a course that builds upon the foundation established in Accounting I. This course is planned to help students develop deeper knowledge of accounting with more emphasis placed on financial statements and accounting records. It is a study of generally accepted accounting principles, debits and credits, and journal entries. Topics covered are inventories, depreciation, cash flows, financial statement analysis, short and long-term debt, notes receivable and payable, long-term assets, partnerships, corporations, and manufacturing accounting. It is also a study of the more complicated types of business organizations: partnerships, corporations, branches, etc. Students will become familiar with specialized fields in payroll accounting, cost accounting, tax accounting and others. Students also have the option to earn certification in bookkeeping. Prerequisite: Accounting I with a grade of C or above or consent of Teacher and/or Administration.

**\*\*ACCOUNTING III – (12 – 1 credit – State Code: 12007A001)**– This course is a skill-level course that builds on the foundation established in Accounting I and II. This course is designed primarily for college-bound students with career objectives in business/computer/accounting fields. The emphasis is on understanding and applying basic accounting principles and other concepts that guide the reporting of the effect on transactions and other economic events on the financial condition and operating results of the business. Topics will include accounting for current assets and liabilities, long-term assets and liabilities, stockholder equity, corporations' cash flow statements, and financial statement analysis. Students will be introduced to basic issues of cost and management accounting. Skills are developed in the entry retrieval and statistical analysis of business data using computers for accounting business applications. Students have the option to earn certification in bookkeeping. **Prerequisite: Accounting I and II with a grade of C or above or consent of Teacher and/or Administration.**

**\*\* INFORMATION PROCESSING I - (10, 11, 12 – 1 credit – State Code: 10005A001) –** Information Processing I is a skill-level course that includes the concept and terminology related to the people, equipment, and procedures of information processing. Students will operate computer equipment to prepare memos, letters, reports, and forms. Students will create rough drafts, correct copy, and transmit and receive messages electronically as well as develop professional presentations. Students will create, input, and update databases and spreadsheets. Workplace skills as well as communication skills (thinking, listening, composing, revising, editing, and speaking) will be taught and integrated throughout this course. Certification will be offered in Microsoft Word, PowerPoint, Excel, and Access. Students will have the opportunity to work towards attending the Microsoft National Competition if their scores qualify.

**\*\* INFORMATION PROCESSING II/ DESKTOP PUBLISHING (11, 12 – 1 credit – State Code: 10005A002) –** This class will build on the word processing, spreadsheet, presentation. and database skills

attained in other computer courses. In addition to class assignments, there will be several projects. Some of these projects will include designing announcements, flyers, brochures, and newsletters. Students will be introduced to Intermediate/Advanced Microsoft. Students will create word processing documents, spreadsheets, databases, and presentations. Some projects will include utilizing Publisher for brochures, flyers, and newsletters. Workplace skills as well as communication skills (thinking, listening, composing, revising, editing, and speaking) will be taught and integrated throughout this course. Certification will be offered in Microsoft Word Expert and Excel Expert. Students will have the opportunity to work towards attending the Microsoft National Competition if their scores qualify. Prerequisite: Information Processing I.

## **CEO PROGRAM**

### **CEO PROGRAM (12 – 2 Credit- State Code: 12053A001)**

Our local business community partners with area schools to create project-based experiences for students by providing funding, expertise, meeting space, business tours, and one-on-one mentoring. Students visit area businesses, learn from guest speakers, participate in a class business, write business plans, and start and operate their own businesses. Business concepts learned through the experiential CEO class are critical; the 21st century skills of problem-solving, teamwork, self-motivation, responsibility, higher-order thinking, communication, and inquiry are at the heart of a student's development throughout the course. **Selection Process for class entrance. THIS CLASS WILL SATISFY THE STATE CONSUMER EDUCATION REQUIREMENT**

## **FAMILY AND CONSUMER SCIENCE**

**FOODS I - (9, 10, 11, 12 – ½ credit – State Code: 16054A001)** – This course includes classroom and laboratory experiences needed to develop a knowledge and understanding of culinary principles and nutrition for people of all ages. Course content encompass: food service and preparation management using the decision-making process; meeting basic needs by applying nutrition concepts; meeting health, safety, and sanitation requirements; maximizing resources when planning/preparing/preserving/serving foods. **Lab based class.**

