

# Curriculum Guide



# **MORMON TRAIL COMMUNITY SCHOOL**

**CURRICULUM HANDBOOK  
& COURSE CATALOG**

**2025-2026  
GRADES 7-12**

# Introduction

This booklet contains information about the classes offered at the Mormon Trail Community School. They are listed to help you make the necessary choices to meet your educational goals. It includes requirements for graduation, recommendation for academic planning, and course descriptions.

Students and parents should work together in the development of an educational plan whether the student plans to continue formal education after high school or enter the workforce. Each student should think seriously about their future plans and select the courses that will help prepare them for their future.

Each student should accept the challenge of building the foundation for his or her future by making the time spent at Mormon Trail Community School a time of learning and positive accomplishments. By working together, students, parents, and educators can help each student attain his or her lifetime goals and continue the tradition of excellence at Mormon Trail Community School.



# Table of Contents

<b>RECOMMENDATIONS FOR PLANNING.....</b>	<b>3</b>
Concluding Your Formal Education.....	3
College or University.....	3
Vocational / Technical Training.....	5
Military Careers.....	5
<b>Graduation Requirements.....</b>	<b>6</b>
Things to Remember.....	6
<b>Career &amp; Technical Education (CTE).....</b>	<b>7</b>
<b>Dual Credit Options.....</b>	<b>8</b>
<b>Guidance Program.....</b>	<b>8</b>
<b>Four Year Course Plan.....</b>	<b>9</b>
Four Year Planner.....	10
<b>Grading Scale.....</b>	<b>11</b>
<b><i>COURSE CATALOG 9-12th.....</i></b>	<b><i>12</i></b>
AGRICULTURE.....	12
BUSINESS.....	12
DRIVER'S ED.....	12
ENGLISH.....	12
FAMILY & CONSUMER SCIENCE (FCS).....	13
FINE ARTS.....	14
MATHEMATICS.....	15
PHYSICAL EDUCATION.....	16
SCIENCE.....	16
SOCIAL STUDIES.....	17
WORLD LANGUAGES.....	17
<b><i>COURSE CATALOG 7-8th.....</i></b>	<b><i>18</i></b>
ENGLISH.....	18
FINE ARTS.....	18
MATHEMATICS.....	18
PHYSICAL EDUCATION.....	19
SCIENCE.....	19
7-8th GRADE EXPLORATORIES.....	19

# Curriculum Handbook

## RECOMMENDATIONS FOR PLANNING

All high school students should be concerned about the basic skills and information that they will need to meet the training requirements of their chosen career. Regardless of whether students end their formal education with the completion of high school or continue on to college or vocational school, they should be conscious of the fact that there will be special requirements for them to achieve success in their career field. With this in mind each student should give careful consideration to the following:

### Concluding Your Formal Education

For some students, high school will be the final opportunity to systematically study. Care should be taken to ensure that you have the necessary skills for life. To aid in planning, ask yourself the following questions:

1. Are my writing, speaking, and reading skills sufficient to serve me for the rest of my life? Will they hinder me from achieving success?
2. Am I competent and confident enough to assume my place in an adult world where I will be helping to decide the policies of my country with my vote?
3. Are my mathematical skills sufficient to enable me to take care of my personal business and to help me in my chosen career?
4. Do I have a sufficient background to enable me to get started in a career in business, farming, industry, etc?
5. Is my understanding of human relationships sufficient so that I can contribute toward a satisfactory home life for my future family?
6. Have I developed sufficient skills and interests in reading, recreation, music, etc., so that I may enjoy my leisure time in later life?

### College or University

Students who plan on entering college should be aware that admission requirements are generally higher than the requirements for graduation from high school. Certain additional courses may be required or desired, depending on your choice of college and the course of study you expect to follow. Check the catalog of the college/university of your choice and discuss the matter with the counselor to determine special requirements.

