

**Farwell High School**  
**Course Curriculum Guide**



**Updated 2018**

**Note: Courses with \* are not offered every school calendar year.**

## Art

(100 codes)

All Art courses can cover the 1.0 visual performing arts credit.

### **Introduction to Art** **.5 Elective** **9<sup>th</sup>-12<sup>th</sup> Grade**

This course instructs students on how to produce art using a wide variety of art making concepts and techniques in a full range of art media (including wet and dry, 2-d and 3-d). In addition, art history and critical/aesthetic theory are learned and these ideas are explored through each individual's art making experiences.

### **Drawing I** **.5 Elective** **9<sup>th</sup>-12<sup>th</sup> Grade**

#### **Prerequisite: Intro to Art or Instructor Permission**

This course instructs students is on how to produce art using a wide variety of drawing techniques including but not limited to graphite, charcoal, pastel, pen and ink, and mixed media. Additionally, students explore many different styles and purposes of drawing from the fine art, to technical drawing, and illustration.

### **Drawing II** **.5 Elective** **9<sup>th</sup>-12<sup>th</sup> Grade**

#### **Prerequisite: Drawing I**

This course is a continuation of Drawing I. It instructs students on how to produce art using a wide variety of drawing techniques including, but not limited to, graphite, charcoal, pastel, pen and ink, and mixed media.

### **Printmaking\*** **.5 Elective** **10<sup>th</sup>-12<sup>th</sup> Grade**

#### **Prerequisite: Drawing I**

This course explores the different possibilities of water-based screen-printing in a professional print shop atmosphere. Students can gain a solid working knowledge of screen printing PLUS intaglio, linoleum and block printing, direct transfer, and mono printing. The course will include all traditional fine art print making techniques; blend art, applied science, applied math, and construction tech. Along with addition techniques such as outputting, mixing gradations with ink, and color process printing are demonstrated and employed. Through projects, demonstrations, and critiques, students will create a cohesive body of work and utilize print making skills for their own individual artistic growth.

### **Studio Art** **.5 per trimester** **10<sup>th</sup>-12<sup>th</sup> Grade**

#### **Prerequisite: Drawing II or Instructor Permission**

This course allows students to expand their knowledge and skills on an individual basis through exploring media and techniques that interest and challenge them. Students propose their own projects on a contractual basis and reflect upon their work, problem-solving process, and final product in a series of written critiques and reflections.

## **Business and Computers**

(200, 300, 1500 codes)

.5 credit of online experience/computers is required to graduate from Farwell High School

### **Auto CAD\***

**.5 Elective**

**9<sup>th</sup>-12<sup>th</sup> Grade**

*\*Can count as elective math credit* Auto CAD (Computer Aided Drafting) will introduce students to the concepts of drafting and design. Units of study will include mechanical, architectural, and package engineering using both 2D and 3D drawings. *NOTE: Students must maintain computer privileges according to the district's acceptable use policy to successfully complete this course.*

### **Business Management and Technology I**

**.5 Elective**

**9<sup>th</sup>-12<sup>th</sup> Grade**

This course focuses on employability skills. Students will create their own professional resume and letter of application. Students will learn to tactfully give answers to the 64 Most Asked Interview Questions and be given tips for professional interviewing techniques and appropriate dress for an interview. MS Word and MS Excel will be used to learn business applications in word processing and spreadsheet applications. Students will also read "Seven Habits of Highly Effect Teens," by Sean Covey to learn positive techniques for interacting with all personality types. *NOTE: Students must maintain computer privileges according to the district's acceptable use policy to successfully complete this course.*

### **Business Management and Technology II\***

**.5 Elective**

**9<sup>th</sup>-12<sup>th</sup> Grade**

#### **Prerequisite: BMT I**

This course will continue to focus on business applications in MS Word, MS Access, and MS PowerPoint. Students will learn and discuss interpersonal effectiveness, positive work habits, telephone, and business etiquette. Students will continue reading "Seven Habits of Highly Effect Teens" and examine how interpersonal skills can be applied in the workplace. *NOTE: Students must maintain computer privileges according to the district's acceptable use policy to successfully complete this course.*

### **BEST FOCUS I & II**

**1.0 Elective**

**10<sup>th</sup> – 12<sup>th</sup>**

**Note: 2 hour block course**

**\*\*Can Count As Math/VPA Credit**

BEST FOCUS stands for "Business, Engineering, Science, and Technology – Fostering Opportunities, Cross-examination, Understanding, and Success." This course is designed to provide students an opportunity to explore a variety of career clusters related to business, engineering, science, and technology. This transitional course allows students to explore career options and serves as both a feeder and as an enhancement to the CTE program. In addition, it partners with local community and business leaders as well as post-secondary training institutions to provide students with a better understanding of the careers available in the 21st century. *NOTE: Students must maintain computer privileges according to the district's acceptable use policy to successfully complete this course.*

**Computer Applications** .5 Elective 9<sup>th</sup>-12<sup>th</sup> Grade Computer Applications in an introductory computer course that focuses on improving touch- typing skills. In addition, students will gain experience using Microsoft Word features and shortcuts to format a variety of documents (memos, business letters, and academic reports). *NOTE: Students must maintain computer privileges according to the district's acceptable use policy to successfully complete this course.*

**Computer Science I\*** .5 Elective 10<sup>th</sup>-12<sup>th</sup> Grade  
\*Can count as elective math or science

**Prerequisite: Algebra I/Geometry A Credit (Geometry A can be concurrent).**

This is an introductory course in computer science embracing problem solving, hardware, algorithms, and perspectives that help people utilize computers to address real-world programs in contemporary life. *NOTE: Students must maintain computer privileges according to the district's acceptable use policy to successfully complete this course.*

**Computer Science II\*** .5 Elective 10<sup>th</sup>-12<sup>th</sup> Grade  
\*Can count as elective math or science

**Prerequisite: Computer Science I.**

Computer Science II continues to help students explore problem solving and the designing of strategies/methodologies that help people utilize computers to address real-world programs in contemporary life. *NOTE: Students must maintain computer privileges according to the district's acceptable use policy to successfully complete this course.*

**Computerized Accounting\*** .5 Elective 10<sup>th</sup>-12<sup>th</sup> Grade  
\*Can count as elective math credit

Students will gain experience in service and merchandising business accounting systems both manually and computerized. Areas of study include double entry accounting, preparing journals, ledgers, payroll accounting procedures, and financial statements for single owned and partnership businesses. *NOTE: Students must maintain computer privileges according to the district's acceptable use policy to successfully complete this course.*

**Digital Graphics I** .5 credit 9<sup>th</sup>-12<sup>th</sup> Grade Digital Graphics students will learn the basic tools of Photoshop to manipulate and edit existing images as well as create new documents. Units of study will include photo manipulation, advertising, and animation. *NOTE: Students must maintain computer privileges according to the district's acceptable use policy to successfully complete this course.*

**Digital Graphics II\*** .5 credit 9<sup>th</sup>-12<sup>th</sup> Grade  
**Prerequisite: Digital Graphics I.**

Digital Graphics II students will continue learning about the tools of Photoshop to manipulate and edit existing images as well as create new documents. These students will focus on advancing their skills through the design program. *NOTE: Students must maintain computer privileges according to the district's acceptable use policy to successfully complete this course.*

**Web Design I\*****.5 credit****9<sup>th</sup>-12<sup>th</sup> Grade**

In web design, students will design and create a variety of websites using different design software including HTML coding, Microsoft Front Page, and Adobe Dreamweaver. Emphasis will be placed on design principles as well as the ethical use of technology and on-line resources. *NOTE: Students must maintain computer privileges according to the district's acceptable use policy to successfully complete this course.*

**Web Design II\*****.5 credit****9<sup>th</sup>-12<sup>th</sup> Grade****Prerequisite: Web Design I.**

Students will continue to design and create a variety of websites using different design software including HTML coding, Microsoft Front Page, and Adobe Dreamweaver. The advanced students will focus on different software and skills. Emphasis will continue to be placed on design principles as well as the ethical use of technology and on-line resources. *NOTE: Students must maintain computer privileges according to the district's acceptable use policy to successfully complete this course.*

**Service Learning****.5 Credit****Grades 9-12**

This course gives the student the opportunity to grow academically, pre-professionally, personally and civically through participation in a service-learning experience. Students meet real needs in the community by applying knowledge from their course.