**FOODS II - (9, 10, 11, 12 – 1/2 credit – State Code: 16054A002)** – Nutrition and Culinary Arts II provides principles of application to the hospitality industry, including nutrition, culinary, and entrepreneurial opportunities. Course content includes the following: selection, purchase, preparation, and conservation of food, dietary needs and trends, regional & international cuisine, safety and sanitation practices. **Lab based class.**

**ADVANCED FOODS - (10, 11, 12 – 1 credit – State Code: 16052A001)** – This course provides terminology, culinary math, and practical experiences needed for the development of culinary competencies and workplace skills. Safety and sanitation instruction and classroom application will prepare students for an industry recognized sanitation exam. Classroom experiences will develop skills to work in the front of the house, back of the house, and work stations. Additional content may include: event planning, customer service and relations, food service styles, baking and pastry arts, hors d'oeuvres, and breakfast cookery. Student will be provided opportunity training experiences on commercial equipment. **Lab based class.**

**TEXTILES AND DESIGN- (9, 10, 11, 12- 1/2 credit - State Code: 19204A002)**

This course is designed to provide basic knowledge and understanding of the design, development, and production of textile products. Through hands-on and project based learning experiences students will discover fiber characteristics, fabric construction methods, elements of science and design in textiles and apparel, and basic construction skills used in interior furnishings and apparel industries. This course emphasizes awareness and investigation of careers and industry trends in textiles. **Student will be responsible for purchasing materials for projects**

**INTERIOR DESIGN (9, 10, 11, 12 – ½ credit- State Code: 05193A000)** Interior Design courses emphasize applying the fundamental processes of artistic expression to design an interior living or working space. Students analyze and apply a variety of media, techniques, and processes in their interior design work. Courses may also include an understanding of aesthetic issues associated with interior design. Students study the art or process of designing the interior of a room or building and focus on enhancing the interiors of a space to achieve a healthy and more aesthetically pleasing environment. Students will study interior designs from historical, contemporary, and world cultures. Students engage in critique of their interior designs, the designs of others, and designs by professional interior designers for the purpose of reflecting on and refining work for presentation.

**CHILD DEVELOPMENT AND PARENTING - (9, 10, 11, 12 – ½ credit – State Code: 19052A001)**

Child Development and Parenting address 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, that support positive development of children. This course helps students understand the responsibilities, satisfactions and stresses of parenthood. Course content includes the following: managing and organizing parenting by applying decision-making and goal-setting skills; applying the basic principles of the parenting process; practicing health and safety standards as related to parenting; providing experiences which encourage parents and children to maximize resources; encouraging human relations skills in children/adolescents; community resource agencies and services; and evaluating impact on parenting of family and career changes. A requirement of this course is to utilize the Baby Think It Over-Infant simulator as a teaching tool.

**FAMILY AND CAREERS (9, 10, 11, 12- 1/2 credit- State Code: 19251A002)**

This course is designed to focus on the knowledge, attitudes, and behaviors needed to participate in positive, caring, and respectful relationships in the family, community, and workplace. This project-based course uses communication, leadership and management methods to develop knowledge and behaviors necessary for individuals to become independent, contributing, and responsible participants in family, community, and career settings. Emphasis is placed on the development of techniques and strategies to assist individuals in responding to situations presented in family relationships and the workplace. The course content includes: managing responsibilities, satisfactions and stresses of work and family life; analyzing personal standards, needs, aptitudes and goals; roles and responsibilities of living independently and as a family member; demonstrating goal-setting and decision-making skills; identifying and utilizing community resources; and developing effective relationships to promote communication with others. The course provides students content to identify resources that will assist them in managing life situations.