One of the important functions of the Guidance Department is to assist students in planning for the day they will enroll in an institution of higher learning. At various times, bulletins or announcements are issued to juniors and seniors providing information about college entrance tests, scholarships, etc. In addition to special course requirements, many colleges/universities require that a student rank at least in the upper half of their class and score a certain level on

the ACT or SAT test. Many scholarships are also based on class rank, cumulative GPA, and ACT or SAT results. Following are some general requirements that a student should consider if planning to enter college.

1. **MATH:** Mathematics is a requirement. Three years of credit is the minimum earned in high school for graduation, and four years suggested for students planning to enter scientific or technical courses of study. For meeting college requirements, math means Algebra I & II, Geometry, Pre-calculus and Calculus.
2. **SCIENCE:** A broad background of science courses is recommended for college admission. Such courses will enable you to approach college courses with more confidence and skills. Three years is the minimum graduation requirement, and four years are suggested for students entering scientific or technical fields. Many colleges and some scholarships require/suggest chemistry and/or physics.
3. **ENGLISH:** Four years of English is required. The skills taught in English benefit students in many fields at the college level. English enables students to express themselves and understand written material that is required reading at the college level. Students will be expected to effectively read material of medium difficulty with good comprehension. College bound English includes: English I, II, III and IV, and Oral Communications.
4. **SOCIAL SCIENCES:** At least three years of Social Studies is required. Classes in this area are often required to graduate from college. A good background will help students be successful. American History (1 credit), Financial Literacy (.5 credit), and American Government (.5 credit) are all required courses.
5. **FOREIGN LANGUAGE:** Several colleges/universities are recommending at least two years of the same foreign language. There may be advantages to taking more than two years of the same foreign language at the college of your choice. Check with the college catalog.
6. **CRITICAL THINKING:** Students enrolling in college should have acquired the ability to think logically, critically, and effectively.
7. **STUDY EFFORTS:** Students enrolling in college should have developed effective study habits.
8. **EXTRACURRICULARS:** To some degree, college admission and scholarships require some extracurricular interests. These generally will not overshadow academic pursuits but are closely reviewed.

## **Vocational / Technical Training**

As in preparing for other colleges, students thinking of pursuing this type of post high school education should check the requirements for the school and training of their choice. Some general recommendations follow:

1. **ACADEMICS:** Many vocational technical schools have some academic requirements. A good background in English is desired, especially written and oral communications.
2. **BUSINESS:** Students planning to enroll in business education schools should have a background in high school business and math courses.
3. **PLANNING:** Ensure your acceptance to the vocational technical program of your choice by planning and completing a balanced high school course load - some classes may not be best suited for your future plans.
4. **MATH:** Many vocational technical programs require a strong math background with emphasis on higher math courses (Algebra, Geometry, etc) Check some vo-tech school catalogs to see what math is required in programs you are considering.

## **Military Careers**

Today, the Armed Forces are looking for high school graduates who can become trained technicians. Your chances for further schooling and promotion are much greater if you have the background of a well-planned education.

# Graduation Requirements

SUBJECTS	CREDITS
English (ENG I, ENG II, ENG III, ENG IV, & Oral Comm.)	4.5
Science (Biology & Physical Science)	3
Mathematics (Algebra I)	3
Social Sciences (Amer. History, Government, & Financial Literacy)	3
Physical Education	2
Electives (Animal Systems, Health, Computer Science, etc.)	10.5
<b>TOTAL</b>	<b>26</b>

## CLASSIFICATION BENCHMARKS

Students must earn the following number of credits in order to be classified as a 10th, 11th, 12th, or graduating student.

- **Sophomore (10)** = 6.5+ credits
- **Junior (11)** = 13+ credits
- **Senior(12)** = 19.5+ credits
- **Eligible to Graduate** = 26+ credits

## List of Courses Offered

\* means 'Graduation Requirement' that must be completed with a passing grade. All courses earn a 0.50 credit per semester with the exception of PE which earns 0.25 per semester or a total of 0.50 per year.

## [Mormon Trail Course Offerings 2025-2026](#)

A document listing all the courses offered by subject, their credit value, and requirements.