**Work Study****.5 Elective****11<sup>th</sup>-12<sup>th</sup> Grade****1.0 Elective (may be an option)**

Work Based Learning Experience is a one-hour (or two-hour) class designed for seniors and juniors (by permission only) who are gaining work experience toward their career goal. Students must have been or currently be enrolled in a related academic class that relates to their job and helps prepares the student for their career goal. Students must have employment prior to enrolling in the class, and that employer must be willing to provide the school district with their carrier/policy numbers for worker's disability and liability insurance. Students are required to updated their EDP's, pass Safety tests, write two essays per trimester, and complete weekly time sheets/journals in addition to their job. *Any student who does NOT meet the minimum hour requirement and/or terminates employment during the trimester will automatically not receive credit in the course.*

## English/Language Arts

(500 codes)

4.0 English Credits are required to graduate from Farwell High School

### **ELA/English 9**

**1.0 or 1.5 Required**

**9<sup>th</sup> Grade**

ELA/English 9 covers all three trimesters in 9<sup>th</sup> grade. These courses are focused around learning and developing reading fluency and comprehension strategies. Much of the focus will be using Reading Apprenticeship strategies. ELA/English 9 is a basic survey course in which students will be exposed to many different genres of writing and literature. The focus will be on the Common Core Standards. Skills such as basic essay structure will be taught, along with reading comprehension strategies. Much of the text that will be used will be non-fiction, or information text, along with a mixture of fiction. *Note: Offered as traditional and team taught.*

### **English 10 A/B**

**1.0 Required**

**10<sup>th</sup> Grade**

This course is an in-depth study of American Literature. The focus will be on American Literature pieces, as well as composition skills. Emphasis will be on both fiction and non-fiction, as well as the standard MLA Format essay. The focus will be on the Common Core Standards. Students will continue to build on essay structure and reading comprehension strategies. *Note: Offered as traditional and team taught.*

### **English 11 A/B**

**1.0 Required**

**11<sup>th</sup> Grade**

This course is an in-depth study composition and literature course focused on British literature. Students will analyze texts, compose complex research and analysis papers, and critically engage with current social issues. The focus continues to be on Common Core Standards. *Note: Offered as traditional and team taught.*

### **English 12 A/B**

**1.0 Required**

**12<sup>th</sup> Grade**

English 12 is a senior level composition and literature course focused on preparing students for college level courses. Students will analyze texts, compose complex research and analysis papers, and critically engage with current social issues. The focus remains on Common Core Standards. *Note: Offered as traditional and team taught.*

### **Novels**

**.5 Credit**

**Grades 10-12**

This course has two primary goals: (1) for the student to become acquainted with real-life and mythology pieces of literature and (2) to become better readers, speakers, and writers. Novels can be taken more once as trimester content is divided between mythology and real-life novels. The course itself will include a class novel as well as a choice novel. Writing components are imbedded within the course.

### **English (Yearbook/Newspaper)**

**.5 per tri, Elective**

**11<sup>th</sup>-12<sup>th</sup> Grade**

**Prerequisite: Instructor Permission Only.**

This is an Independent Study publications course where students are responsible for producing the high school newspaper, The Talon, and the school yearbook, The Eagle. The fundamentals of writing, layout, and design are essential. Students must be self-directed and independent learners. Computer skills are essential. Good attendance is a priority. Inter-personal communication skills and the ability to conduct face-to-face interviews are necessary to be successful in this course.

**MID ENG110 – Academic Writing      1.0 Credit HS/ 3.0 College      11<sup>th</sup>–12<sup>th</sup>      Grade**

**Prerequisite: Eligible for Dual Enrollment and Meet Placement Guidelines for Course** This course is offered through Mid Michigan College on both Farwell's campus and at both MID campuses. It is meant to serve as a companion course to ENG 111, and will utilize the same goals and outcomes. However, ENG 110 is designed to provide incoming students a more gradual and more thorough introduction to the textual practices required in college (such as evidence, critical analysis, considering rival points of view, or synthesizing a new position). This course will focus on how to read, annotate, and respond to academic texts, and will also introduce students to writing strategies designed to make them successful academic writers.

**MID ENG111 – Freshmen English Composition**

**1.0 Credit HS/ 3.0 College      11<sup>th</sup>–12<sup>th</sup> Grade**

**Prerequisite: Eligible for Dual Enrollment and Meet Placement Guidelines for Course**

This course prepares a student for academic writing in the college setting, and concentrates on analyzing and discussing written sources. Emphasis is on writing that shows insight into published discussions of an issue and understanding of the contexts of academic debate (rather than on informational reports or personal expression essays). In addition, research and revision are treated as integral parts of the process of writing an academically acceptable essay. By the end of the course, a student must show 'competency' in an academic portfolio of selected essays.

## **World Language**

(600 codes)

2.0 World Language Credits are required to graduate from Farwell High School

\*\*Can be earned in grades K-12. The 2<sup>nd</sup> credit can be substituted for CTE and/or additional Visual Performing Arts Courses.

### **Spanish 1 A/B\***

**1.0 Required 2016+**

**9<sup>th</sup>-12<sup>th</sup> Grade**

Currently, Hispanics are the largest minority in the United States and we are the third largest Spanish-speaking country in the world: being bilingual and bicultural is an important job skill. In addition, Spanish is the second most important language in international business and is spoken by about 500 million people in the Americas, Europe, Africa, and Asia. This course begins the study of Spanish language and culture by developing the communicative modes: interpersonal, interpretive, and presentational. The study of cultural practices, history, and geography of Spanish-speaking peoples continues as students develop basic grammar structure, vocabulary, and conversational skills in the present tense. Students will be expected to communicate on a variety of topics in Spanish and use English as infrequently as possible. In addition, this course will strive to heighten the student's bicultural awareness of the Hispanic cultures within the United States and around the world through textbook readings, music, supplemental materials, and the study of current events.

### **PLATO Spanish A/B**

**1.0 Required 2016+**

**9<sup>th</sup>-12<sup>th</sup> Grade**

For students who do not wish to earn their required foreign language credit through the traditional classroom experience, PLATO Spanish A/B is an option. This course is for independent learners who are self-motivated to learn via the PLATO computer program. Because it is self-paced, students can advance on their own.

### **Spanish 2 A/B\***

**1.0 Required 2016+**

**9<sup>th</sup>-12<sup>th</sup> Grade**

\*Second World Language Credit can be substituted with CTE and/or additional VPA Courses.