**RESOURCE MANAGEMENT - (10, 11, 12 – ½ credit – State Code: 19262A001)** – This course focuses on the identification and management of personal and family resources to meet the needs, values and wants of individuals and families throughout the life cycle. The course utilizes a variety of project-based experiences and service learning opportunities to gain knowledge and expertise in understanding

and applying management skills, with consideration to diverse social, economic, technological, environmental, and cultural characteristics of individuals and families. Topics include: consumer rights and responsibilities in the marketplace; financial responsibility and decision making; planning and money management; credit and debit; risk management and insurance; saving and investment; homeownership; state and federal taxes; career planning; electronic banking and current issues in the economy. **A consumer education course is required to graduate.**

**\*\*CHILD CARE I – (11, 12 – 2 credits – State Code: 19054A001 and 19055A001)** – (Lab based: students will be placed in classrooms as a student helper.) This course emphasizes the skills associated with the administration of the infant, child, and adult care facilities and education centers. Skills, strategies and issues related to caring for infants and special needs children and adults, where applicable, are included. Emphasis is placed on career opportunities, communication skills, human relations and the service needs of clients in the occupational area. The major learning experience will involve actual work with children and/or adults in facilities simulating those found in the workplace/industry, and discussion of the situations and problems that arise during the learning experiences. State licensing and certification requirements and regulations related to all aspects of care and education are stressed throughout the course. Careers in the occupational area will be investigated, including entrepreneurship. Must be in Child Care A before Child Care B

**\*\*CHILD CARE II – (12 – 2 credits – State Code: 1<sup>st</sup> semester 19151A001, 19152A001; 2<sup>nd</sup> semester 19198A003)**– This course is a continuation of Child Care I and will also be a lab based class. It provides students with information and practical experiences needed for the development of competencies related to child/adult care, day care, and other education services occupations. Laboratory experiences, either in a school-based or worksite learning facility are included throughout the class. Students meet standards in developing programs and assisting with children and/or adult's activities. Classroom study includes the philosophy and management of care centers and the state and local regulations governing care-giving operations. The learning experiences will involve working with children/adults simulating those found in business and industry, as well as preparation for developing and facilitating these activities. Must be in Child Care II A before Child Care II B

**COOPERATIVE EDUCATION - (CO-OP – 11, 12 – 2 credit – State Code: 22153A001)** Cooperative Career Education is a capstone course designed to assist students in the development of effective skills and attitudes through practical, advanced instruction in school and on the job. Students are released from school for their paid cooperative education work experience and are required to work 10 hours per week (360 hours per school year). Students are required to meet weekly with Cooperative Career Education Coordinator and discuss issues dealing with work ethic, job survival skills, and career explorations skills related to the job and improving students' abilities to interact positively with others and be successful in the workforce. Co-op skills related to the job refer to the skill development course sequences, the task list or related occupational skill standards of desired occupational programs. The course content includes the following broad areas of emphasis: further career education opportunities, planning for the future, job seeking skills, personal development, human relationships, legal protection, and responsibilities, economics, and the job, organizations and job termination. A qualified career and technical education coordinator is responsible for supervision. Written training agreements and student training plans are developed. The coordinator, student, and employer assume compliance with federal, state and local laws and regulation. **Must be enrolled in COOP A before COOP B.**



## **HEALTH RELATED**

**\*\*HEALTH OCCUPATIONS RELATED SKILLS – Will be held off campus at Clay County Hospital (12 – 2 credits – State Code: 1<sup>st</sup> semester: 14002A001 and 2<sup>nd</sup> semester: 14051A001)** – This course provides students with a core of knowledge to the health care industry and helps refine their health care-related knowledge and skills. The core of knowledge will develop the students' cognitive and affective skills in formulating a strong foundation for entry-level skill development. Topics covered usually include (but are not limited to) an overview of health care delivery: patient care, including assessment of vital signs, body mechanics, diet, anatomy and physiology; identification and use of medical equipment and supplies; medical terminology; hygiene and disease prevention; first aid and CPR procedures; laboratory procedures; and ethical and legal responsibilities. After successful completion, students will be able to take their CNA Boards costing \$75. Requirements/Prerequisites: 15 student limit for this class. **Selection Process for class entrance** based on Attendance, Behavior, Grades, Test Scores, and Application Essay. Mandatory meetings are required with Hospital and Frontier. Cost (approximate and subject to change): Background check: \$32.00, Basic Life Support CPR \$18, Flu Shot, 2 Step TB test. Class will begin at 7:30 A.M. Colleges courses would be Health Occupations and Medical Terminology for Fall Semester and CNA in the spring.