## Things to Remember

1. Every high school student must take a minimum of seven (7) full credit classes **PLUS** PE each semester for a total of seven classes. Students may be placed in study hall on a case-by-case basis.
2. All MTHS classes are open to all students providing course prerequisites are met.



## Career & Technical Education (CTE)

### From the Iowa Department of Education's website:

*'Career and Technical Education (CTE) in Iowa includes educational programs offering a sequence of courses that prepare individuals for employment in current or emerging occupations. Programs include competency-based applied learning, which contributes to an individual's academic knowledge, higher-order reasoning and problem-solving skills, work attitudes, general employability skills, and occupational-specific skills.'*

*At the secondary level, CTE programs are organized within six broad service areas, as defined in Iowa Code section 256.11, subsection 5, paragraph "h."*

<b>Agriculture, Food, &amp; Natural Resources</b>	<b>FAMILY CONSUMER SCIENCE</b>	<b>AGRICULTURE</b>
	<b>*Life Skills</b> - Food Prep. & Health Mgmt. I - Food Science - Foods II - Home Furnishing - Child Dev. & Parenting - Iowa Financial Lit.Course	<b>*Introduction to Agriculture and Natural Resources</b> - Plant Systems/Science - Animal Prod./Science - Agribusiness Mgmt. - Workplace Experience
<b>Arts, Communications, &amp; Information Systems</b>	<b>ART</b>	<b>MUSIC</b>
	No CTE classes in this category are offered at Mormon Trail CSD.	
<b>Applied Sciences, Tech., Engineering, &amp; Manufacturing</b>	<b>COMPUTER SCIENCE</b>	<b>TECH</b>
	No CTE classes in this category are offered at Mormon Trail CSD.	- SWCC Building Trades Academy - SWCC Welding Career Academy
<b>Health Sciences</b>	<b>HEALTH OCCUPATIONS</b>	
	- SWCC CNA Career Academy	
<b>Human Services</b>	No CTE classes in this category are offered at Mormon Trail CSD.	
<b>Business, Finance, Marketing, &amp; Management</b>	- Introductory Business - Accounting I - Office Procedures - Office Technologies	- Business Communications - Business Management - Entrepreneurship - Marketing

**\* Prerequisite needed before taking other classes within the CTE area.**

## **Dual Credit Options**

### *Postsecondary College Course Opportunities*

Students in grades 10-12 may receive class or vocational technical credits that count toward graduation requirements for successfully completed courses at community colleges, private colleges, or state universities.

The Mormon Trail school district may pay up to \$250.00 of the cost of a course taken by 10th grade gifted and talented students and 11th and 12th grade students. The Mormon Trail school district pays only for courses which are not offered by the high school and which are offered during the regular school year by the community colleges, private colleges, or state universities. The Mormon Trail school district does not pay for the costs of summer school classes. However, summer school classes are eligible for credit.

Students who fail the course or fail to receive credit in the course paid for by the Mormon Trail school district must reimburse the school district for all costs directly related to the course. Also, if a student gets less than a C or receives no credit in a course, the Mormon Trail school district will not pay for any more Post Secondary Enrollment Option Classes.

Prior to enrolling in a course, students who are 18 or over or the parents of students under age 18 shall sign a form indicating they are responsible for the costs of the course should the student fail the course or fail to receive credit for the course. The Mormon Trail school district may waive the cost of the course for students who fail the course for reasons beyond their control, including, but not limited to, the student's incapacity, death in the family or a move to another school district.

## **Guidance Program**

The school district guidance program is divided into four separate categories including counseling, information, appraisal, and placement services. Students can participate in individual as well as group counseling focusing on personal academic, or vocational issues. Referrals are made to other services in the area whenever appropriate. Information on colleges, health services, and vocational opportunities is available to all students.

A proactive rather than reactive philosophy is encouraged in the guidance program with the goal of assisting students with their personal educational, and career development and in becoming well-rounded, productive adults. Confidentiality is maintained by the employees involved in the guidance program. Mrs. Banks is available by appointment and may be reached at [sbanks@mormontrailcsd.org](mailto:sbanks@mormontrailcsd.org)

## **Four Year Course Plan**

All eighth grade students, before entering high school, will begin planning their four-year plan of study, which is compatible with long-term values and career aspirations. It is recognized that this may be difficult, but if the time spent in high school is going to be meaningful and beneficial, students must begin to set long-term goals.