This course continues the study of the Spanish language by developing the communicative modes (interpersonal, interpretive, and presentational) to the novice high level. The target language will move to the primary language of instruction as student proficiency increases; the recommendation is at least 90% of the class is taught in the language. The study of culture, history, and geography of the Spanish-speaking peoples continues as students develop the ability to speak in the past tense with an increasing vocabulary. Students will be expected to communicate on a variety of topics in Spanish and use English as infrequently as possible. In addition, this course will strive to heighten the student's bicultural awareness of the Hispanic cultures in the United States and around the world through textbook readings, movies and television, music, supplemental materials, and the study of current events.

### **MID SPN101 – Elementary Spanish I Enrollment Guidelines**

**1.0 Credit/4.0 College Credit Prerequisite: Meet Dual**

This dual enrolled course is designed to introduce students to basic conversational Spanish. It emphasizes essential grammar and touches on Hispanic culture since culture is an essential part in learning a new language. Student should, upon course completion, have the ability to speak, write, and understand basic Spanish conversation.



**MID SPN102 – Elementary Spanish II**                      **1.0 Credit/4.0 College Credit Prerequisite: Meet Dual Enrollment Guidelines and Completion of SPN101**

Spanish 102 is a continuation of SPN 101; therefore, it will begin with a review of the material covered in Spanish 101. Students in Spanish 102 will continue the study of grammar and vocabulary and will use these to communicate utilizing speaking, writing, listening, and reading skills. The course is designed to provide the basis for further study of Spanish at an intermediate level. Students are expected to study the material outside of class and come to class prepared to participate.

**Educere French I**    **1.0 Credit**    **Virtual Learning**

This is a self-paced online course through Founders Education. The course must be completed by the school's end date within 9 months. A multi-media, game-based approach makes this introductory French course different from traditional approaches to language learning. Advanced teaching techniques are used to turn compelling adventures and activities into rigorous lessons in grammar and vocabulary. This course provides a solid foundation for reading, speaking, writing, and understanding French and cultivates a passion for the language through exposure to culture and dynamic experiences of real people and real places. This course also features adaptive learning technology and lets students select the learning style that's right for them. Course content is delivered through streaming audio and video via the internet. Students must have access to a microphone and a headset is recommended.

**Educere French I - Basic**    **1.0 Credit**    **Virtual Learning**

This is a self-paced online course through Founders Education. This basic course must be completed by the school's end date within 9 months. French I Basic provides students with ample opportunities to comprehend vocabulary and grammar on various themed chapters. Students will be afforded the opportunity to apply the vocabulary and grammar to authentic readings, pictures, videos, and activities that the student can hear and match with visual cues. Students will also be assessed on the development of their auditory, oratory, and written skills. Furthermore, students will be introduced to the various cultural aspects of French traditions, foods, and customs. Course content is delivered through streaming audio and video via the internet. Students must have access to a microphone and a headset is recommended.

**Educere German I**    **1.0 Credit**    **Virtual Learning**

This is a self-paced online course through Founders Education. This course must be completed by the school's end date within 9 months. This course provides students with an introduction to the German language. Students begin their language study and development with the following four language skills: listening, writing, reading, and speaking through a variety of content related activities. The themes covered throughout the course are: introductions and greetings, friends and family, school subjects and classroom objects, free time activities, daily routines, and living. Students will learn basic grammar concepts and vocabulary in order to communicate with others in variety of real world situations in the German language. Culture is incorporated throughout each unit in an effort to help the student gain a more global understanding of cultures and customs worldwide. This course provides students with an introduction to the German language. Students begin their language study and development with the following four language skills: listening, writing, reading, and speaking through a variety of content related activities. The themes covered throughout the course are: introductions and greetings, friends and family, school subjects and classroom objects, free time activities, daily routines, and living. Students will learn basic grammar concepts and vocabulary in order to communicate with others in variety of real world situations in the German language. Culture is incorporated throughout each unit in an effort to help the student gain a more global understanding of cultures and customs worldwide. Course content is delivered through streaming audio and video via the internet. There is also real-time web-based text meeting access. Students must have access to a microphone and a headset and German-English dictionary is recommended.

**Educere Spanish I****1.0 Credit Virtual Learning**

This is a self-paced online course through Founders Education. This course must be completed by the school's end date within 9 months. Students will be introduced to the Spanish language through in-depth lessons, participate in thoughtful forum discussions, and learn to interpret and produce the language in both written and oral form. Vocabulary topics explored include introductions, family relationships, telling time, morning routine, places around town, weather, sports/leisure activities, food, body parts, illnesses, and clothing. Grammar topics explored include noun/adjective agreement, commands, present tense verb conjugation, stem changing verbs, reflexive verbs, present progressive tense, simple future tense, direct object pronouns, and demonstrative adjectives. These vocabulary and grammar topics combined with cultural exploration make this course a dynamic, comprehensive beginner level Spanish course. Course content is delivered through streaming audio and video via the internet. There is also real-time web-based text meeting access. Students must have access to a microphone and a headset.

**Educere Spanish I – Basic****1.0 Credit Virtual Learning**

This is a self-paced online course through Founders Education. This course must be completed by the school's end date within 9 months. This course is designed to provide a basic understanding of fundamental concepts and their applications while reinforcing and developing skills essential for continued success as life-long learners. Spanish I Basic students will be introduced to the Spanish language through in-depth lessons, participate in thoughtful forum discussions, and learn to interpret and produce the language in both written and oral form. Vocabulary topics explored include introductions, family relationships, telling time, morning routine, places around town, weather, sports/leisure activities, food, body parts, illnesses, and clothing. Grammar topics explored include noun/adjective agreement, commands, present tense verb conjugation, stem changing verbs, reflexive verbs, present progressive tense, simple future tense, direct object pronouns, and demonstrative adjectives. These vocabulary and grammar topics combined with cultural exploration make this course a dynamic, comprehensive beginner level Spanish course. Course content is delivered through streaming audio and video via the internet. There is also real-time web-based text meeting access. Students must have access to a microphone and a headset.

## Industrial Arts/Woods

(700 Courses)

These courses can all fulfill the 1.0 Visual Performing Arts Requirement.

### **Wood Tech**

**.5 Elective**

**9<sup>th</sup>-12<sup>th</sup> Grade**

This is an introductory class to woodworking. Students will learn about tools and their uses and safety in the woodshop. Students will get the chance to build several projects incorporating these tools.

### **Outdoor Woods**

**.5 Elective**

**9<sup>th</sup>-12<sup>th</sup> Grade**

**Prerequisite – Wood Tech or instructor permission.**

This woodshop class is slightly more advanced and focuses on building larger outdoor items and furniture. Students get many hands-on opportunities and must be able to work well with others.

### **Construction Tech\***

**.5 Elective**

**9<sup>th</sup>-12<sup>th</sup> Grade**

**Prerequisite: Wood Tech or instructor permission.**

A more advanced class where students will learn how to build a house from the ground up. Excavation, framing, roofing, and siding are several of the components discussed. Students will build a scale model.

### **Furniture \* Cabinet Making**

**.5 Elective**

**9<sup>th</sup>-12<sup>th</sup> Grade**

**Prerequisite: Wood Tech or instructor permission.**

A more advanced woodworking class that focuses on in school projects. Fasteners, routing, joining wood, and trim work are main components to this class.