**\*\*MEDICAL TERMINOLOGY A (11,12, - .5 credit – State Code: 14154A001)** Medical Terminology courses students learn how to identify medical terms by analyzing their components. These courses emphasize defining medical prefixes, root words, suffixes, and abbreviations. The primary focus is on developing both oral and written skills in the language used to communicate within health care professions.

**\*\*STRUCTURAL KINESIOLOGY B: (11, 12 - .5 credit – State Code: 14062A001)** Sports Medicine courses introduce students to the basic principles and techniques for the prevention, recognition, treatment, and rehabilitation of common injuries and illnesses. Students may learn to measure cardiorespiratory endurance, muscular strength and endurance, flexibility, body composition, and blood pressure. Topics covered may include taping and bandaging, proper use of protective padding, treatment modalities, medical terminology, budgeting, and ordering supplies, as well as general operation of a training room facility. More advanced topics may include injury assessment, the phases of healing, and the use of exercise and equipment to help in the reconditioning of injured athletes.

## **CRIMINAL JUSTICE**

**\*\*CRIMINAL JUSTICE: (11, 12 SPRING ONLY 1 and 2 hour – State Code: 15051A007 and 15054A001)** Open to all schools in Clay County

**1st hour: Criminal Justice:** 15051A007 Criminal Justice courses train students to understand and apply the principles and procedures essential to the overall U.S. criminal justice system. Course topics vary and may include, but are not limited to, structure, history and philosophy of the federal, state, county, and municipal court systems; judicial appointment processes; arrest-to-sentencing sequences; laboratory, forensic, and trial procedure; probation and parole; state and federal correctional facilities; and system interrelationships with law enforcement agencies.

**2nd hour: Law Enforcement 1** 15054A001 This course is designed to prepare students to enter the fields of law enforcement and the criminal justice system. Instruction includes the history of law

enforcement and the legal system, report writing and recordkeeping, criminal investigation techniques, and routine police procedures. Students learn how to use communications and dispatch equipment, perform proper search and seizure techniques, conduct basic criminal investigations, and execute correct pursuit and arrest procedures. Instruction also includes patrolling techniques, private security operations, traffic investigations, and community relations.

## **SPECIAL EDUCATION**

### **LANGUAGE ARTS LABORATORY - (9, 10, 11, 12 – 1 credit – State Code: 01009A000) –**

Language Arts Laboratory courses provide instruction in basic language skills, integrating reading, writing, speaking, and listening, while placing great emphasis on the progress of individual students. Course content depends upon students' abilities and may include vocabulary building, improving spelling and grammar, developing writing and composition skills, reading silently or aloud, and improving listening and comprehension abilities.

**MATH ALGEBRA 1– (9, 10, 11, 12 – 1 credit – State Code: 02053A000)** – This course covers the same topics as Algebra I, including the study of properties of rational numbers, ratio, proportion, estimation, exponents, radicals, the regular coordinate system, sets and logic, formulas, and solving first degree equations and inequalities, translating word problems into equations, factoring of polynomials and solving simple quadratics.

**MATH 3 ALGEBRA II- (11, 12- 1-credit- State Code: 02054A000 )-** This course generally covers the same topics as Algebra II including the study of linear equations, functions inequalities; the quadratic equations, functions and graphs; polynomials; exponential and logarithmic functions; and trigonometry.

**MATH 2 INFORMAL GEOMETRY - (9, 10, 11, 12 – 1 credit – State Code: 02071A000)** – Informal Geometry courses emphasize a practical approach to the study of geometry and deemphasize an abstract, formal approach. Topics typically include properties of and work with plane and solid figures; inductive methods of reasoning and use of logic; concepts of congruence, similarity, parallelism, perpendicularity, and proportion; and rules of angle measurement in triangles.

**UNIFIED SCIENCE - (9, 10, 11, 12 – 1 credit – State Code: 03202A000)** – Unified Science courses combine more than one branch of science into a cohesive study or may integrate science with another discipline. General scientific concepts are explored, as are the principles underlying the scientific method and experimentation techniques.

**CONCEPTUAL BIOLOGY (9, 10, 11, 12 – 1 credit – State Code: 03062A000)** – These courses provide students with a basic understanding of living things. Topics covered may include ecology, and environmental problems such as overpopulation and pollution as well as cells, types of organisms, evolutionary behavior, and inheritance.