## Four Year Planner

Name: \_\_\_\_\_ Date: \_\_\_\_\_

### HIGH SCHOOL GRADUATION REQUIREMENTS:

Students need to complete **26 credits for graduation**. Minimum requirements are:

- **4.5 credits of English** including English I, English II, English III, English IV and Oral Communication;
- **3 credits of Math** including Algebra I;
- **3 credits of Science** including Biology I and Physical Science;
- **3 credits of Social Studies** including American History, Gov., and Financial Literacy;
- **2 credits/years of PE**. Students may not have more than one study hall per semester.

FRESHMAN YEAR (9th)	Credits
<input type="checkbox"/> English I	1
<input type="checkbox"/> PE (w/ Study Hall)	0.25
<input type="checkbox"/> Physical Science	1
<input type="checkbox"/> Algebra I <u>or</u> Geometry	1
_____	_____
_____	_____
_____	_____
_____	_____
<b>TOTAL Freshmen Credits</b>	_____

SOPHOMORE YEAR (10th)	Credits
<input type="checkbox"/> English II	1
<input type="checkbox"/> PE (w/ Study Hall)	0.25
<input type="checkbox"/> Biology	1
_____	_____
_____	_____
_____	_____
_____	_____
<b>TOTAL Sophomore Credits</b>	_____

JUNIOR YEAR (11th)	Credits
● English III	1
● PE (w/ Study Hall)	0.25
● Oral Communication	0.5
● American History	1
_____	_____
_____	_____
_____	_____
_____	_____
<b>TOTAL Junior Credits</b>	_____

SENIOR YEAR (12th)	Credits
<input type="checkbox"/> English IV <u>or</u> SWCC Comp I & II	1
<input type="checkbox"/> PE (w/ Study Hall)	0.25
<input type="checkbox"/> Government/Financial Literacy	1
_____	_____
_____	_____
_____	_____
_____	_____
<b>TOTAL Senior Credits</b>	_____

Parent Signature: \_\_\_\_\_ Date: \_\_\_\_\_

## Grading Scale

The following grading scale has been adopted for all students grades 7-12:

Letter Grade	Percent Correct	Numerical Grade	Weighted Grade
A	100 - 93	4.00	4.33
A-	92.9 - 90	3.67	4.00
B+	89.9 - 87	3.33	3.67
B	86.9 - 82	3.00	3.33
B-	82.9 - 80	2.67	3.00
C+	79.9 - 77	2.33	2.67
C	76.9 - 73	2.00	2.33
C-	72.9 - 70	1.67	2.00
D+	69.9 - 67	1.33	1.67
D	66.9 - 63	1.00	1.33
D-	62.9 - 60	0.67	1.00
F	59.9 - 93	0.00	0.00

Semester grades are calculated with each quarter having a  $\frac{2}{3}$  value and the semester test has a value of  $\frac{1}{3}$ . If no semester test is given in the class, the grade will be 50% first quarter grade and 50% second quarter grade.

# COURSE CATALOG

## 9-12th

2 semester = 1 year

\* Required Course

\*\* Can be taken every year

## AGRICULTURE

1 YR 9-12<sup>th</sup> 1.0

### Agriculture I - Introduction to Agriculture & Natural Resources

Introduction to Agriculture and Natural Resources courses survey a wide array of topics within the agricultural industry, exposing students to the many and varied types of agriculture and career opportunities and those in related fields. These courses serve to introduce students to the agricultural field, providing them an opportunity to identify an area for continued study or to determine that their interest lies elsewhere. These courses often focus on developing communication skills, scientific research, types of business ownership, business principles, and leadership skills.