### **Introduction to Fabrication**

**.5 Elective**

**9<sup>th</sup>-12<sup>th</sup>**

**Grade**

**Prerequisite: Wood Tech or instructor permission.**

**\*\*Can fulfill math elective credit**

Introduction to Design and Fabrication is a course that provides students with an opportunity to explore a variety of career clusters related to Engineering/Manufacturing, Business/Technology, and Visual Arts. This transitional course allows students to explore career options and serves as both a feeder and as an enhancement to our CTE programs. Students in this course will use cross curricular and interdisciplinary skills (art and design, math, science/technology, and woodworking/fabrication) to solve a series of design problems through innovation and fabrication of a solution. Students will learn and exhibit the design process in order to formulate successful solutions and have exposure to 21st century manufacturing employment skills.

Through this course, students will expand on their existing math skills by budgeting the cost of projects; expanding their geometric skills in designing; and utilizing their knowledge of fractions in the creation of accurate drafts, scale models and prototypes. Additionally, it is a goal of the course to give students opportunities to consider various career possibilities and work on projects to better the lives of the school and the community.

### **Forestry Management & Conservation 1.0 Credit**

**Application Required**

New for 2019-2020. Trimester 3 during 4th & 5th hours (block for 1.0 credit)

Covers Elective Math, Elective Science, and/or a VPA Credit towards graduation.

*Prerequisite: Students must have previously taken Wood Technology and at least one other woodshop course (i.e. Outdoor Woods, Furniture, Intro to Fabrication, Construction Tech). Enrollment application preference for juniors and seniors.*

This course is designed to be a hands-on class that allows the student to have the opportunity to do field work in our forests. Students will learn how to identify trees and plants and animals. They will study the interactions of wildlife, as well as, learn how to care for our forests. In addition, students will get hands-on experiences with sustainable tree cutting, sawmilling, stacking and drying lumber, and the overall development of the land.

## **Mathematics**

(800 codes)

4.0 Math Credits are required to graduate including Algebra I, Geometry, Algebra II, and 1.0 Elective Math.

### **Pre-Algebra**

**.5 Credit**

**9<sup>th</sup> Grade (Fall)**

This course reinforces mathematical skills taught in middle school with additional advanced computation including an emphasis on Algebraic concepts. Students study fractions, decimals, percents, positive and negative integers and rational numbers. They become more proficient in using ratios, proportions and solving algebraic equations. Students will develop and expand problem solving skills (creatively and analytically) in order to solve word problems. Students continue to practice using math skills to solve word problems and to think creatively and analytically. Students will use manipulatives and calculators. Successful completion of this course prepares students for success in Algebra 1. Enrollment in this course is based on teacher referral.

### **Algebra 1 A/B**

**1.0 Required**

**9<sup>th</sup> Grade**

This mandatory course covers the fundamental concepts of algebra that will prepare students to approach and solve problems following a logical succession of steps. Topics in this course include: tools of algebra, solving equations, inequalities, systems of equations, exponents, polynomials, linear functions, and quadratic functions.

### **Algebra 2 A/B**

**1.0 Required**

**10<sup>th</sup>-12<sup>th</sup> Grade**

The mandatory course continues with the concepts of Algebra 1 and also includes polynomials, exponentials, rational expressions and equations, statistics, and probability.

### **Geometry A/B**

**1.0 Required**

**10<sup>th</sup>-12<sup>th</sup> Grade**

This mandatory course is designed to emphasize the study of the properties and application of common geometric figures in two-dimensions and three-dimensions. It includes the study of transformations and right triangle trigonometry. Inductive and deductive thinking skills are used in problem solving situations.

### **College Prep Math**

**.5 Elective**

**11<sup>th</sup>-12<sup>th</sup> Grade (Fall)**

This elective course reviews concepts from Algebra II and Geometry and prepares students for MID MAT105 and beyond. Topics include the twelve functions and function operations, trigonometry, statistics, and probability. The course is designed to help students have success in college math courses.

### **Financial Mathematics**

**.5 Elective**

**11<sup>th</sup>-12<sup>th</sup> Grade**

This elective course is designed to provide financial literacy through basic financial principles involved with earning, spending, saving, borrowing, and investing. (Financial Literacy Resource Guide for K-12; [http://www.michigan.gov/mde/0,1607,7-140-28753\\_38684\\_28759---,00.html](http://www.michigan.gov/mde/0,1607,7-140-28753_38684_28759---,00.html))

**Math Support\*****1.0 Elective****9<sup>th</sup>-12<sup>th</sup> Grade**

This elective course is designed to provide students additional time for learning math content from a coinciding math class. Students will learn study skills, learn how to be organized, develop standardized test taking skills, and develop confidence in learning math. Students will also have time to complete their daily math homework while receiving any necessary help.

**MID MAT105 – Intermediate Algebra****1.0 HS / 3.0 College Credits****Dual****Prerequisite: Minimum grade of C in MAT 104 or placement into MAT 105.**

Intermediate Algebra is a course designed for students with prior knowledge of basic algebra. This course will focus primarily on rational, quadratic, and radical expressions, equations, and functions.

**MID MAT107 – College Algebra 1.0 HS / 3.0 College Credits Dual****Prerequisite: Successful completion of MAT 105 (with a minimum grade of C) or equivalent.**

Students in College Algebra will study real and complex numbers, linear functions, quadratic functions, zeros of functions, interpreting graphs, linear and quadratic inequalities, polynomial and rational functions, exponential and logarithmic functions, the algebra of functions, and conic sections.

## **Music**

(900 codes)

Both Band and Choir courses cover the Visual Performing Arts Credit.

### **Band A/B/C**

**.5 per trimester**

**9<sup>th</sup>-12<sup>th</sup> Grade**

The Symphonic Band is to provide a large instrumental ensemble for students to experience all aspects relative to the performance of varying levels of band music. New, as well as standard repertoire of artistic and educational natures, will be performed by this ensemble. The Symphonic Band will also be called the Marching Band for any marching events and will actively perform at football games, marching invitationals and parades. Members of the Symphonic Band will also make up the Pep Band for some of the home basketball games. This will be on a volunteer basis.

### **Choir A/B/C**

**.5 per trimester**

**9<sup>th</sup>-12<sup>th</sup> Grade**

All students in choir are required to participate in ALL performances including concerts, festivals, and performances. A significant part of the grade given from the course is based on the student's participation in said activities. Course goals are as follows: to learn proper singing technique, enhance each student's ability to work as a functioning member of a team, to learn music fundamentals, develop strong sight-singing skills, and to expose students to high quality choral literature.

## **Physical Education and Health**

(1000 & 1100 Codes)

.5 credit in Health and .5 Physical Education credit are required.

### **Health**

**.5 Required**

**9<sup>th</sup> Grade**

Health is a required class discussing topics such as: mental, social, physical health, safety, stress management, nutrition, drugs, alcohol, tobacco and human sexuality.

### **Advanced Health\***

**.5 Elective**

**10<sup>th</sup>-12<sup>th</sup> Grade**

Advanced Health is an opportunity for the student to take a deeper look into health issues that affect them. Topics covered include cancer, diseases, violence, medical terminology, and health in the news.

### **Healthy Family\***

**.5 Elective**

**9<sup>th</sup>-12<sup>th</sup> Grade**

Healthy Families is an opportunity for the student to examine personal characteristics, communication skills, relationships, family roles, changing family styles in society, the stages of dating, and marriage issues.