**PHYSICAL SCIENCE – (9, 10, 11, 12 – 1 credit – State Code: 03159A000)** – Physical Science courses involve study of the structures and states of matter. Typically, (but not always) offered as introductory survey courses, they may include such topics as forms of energy, wave phenomenon, electromagnetism, and physical and chemical interactions.

**STUDY SKILLS (RESOURCE SKILLS) - (9, 10, 11, 12-1 credit- State Code:22003A000)** Resource Skills: Study skills courses prepare students for success in high school and/or post-secondary education. Course topics may vary according to students involved. Students are required to document daily homework/assignments for each class in an agenda book. The course focuses on the following basic skills: reading fluency, reading comprehension, basic reading, math calculation, math reasoning and writing skills.

**CAREER EXPLORATION (LIFE SKILLS) –(9, 10, 11, 12 – ½ credit – State Code: 22151A000)** - Career Exploration courses help students identify and evaluate personal goals, priorities, aptitudes, and interests with the goal of helping them make informed decisions about their careers. These courses expose students to various sources of information on career and training options and may also assist them in developing job search and employability skills.

**EMPLOYABILITY SKILLS (VOCATIONAL SKILLS) – (9, 10, 11, 12 – ½ credit – State Code: 22152A000)** – Employability skills courses help students match their interest and aptitudes to career options with a focus on using employment information effectively, acquiring and improving job-seeking, and interview skills, composing job applications and resumes, and learning the skills needed to remain in and advance within the workplace. Course content may also include consumer education and personal money management topics.

**DIVERSIFIED OCCUPATIONS (STEP) (11, 12 – 2 credits – State Code: 22153A000)** – Diversified Occupations courses help students enter the workforce through career exploration, job search and application, and the development of positive work attitudes and work-related skills. These courses typically cover such topics as career planning and selection, money management, communications skills, interpersonal business relations and behaviors, and personal responsibility. Employment may be required component of these courses, or students may be required to enroll concurrently in a work experience course. **(Admittance to this class through special testing only).**

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## **DUAL CREDIT CLASSES (denoted by \*\*)**

These classes are upper division classes offered for college and/or high school credit.

Two options are available:

1. Class for high school credit only.
2. Class for high school and college credits.

Students must decide which option to take and fill out an application at the beginning of the class. There is no tuition fee unless noted. (Students need to check with the college they plan on attending to see if dual credit courses will transfer.)

### **ELIGIBILITY FOR DUAL CREDIT CLASSES**

1. ACT, SAT, PSAT, PSAT 10, ACCUPLACER scores, GPA, and High School Transcript will be used for determining if the student gets dual credit. (This determination is made by the college)
2. Junior and Senior status

#### **Dual Credit Classes through IECC**

**\*\*Subject to change depending on IECC Regulations & Mandates and FHS Instructors**

#### **Business:**

Accounting II – ACC 1102  
Accounting III – ACC 2101  
Business Tech – BUS 1101  
Information Processing I – DAP 1201  
Information Processing II – DAP 1203

#### **Agriculture:**

Ag Business – AGR 1231  
Ag Mechanics & Tech – AGR 2292  
Welding – WEL 1201  
Adv. Welding at WRC – WEL1210&WEL1215  
Horticulture – HRT 1208  
Horticulture II – AGR 1221

#### **Art:**

Art III – GAD 1213  
Art IV – ART 2298

#### **Family Consumer Science:**

Child Care I - ECD 1202  
Child Care II – ECD 1205

#### **Social Science:**

Sociology – SOC 2101  
Psychology -PSY 1101

#### **English:**

Honors English IV – ENG 1111 & ENG1121  
English IV College Prep -ENG 1111  
Speech SPE 1101

#### **Math:**

Technical Math- MTH1201  
Finite Math –MTH 1151  
Statistics- MTH 1131  
Trigonometry- MTH 1105  
Calculus- MTH 1171

#### **Health Fields:**

Health Occ. HEA 1203, HEA 1225, HEA 1204  
Structural Kinesiology – SPM 2104  
Medical Terminology – HEA 1225

#### **Science:**

Chemistry II – CHM 1130  
Physics – PHY 1110  
Forensic Science – LSC 1111

#### **Other**

Criminal Justice – JUS 1200 and JUS 1220