1 YR 10-12<sup>th</sup> 1.0

### Agriculture II - Plant Systems & Science

*Prerequisite: Agriculture I*

Plant Systems/Science courses provide knowledge about the propagation of plants for food and fiber. These courses may cover such topics as soil science, irrigation, pest and weed control, food and fiber processing, and farm operations. These courses may also cover the knowledge and skills needed to produce all types of crops or may emphasize a particular area of the agricultural industry.

1 YR 11-12<sup>th</sup> 1.0

### Agriculture III - Animal Systems & Science

*Prerequisite: Agriculture II*

Animal Production/Science courses impart information about the care and management of companion and farm animals. These courses may cover animal nutrition, health,

behavior, selection, reproduction, anatomy and physiology, facilities, product processing, research, qualitative and quantitative analyses as a basis for decision-making, and marketing. Students may study a particular species, or they may learn how to care for and maintain livestock as a more inclusive study.

1 YR 12<sup>th</sup> 1.0

### Agriculture IV - Agribusiness Management

*Prerequisite: Agriculture III*

Agribusiness Management courses provide students with the information and skills necessary for success in agribusiness and in operating entrepreneurial ventures in the agricultural industry. These courses may cover topics such as economic principles, budgeting, risk management, finance, business law, marketing and promotion strategies, insurance, and resource management. Other possible topics include developing a business plan, employee/employer relations, problem-solving and decision-making, commodities, and building leadership skills. These courses may also incorporate a survey of the careers within the agricultural industry.

## BUSINESS

1 SM 9-12<sup>th</sup> 0.5

### Introductory Business

Introductory Business courses survey an array of topics and concepts related to the field of business. These courses introduce business concepts such as banking and finance, the role of government in business, consumerism, credit, investment, and management. They usually provide a brief overview of the U.S. economic system, small businesses, and corporate organizations. Introductory Business courses may also expose students to the varied opportunities in administration, accounting, management, and related fields.

1 SM 9-12<sup>th</sup> 0.5

### Office Procedures

Office Procedures courses provide students with numerous opportunities to explore and understand the responsibilities and duties common to most office personnel. These comprehensive courses cover such topics as communication skills, project management, reception skills, technologies for distance communications, filing and record management, mail handling, scheduling meetings and conferences, creating itineraries, and word processing.

1 SM 9-12<sup>th</sup> 0.5

### Office Technologies

Office and Administrative Technologies courses provide students with instruction and experience in developing technical, problem-solving, and decision-making skills essential for office and/or administrative occupations. Emphasis is placed on integrating and applying knowledge and skills to realistic office and administrative situations utilizing current and relevant technology.

1 SM 9-12<sup>th</sup> 0.5

### Record Keeping

Recordkeeping courses help students develop knowledge and skills related to the principles and procedures involved in recording personal financial transactions as well as transactions typically undertaken by small businesses. Emphasis may be placed on software packages for accounting, database management, personal banking, budgeting, and income tax calculations. Additional emphasis is usually placed on cashier and clerk procedures, inventory control for small businesses, database management, merchandising, and payroll.

**1 SM      9-12<sup>th</sup>      0.5**

### **Business Communications**

Business Communications courses help students to develop an understanding and appreciation for effective communication in business situations and environments. Emphasis is placed on all phases of communication: speaking, listening, thinking, responding, reading, writing, communicating nonverbally, and utilizing technology for communication. Business communication functions, processes, and applications in the context of business may be practiced through problem-based projects and real world application.

**1 SM      9-12<sup>th</sup>      0.5**

### **Business Management**

Business Management courses acquaint students with management opportunities and effective human relations. These courses provide students with the skills to perform planning, staffing, financing, and controlling functions within a business. In addition, they usually provide a macro-level study of the business world, including business structure and finance, and the interconnections among industry, government, and the global economy. The course may also emphasize problem-based, real-world applications of business concepts and use accounting concepts to formulate, analyze, and evaluate business decisions.