### **Physical Education I\***

**.5 Credit**

**9<sup>th</sup>-10<sup>th</sup> Grade**

***Required to dress and participate to earn credit***

An introductory Physical Education course where students learn basic fitness aspects with sports. In PEI, students work on teamwork, sportsmanship, and the basic rules and strategies of various sport activities.

### **Conditioning & Training**

**.5 Credit**

**9<sup>th</sup>-12<sup>th</sup> Grade**

***Required to dress and participate to earn credit***

The goal is to provide an extended level of weight and agility/speed training to those athletes who enter the building with a working knowledge of athletics and plan on participating in interscholastic competition. Three days per week will be strength training in the weight room facility while developing agility and speed through drills on the remaining two days. Commitment is made on a daily basis to instruct the students on personal hygiene, appearance, attitude, and demeanor around teachers, parents, and classmates. It is available as a one, two, or three trimester course.

### **Women's Fitness\***

**.5 Credit**

**9<sup>th</sup>-12<sup>th</sup> Grade**

***Required to dress and participate to earn credit***

Women's Fitness is one of the physical education courses that could fill your P.E. requirement. This class is for the teenage girl who wants to be healthier. Participation is a must! Through activities such as; aerobics, weight lifting, yoga, walks, stations, Zumba, and Tae Bo you will turn into a leaner healthier person.

**Recreational Activities****.5 Credit****9<sup>th</sup>-12<sup>th</sup> Grade*****Required to dress and participate to earn credit***

Students will learn a variety of sport activities that have life long value. These activities include both individual sports and team sports such as golf, archery, tennis, badminton, softball, basketball, and many other similar activities that go along with the fitness for life theme. This course is available as a one, two, or three trimester course.

**Varsity Sports****.5 Credit****9<sup>th</sup>-12<sup>th</sup> Grade *Required******to dress and participate to earn credit. Must be involved in a sport during the trimester enrolled.***

This course is designed to complement the athletic program that the student is involved in. It will focus on athletic technique, philosophies, leadership, competition, and game/opponent analysis for a multitude of sporting events. This course is available as a one, two, or three trimester course consistent with the changing sports seasons.



## **Science**

(1100 Codes)

3.0 credits are required to graduate including Biology I, Chemistry/Physics, and 1.0 elective

### **Physical Science A**

**.5 Required**

**9<sup>th</sup> Grade**

This course will focus on the Structure and Properties of Matter, Chemical Reactions, and Energy, specifically energy in chemical process and everyday life. It introduces the concepts of General Chemistry.

### **Physical Science B**

**.5 Required**

**9<sup>th</sup> Grade**

This course will focus on Forces and Interactions, Waves and Electromagnetic Radiation, and Energy. It introduces the concepts of General Physics.

### **Earth Science**

**.5 Required**

**9<sup>th</sup> Grade**

This course will focus on Space Systems, History of Earth, Earth's Systems, Weather and Climate, and Human Sustainability.

### **Biology A/B**

**1.0 Required**

**10<sup>th</sup> Grade**

Biology will focus on Structure and Function; Matter and Energy in Organisms and Ecosystems, and Interdependent Relationships in Ecosystems (partial) in part A. In Biology B, the course will include the completion of Interdependent Relationships in Ecosystems, Inheritance and Variation of Traits, and Natural Selection and Evolution.

### **First Aid/Physical Therapy/ Athletic Training (FPA)**

**.5 Elective**

**10<sup>th</sup>-12<sup>th</sup> Grade**

Anatomy FPA is an elective science course which focuses on real life application of human anatomy and physiology. Students will learn basic human anatomy as well as introductory lessons in crisis management, CPR, AED, and First Aid, Physical Therapy, and Athletic Training.

### **Forensic Science I\***

**.5 Elective**

**10<sup>th</sup>-12<sup>th</sup> Grade**

Introductory course in forensic science with a primary focus on analyzing physical evidence found at crime scenes.

### **Forensic Science II\***

**.5 Elective**

**10<sup>th</sup>-12<sup>th</sup> Grade**

Prerequisite: Forensic Science I

This course is a continuation of forensic science I with a more in-depth look at analyzing physical evidence found at crime scenes.

### **Biology II A/B**

**1.0 Elective**

**11<sup>th</sup>-12<sup>th</sup> Grade**

Introduces principles and concepts of the kingdom classification system. It enhances learning with labs such as dissection and microscopes. Anatomy and physiology of the human body will be covered.

**Chemistry A/B****1.0 Credit****11<sup>th</sup>-12<sup>th</sup> Grade****\*\*Covers Chemistry/Physics Requirement**

The majority of this course is the study of inorganic chemistry, but portions will also cover organic chemistry. An emphasis is put on hands-on labs and mathematical calculations. General topics in this college-bound chemistry course are The Structure of Matter, Chemical Bonding, Acids, Bases, and Gas Law.

**Physics A/B\*****1.0 Credit****11<sup>th</sup>-12<sup>th</sup> Grade****\*\*Covers Chemistry/Physics Requirement *Prerequisite:***

***having passed Algebra II or concurrently taking Algebra II, Instructor Permission.*** Physics is designed to teach students about the physical world around them. An emphasis is put on hands-on labs and mathematical calculations. The general topics covered include Forces and Motion; Work and Energy; Heat and Thermodynamics; Waves, Sound, and Light; and Electricity and Magnetism.

**Ecology\*****.5 Credit****11<sup>th</sup>-12<sup>th</sup> Grade*****Prerequisite: Biology I***

Ecology/Nature Study consists of plant and animal identification in the Central Michigan area and how the two groups interact with the environment. The class explores how man has influenced this world both positively and negatively.

**Principles of BioMedical Science A/B\*****1.0 Credit****11<sup>th</sup>-12<sup>th</sup> Grade**

This course introduces students to the Biomedical Sciences and builds the scientific foundation for success in subsequent courses through hands-on projects and problems involving the study of human medicine, research processes, and bioinformatics.

## **Social Studies**

(1200 codes)

1.0 World History/Geography; 1.0 U.S. History/Geography; .5 Economics; .5 Government/Civics Required.

### **World History A/B & Geography                      1.0 Requirement                      9<sup>th</sup> Grade**

World History A is designed to teach students to compare and contrast the differences and similarities in the development of civilizations, governments, cultures and religions around the world. Special emphasis will be given to the study of the rise of Western European civilization and its development to the modern age. Students will gain an understanding of these world developments through the study of pre-history to the 1800.

World History B will study world history from the Renaissance to the present, and will direct students to think critically about the various forces that combined to shape the world today. Emphasis will be placed on geographic impact, the development of civic knowledge/responsibilities, and emerging economic systems within a chronological context. This course fulfills the graduation requirement for one credit of social studies for the regular diploma

### **US History A/B & Geography                      1.0 Requirement                      10<sup>th</sup> Grade**

U.S. History A is a survey of American History that starts with life at the turn of the century and ends with the Great Depression and New Deal. Major units of study, which follow the High School Content Expectations (HSCE) and Common Core Standards, include immigration shifts and citizenship issues, the Progressive Era, American Imperialism, World War I, The Roaring 20s, and the Great Depression and New Deal. Specific emphasis will be placed on the social, economic, political, geographic, and ideological factors that shaped our country. You may access the Common Core Standards document at <http://corestandards.org/> and the HSCEs at [http://michigan.gov/documents/mde/SS\\_HSCE\\_210739\\_7.pdf](http://michigan.gov/documents/mde/SS_HSCE_210739_7.pdf).

U.S. History B is a survey of American History that starts with life at during World War II and ends with the present. Major units of study, which follow the High School Content Expectations (HSCE) and Common Core Standards, are the World War II era, Cold War, the 1950s society, Civil Rights and Unrest, the New Frontier and Great Society, Vietnam War, and the Era of Social Movements. Specific emphasis will be placed on the social, economic, political, geographic, and ideological factors that shaped our country. You may access the Common Core Standards document at <http://corestandards.org/> and the HSCEs at [http://michigan.gov/documents/mde/SS\\_HSCE\\_210739\\_7.pdf](http://michigan.gov/documents/mde/SS_HSCE_210739_7.pdf).

### **Government/Civics    .5 Requirement    11<sup>th</sup>-12<sup>th</sup> Grade**

This class studies the development of government in America and how it is applied to the everyday experience of modern American Citizens. It includes a systematic explanation of the structure, function, and the workings of government at the federal, state and local levels with comparison to International relations. Emphasis is placed on the individual's role in the government process through citizenship and responsibilities. There is also an emphasis on current political and social issues related to the course topics. This course is also aligned with the Michigan Content Standards and Benchmarks.

**Economics****.5 Requirement****11<sup>th</sup>-12<sup>th</sup> Grade**

Economics is an introduction to the essential features of economic performances, scarcity, allocation of resources, and the role of government in the management of economic systems. Students will participate in a project piece in order to apply the fundamental economic principles. The curriculum blends macro- and micro-economic topics to help students gain an understanding of the roles of consumers interacting with agriculture, business, trade unions, and government.

**Real to Reel****.5 Elective****10<sup>th</sup>-12<sup>th</sup> Grade**

Introduces students to history through a combination films, readings, projects, research papers, and lectures. It provides a chronological overview of major events, with particular attention to a number of important themes that have shaped our world's history, societies & cultures. Each week, students will view and analyze a particular Hollywood film. We will explore a wide variety of cultural, historical, and social topics through films from history. The goal of this class is to show you many aspects of history that most high school students have not been exposed to. ***This class is challenging and requires everyone to think, discuss and write a great deal. It is NOT a class where we just sit and watch movies. However, if you come to class with an open mind and ready to work, I'm sure you'll find the class interesting and rewarding.***

**Psychology I\*****.5 Elective****10<sup>th</sup>-12<sup>th</sup> Grade**

Psychology is the study of human behavior and mental processes. This course provides students with insights into their own behavior as well as the behavior of others. Main topics included in this first course include the history and systems of psychology, research methodology, behavioral neuroscience, sensation, perception and attention. Social and abnormal aspects of psychology will also be lightly discussed and incorporated into the main topics of discussion. This course provides the foundation for the continuing psychology classes.

**Current Events\*****.5 Elective****10<sup>th</sup>-12<sup>th</sup> Grade**

This course explores the current events happening in our country and around the world. It is a discussion course and is research based. Students will be required to write essays/reports stating their opinion/position on a variety of topics. Topics range from local, to state, to national, and global.

## **Speech / Theatre**

(500 codes)

.5 credit in Speech is required.

Theatre courses can cover the visual performing arts credit required to graduate.

### **Drama I\* .5 Elective 9<sup>th</sup>-12<sup>th</sup> Grade**

This course offers the student many opportunities to act and perform in front of an audience. Students will learn about acting choices, terminology, and the process of becoming a character.

### **Drama II\* .5 Elective 9<sup>th</sup>-12<sup>th</sup> Grade**

This course revolves around storytelling. Students will discover the many ways that we can tell a story. Assignments include: picture books, puppet shows, and music videos.

### **Technical Theatre\* .5 Elective 9<sup>th</sup>-12<sup>th</sup> Grade**

This is an introductory class to the world of theatre. Students will learn about parts of a theatre, set design, advertising, and the many aspects that go into putting together a play production. Students will build the actual set for a high school play.

### **Speech .5 Required 10<sup>th</sup>-12<sup>th</sup> Grade**

An introductory level Public Speaking class that allows each student the opportunity to write, develop, and present information in front of a group of people.

### **Baker College Speech (SPK2010) 1.0 Elective/3 college credits 10<sup>th</sup>-12<sup>th</sup> Grade \*College Course – Covers Speech Requirement**

Students in Baker SPK2010 will develop confidence and skills in many facets of oral communication. Students explore diverse topics and formats, using organization, research, and technology to deliver effective oral communication. Students must complete the NSE prior to the course beginning through the Baker College portal.

### **Mid Michigan College Fundamentals of Communication (SPE101)**

**1.0 Elective/3 college credits 10<sup>th</sup>-12<sup>th</sup> Grade**

**\*College Course – Covers Speech Requirement**

This is a basic course in interpersonal communication and public speaking. Through observation, presentation, games, role play, valuing, and personal encounter, the student learns to encode and decode messages, verbal and nonverbal, with confidence and empathy. Skills in perception and concentration are emphasized.

## **Specialized Areas of Study**

(1300 codes)

### **Freshmen Focus\***

**.5 Credit**

**9<sup>th</sup> Grade**

Freshmen Focus is designed to transition freshmen students into the high school. Students will learn many skills and expectations of high school classes, along with coming up with and setting goals (personal/academic/career). Students are taught and expected to fill out daily planners, organize class work, complete mini-lessons on study skills, and receive tutoring and grade checks on other classes. This class transitions students into Farwell High School and gives them the skills and goals needed to be successful.

### **SAT Prep**

**.5 credit**

**11<sup>th</sup> Grade**

*Offered to Juniors in second trimester of high school*

SAT Prep is designed to make students aware of and comfortable with the features and format of the SAT college entrance exam. Students will learn test-taking strategies and time management skills. All students will take the equivalent of at least four full-length sample SAT exams during the course of this class and record their progress. They will review all of the math formulas, English grammar rules, scientific methods and models, and reading comprehension strategies using KHAN Academy and other practice materials. Students will be graded on attendance, participation, and completion of exams and some practice material.

### **PLATO Online/Guided Academics (Credit Recovery)**

**.5 credit**

**9<sup>th</sup>-12<sup>th</sup> Grade**

*Prerequisite: Administrative Permission for Credit Recovery*

PLATO Online/Guided Academics provides the opportunity for students to receive additional assistance on their other courses in a trimester. Students (with administrative permission) may also utilize this course for credit recovery on our PLATO system. Students are graded on daily participation, work ethic, and study habit assignments. They can earn additional credits for satisfactorily completing their PLATO coursework.

### **Independent Course Work\***

**.5 credit per trimester**

**9<sup>th</sup>-12<sup>th</sup> Grade**

*Prerequisite: Instructor Permission Only*

Independent Courses are available on an individualized basis (example: Independent Music, Independent Novels, Independent Biology II, etc) for students to meet their Educational Development Plan goals. This is an agreement between the student, parent, teacher, counselor, and administrator.

## **Special Education**

(1300 codes)

### **RR English A/B/C**

**.5 credit per trimester**

**9<sup>th</sup>-12<sup>th</sup> Grade**

***Prerequisite: IEP Mandated***

***Course can be taken more than once.*** RR English is for students who have a reading level at 7<sup>th</sup> grade or below. Level I students read at or below the third grade level. Level II students read between fourth and seventh grade. This is an individualized program that concentrates on improving reading comprehension. Writing, grammar, and vocabulary skills are areas of focus.

### **RR Mathematics A/B/C**

**.5 credit per trimester**

**9<sup>th</sup>-12<sup>th</sup> Grade**

***Prerequisite: IEP Mandated***

***Course can be taken more than once.*** RR Mathematics is designed to strengthen the mathematical skills of special education students. It reinforces basic mathematical concepts. It is an individualized program available to students with a mathematics disability.

### **RR Pre-Vocational Recycling & Concessions (A/B/C)**

**.5 Credit, per Trimester**

**9<sup>th</sup>-12<sup>th</sup> Grade**

***Prerequisite: IEP Mandated***

***Course can be taken more than once.*** This is a yearlong course, but students may drop/add at the trimester breaks. In Recycling, students will learn the process of recycling as well as its environmental value. On the job employment skills are learned. Other topics include record keeping, budgeting, money management, and banking skills. In Concessions, students will learn the process of managing the school concession machines. On the job employment skills are learned. Students learn how to stock, order, and maintain machines as well as basic record keeping and banking skills.

### **Guided Academics**

**.5 credit, per Trimester**

**9<sup>th</sup>-12<sup>th</sup> Grade**

***Prerequisite: IEP Mandated***

Guided Academics is provided to help special education students with their other academic course work and improve study skills.

### **CGRESD Transition (A/B/C)**

**1.0 Credit, per Trimester**

**10<sup>th</sup>-12<sup>th</sup> Grade**

***Prerequisite: IEP Mandated***

The CGRESD Transition Course is a two-hour course offered through the CGRESD. Students are transported to the program via school transportation system. In the program, students learn personal, social, and job skills as well as do job shadowing. The goal is to help these students be ready for the world of work.

## **Dual Enrollment and Early College Opportunities**

*Available in Fall and/or Winter/Spring trimesters. Note: Colleges operate on semester systems. A College Fall Semester Course = FHS Fall Trimester. A College Winter Semester Course = FHS Winter/Spring Trimesters.*

*Prerequisite: Meet State Guidelines and Testing Requirements. Must have Counselor or Principal approval and meet with college advisor.*

*\*\*\*Student need to be aware that they are starting their college grade point average at the institution where they are dual enrolled. If a student fails a college course, he/she will be responsible for reimbursing the school district for the cost of tuition. Students have the option of counting the credit for just college or for both college and high school credit. Students also have the option of counting the collegiate grade on their high school transcript.*

To be eligible, students must be enrolled at Farwell High School. See the following link for the most up-to-date information. [https://www.michigan.gov/documents/mde/9-12\\_Dual\\_Enrollment\\_FAQs\\_397781\\_7.pdf](https://www.michigan.gov/documents/mde/9-12_Dual_Enrollment_FAQs_397781_7.pdf)



## **Career & Technical Education (CTE) Opportunities**

(1400 codes)

All CTE courses can cover 1.0 math elective credit and specific courses (AIME, Auto, Construction, and Welding) can cover the Algebra 2 requirement. In addition, all CTE courses can cover 1.0 science, 1.0 2<sup>nd</sup> year world language, and/or 1.0 visual performing arts credit.

### **CTE AIME – Advanced Manufacturing**

**11<sup>th</sup>-12<sup>th</sup> Grade**

**Offered in AM and PM. 1<sup>st</sup> and 2<sup>nd</sup> Year Programs. – Dual Enrolled.**

*Dual Enrolled Credit Earned in AIM100 (1 cr), IND101 (2cr), and AIM110 (2 cr) – 1<sup>st</sup> year.*

*Dual Enrolled Credit Earned in IND102 (2 cr), IND140 (3 cr), - 2<sup>nd</sup> year plus work-based learning.*

Students learn basic industrial safety practices. Topics include electrical, moving machinery, lifting, vision, hearing, overhead work, PPE, and proper cleanup investigation and documentation. Students also are introduced to the world of advanced manufacturing studying topics that include basic manufacturing materials and processes, tools, and techniques. As progression continues, students will be introduced to manufacturing materials, testing, and material science. They will understand industrial safety, work-flow, and product development. Students will produce simple products and be allowed to construct and conduct experiments with various manufacturing materials. Students can earn the MIOSHA safety credential and Mid Michigan College training credential.

### **CTE Agricultural Science**

**11<sup>th</sup>-12<sup>th</sup> Grade**

**Offered in AM and PM. 1<sup>st</sup> and 2<sup>nd</sup> Year Programs.**

Students participate in classroom and lab activities involving environmental and natural resources, animal and plant systems, and agri-business. Topics include career opportunities, safety, technical applications, agri-business leadership, environmental science, soil science, plant science, forestry, animal science, aquaculture, wildlife, and pest management.

### **CTE Automotive**

**11<sup>th</sup>-12<sup>th</sup> Grade**

**Offered in AM. 1<sup>st</sup> and 2<sup>nd</sup> Year Programs.**

Students will learn to diagnose problems involving a car's electrical and electronic systems, brakes, engine performance, suspension, and steering. Skill development focuses on repair of drums, disc, hydraulic, power assist and anti-lock brakes, as well as electrical systems. Applied skills include math, communications, technology, and teamwork in a professional setting. Students will test to earn the ASE Student certifications for maintenance and light repair, brakes, and electric.

### **CTE Construction**

**11<sup>th</sup>-12<sup>th</sup> Grade**

**Offered in AM and PM. 1<sup>st</sup> and 2<sup>nd</sup> Year Programs.**

Students become knowledgeable in fundamental principles and methods of construction. They develop technical skills related to carpentry, electrical, plumbing, masonry, and finished work. Course work can be applied toward satisfying the state's 60-hour pre-licensure requirement.

### **CTE Criminal Justice**

**11<sup>th</sup>-12<sup>th</sup> Grade**

**Offered in AM and PM. 1<sup>st</sup> and 2<sup>nd</sup> Year Programs.**

Students will learn the basics to become career and college ready in the areas of public safety and protective services. Careers of study include law enforcement, emergency services, security, protective services, corrections, and law/legal studies. Students can earn their CPR, First Aid, and AED certifications. Second Year students have work placements as part of their schedule.

### **CTE Culinary Arts**

**11<sup>th</sup>-12<sup>th</sup> Grade**

**Offered in AM and PM. 1<sup>st</sup> and 2<sup>nd</sup> Year Programs.**

Students gain transferable skills and real-world technical experience to work in hospitality, hotel management, and food service industries. Students learn industrial essentials like travel and tourism, food service preparation, lodging, customer service, and safe food handling. Students can earn their ServSafe certification.

### **CTE Digital Media**

**11<sup>th</sup>-12<sup>th</sup> Grade**

**Offered in AM and PM. 1<sup>st</sup> and 2<sup>nd</sup> Year Programs.**

Students will learn the fundamentals of 2D and 3D design, web design, video game creation, animation, business elements, networking, securities, and programming. Hands on experience allows students to earn nationally recognized certifications set by business and industry.

### **CTE Educational Occupations**

**11<sup>th</sup>-12<sup>th</sup> Grade**

**Offered in AM. 1<sup>st</sup> and 2<sup>nd</sup> Year Programs.**

Students study theorists, brain development research, and child development from birth through age six. Students investigate roles and responsibilities of various positions in Pre K-12 system. Students can earn their CPR, First Aid, and AED certifications. They also have the opportunity to take the ETS assessment required for para professionals.

### **CTE Health Occupations**

**11<sup>th</sup>-12<sup>th</sup> Grade**

**Offered in AM and PM. 1<sup>st</sup> and 2<sup>nd</sup> Year Programs.**

*Dual Enrolled Credit Earned in ALH100 (2 cr) and HED101 (3 cr) – 2<sup>nd</sup> year.*

Students learn a variety of health related topics including fundamentals of caregiving, medical imaging, pharmacy, dental, physical therapy, respiratory therapy, veterinary medicine, mortuary science, medical laboratory, and more. The 2<sup>nd</sup> year of the program includes dual enrollment of ALH100 and HED101.

### **CTE Welding**

**11<sup>th</sup>-12<sup>th</sup> Grade**

**Offered in AM and PM. 1<sup>st</sup> and 2<sup>nd</sup> Year Programs. – Dual Enrolled.**

*Dual Enrolled Credit Earned in WLD126 (3 cr) and WLD127 (3 cr) – 1<sup>st</sup> year.*

*Dual Enrolled Credit Earned in WLD130 (3 cr) and WLD245 (3 cr) - 2<sup>nd</sup> year plus work-based learning.* Students learn the art and technology of joining metals together with heat, using special equipment to perform different welding processes such as oxy-fuel cutting and brazing, gas metal arc, and shielded metal arc welding. They also learn to accurately fabricate projects, read blueprints, repair broken parts, problem solve, and use math and measurement skills to set up and lay out parts used in welding projects. Students can earn their MIG, TIG, STICK, and SENSE 1 certifications.

## **Eighth Grade Courses**

(8\*\*\* codes)

Eighth Grade ELA, Math, Social Studies, and Science meet for all three trimesters. Students select one (1) elective per trimester in addition to their core classes.

### **8<sup>th</sup> ELA (Required):**

This course is designed to improve the students reading and writing capabilities. We will read a number of books together as a class and work on comprehension and reading fluency. They will also read weekly on their own. Student will need to write several papers to improve their writing skills.

### **8<sup>th</sup> Math - PreAlgebra (Required):**

This course builds upon basic skill concepts in middle school and introduces Algebraic concepts. Students will study Rational and Irrational numbers, order of operations, solving equations, solving systems of equations, functions, and geometry concepts. Students will develop and expand problem solving skills and will think creatively and analytically. Students will use manipulatives and calculators starting in Course B. Successful completion of this course will ensure success in Algebra A/B.

### **8<sup>th</sup> Social Studies (Required):**

In Eighth Grade Social Studies, students focus on the history of the United States beginning with the Pre-Revolutionary War Era and concluding with the Civil War and Reconstruction. A review of United States colonization, revolution, and independence is followed by an in-depth study of the establishment of our nation, principles of the United States Constitution, western expansion, social reform movements, and the Civil War and Reconstruction.

### **8<sup>th</sup> Science (Required):**

In Eighth Grade Science, students focus on the History of Earth, Earth and Space Systems, Weather and Climate, and Human Sustainability. Students will participate in classroom discussions, work together collaboratively in groups, and perform laboratory assignments.

### **8<sup>th</sup> Art (Elective):**

This course introduces students to a wide variety of art making concepts and techniques in a full range of art media. Students will be able to explore these concepts through individual experiences.

### **8<sup>th</sup> Advanced Art (Elective)\*:**

*Prerequisite: 8<sup>th</sup> Art.*

This course is a continuation of the beginning skills learned in 8<sup>th</sup> Art. Students will continue to create projects and expand on concepts in a wide variety of art genres and expand on the history of art through class lecture and discussion.

### **8<sup>th</sup> Band (Elective):**

*Prerequisite: Member of 7<sup>th</sup> Band and/or Instructor Permission.*

Eighth Grade Band continues to build upon the fundamentals of music taught throughout Middle School. It provides a large instrumental ensemble for students to experience all aspects relative to the performance of varying levels of band music. Performances will be scheduled throughout the year.

### **8<sup>th</sup> Computers (Elective):**

*Note: Covers H.S. .5 Computer Requirement.*

Eighth Grade Computers is an introductory computer course that focuses on improving touch-typing skills. In addition, students will gain experience using Microsoft Word features and shortcuts to format a variety of documents (memos, business letters, and academic reports). *NOTE: Students must maintain computer privileges according to the district's acceptable use policy to successfully complete this course.*

### **8<sup>th</sup> Drama\* (Elective):**

This introductory course offers students opportunities to act and perform in front of an audience. Students will learn about acting choices, terminology, and the process of becoming a character. They will also be introduced to the “behind the scenes” avenues of a drama production.

### **8<sup>th</sup> Exploratory (Elective)\*:**

Eighth Grade Exploratory allows students to touch upon a variety of areas including basic speech/drama, woods, and physical education. Students will have mini units in a variety of categories to help better prepare them for their elective choices in high school.

### **8<sup>th</sup> Guided Academics (Special Education Students Only):**

*Prerequisite: IEP Mandated.*

Eighth Grade Guided Academics is provided to help special education students with their other academic course work and improve study skills.

Note: 8<sup>th</sup> Guided Academics can be taken in more than one trimester.

### **8<sup>th</sup> Physical Education (Elective):**

This course will focus on physical fitness as well as skill development in a unit structure. Students will need to dress in appropriate physical fitness attire on a daily basis. Students will do the Fitness Gram Pacer test as well as other aspects of physical fitness. Students will also take a fitness based final exam for the course.

Note: 8<sup>th</sup> PE can be taken in more than one trimester.

### **8<sup>th</sup> Service Learning (Elective):**

This course gives the student the opportunity to grow academically, pre-professionally, personally and civically through participation in a service-learning experience. Students meet real needs in the community by applying knowledge from their course.

### **8<sup>th</sup> Woods (Elective):**

This is a middle school exploratory course on household and woodshop safety. Students will learn the importance of good safety habits and learn about tools used in a woodshop. The students will work on projects either as partners or in small groups.

### **Choir\* (Elective):**

***Students enrolled in 8<sup>th</sup> Choir join the high school choir and earn .5 credit per trimester. These credits apply towards the visual performing arts credit required for graduation.***

All students in choir are required to participate in ALL performances including concerts, festivals, and performances. A significant part of the grade given from the course is based on the student's participation in said activities. Course goals are as follows: to learn proper singing technique, enhance each student's ability to work as a functioning member of a team, to learn music fundamentals, develop strong sight-singing skills, and to expose students to high quality choral literature.

### **Health\***

***Note: Permission only with grades of B or Better. These students are part of the ninth grade Health course and earn the .5 credit required for graduation.***

Health is a required class discussing topics such as: mental, social, physical health, safety, stress management, nutrition, drugs, alcohol, tobacco and human sexuality.

### **Spanish 1 A/B\***

***Note: Students that take Spanish in 8<sup>th</sup> grade earn the 1.0 first year world language credit required for graduation.***

Currently, Hispanics are the largest minority in the United States and we are the third largest Spanish-speaking country in the world: being bilingual and bicultural is an important job skill. In addition, Spanish is the second most important language in international business and is spoken by about 500 million people in the Americas, Europe, Africa, and Asia. This course begins the study of Spanish language and culture by developing the communicative modes: interpersonal, interpretive, and presentational. The study of cultural practices, history, and geography of Spanish-speaking peoples continues as students develop basic grammar structure, vocabulary, and conversational skills in the present tense. Students will be expected to communicate on a variety of topics in Spanish and use English as infrequently as possible. In addition, this course will strive to heighten the student's bicultural awareness of the Hispanic cultures within the United States and around the world through textbook readings, music, supplemental materials, and the study of current events.