**1 SM      9-12<sup>th</sup>      0.5**

### **Entrepreneurship**

Entrepreneurship courses help students develop the knowledge and skills necessary to own and operate their own businesses. The course content typically covers topics from a number of fields: economics, marketing principles, human relations and psychology, business and labor law, legal rights and responsibilities of ownership, business and financial planning, finance and accounting, communication, information management, risk management, and strategic management. Several

topics surveyed in Business Management courses may also be included.

**1 SM      9-12<sup>th</sup>      0.5**

### **Marketing**

Marketing courses focus on the wide range of factors that influence the flow of goods and services from the producer to the consumer. Topics may include, but are not limited to, market research, the purchasing process, distribution systems, warehouse and inventory control, salesmanship, sales promotions, shoplifting and theft control, business management, and entrepreneurship. Human relations, computers, and economics are sometimes covered as well.

**1 YR      10-12<sup>th</sup>      1.0**

### **Accounting**

Accounting courses introduce students to and expand their knowledge of the fundamental accounting principles and procedures used in businesses through integrating and using accounting-related software and information systems. Course content includes the recording and completion of the accounting cycle, payroll, taxes, debts, depreciation, and periodic adjustments through a computerized accounting program. Students may learn how to apply standard auditing principles and to prepare budgets and final reports. Calculators, electronic spreadsheets, or computer accounting software are usually used. Advanced topics may include principles of partnership and corporate accounting and the managerial uses of control systems and the accounting process.

## **DRIVER'S ED**

**Summer 14+ yrs.      0.5**

### **Driver's Education**

**Prerequisite: Must have Driver's Permit before class begins.**

In the Driver's Education course the student will study the physical and mental qualities of a good driver, traffic regulations, road safety and hazards and automobile mechanics. Students learn how to operate an

automobile and each student is required to spend 6 hours operating an automobile. Minimum standards for successful completion of Driver's Education are (1) attained by a minimum grade of 70% for the classroom performance, (2) hand in all work assigned by the instructor, and (3) successfully complete the driving phase.

## **ENGLISH**

**1 YR      9<sup>th</sup>      1.0**

### **English I \***

Students will study: Literature including short stories and drama, the Writing Process, Spelling/Vocabulary and review grammar. By the end of grade 9, students will read and comprehend literature, including stories, dramas, and poems, in the grades 9-10 text complexity band proficiently, with scaffolding as needed at the high end of the range. Students will cite strong and thorough textual evidence to support analysis of what the text says explicitly as well as inferences drawn from the text and determine a theme or central idea of a text. Students will determine the meaning of words and phrases as they are used in the text, including figurative and connotative meanings.

**1 YR      10<sup>th</sup>      1.0**

### **English II \***

**Prerequisite: English I**

First semester starts off with a grammar unit. The short story and the literary elements: plot, character, theme, symbolism, imagery, tone, foreshadowing, setting, point of view and irony are the basis for study. From reading models, the students write compositions analyzing each element. Grammar is discussed during peer conferencing at the rough draft stage of writing and after each writing assignment is returned. Periodic quizzes and tests are administered. Students will read models of narrative, description, persuasive and expository essays and are required to write a paper of each type of essay.

**1 YR      11<sup>th</sup>      1.0**

### **English III \***

**Prerequisite: English II**

This course is designed to develop reading comprehension and vocabulary. Student will be required to read books from different genres and different authors. Emphasis will be on reading for pleasure and for success in everyday life. Students contract for the number of pages they are to read. A daily grade is assigned for being on task. It is designed to develop reading comprehension, speed, vocabulary, and an appreciation for reading.

**1 YR      12<sup>th</sup>      1.0**

**English IV \*****Prerequisite: English III**

The study of classic novels, plays, poetry and prose will be the main focus of this course. Analytical and critical thinking are refined through the various activities of the class. Paralleling history, studying authors, examining plays and playwrights, and analyzing literature are the specific literacy goals. The instructional methods used in achieving these objectives are participating in discussion; writing compositions (such as research papers); analyzing various types of work; and offering critiques, oral presentations and group work.

**1 SM      11-12<sup>th</sup>      0.5**

**Oral Communication \*****Prerequisite: English II**

The purpose of speech is to learn and experience the communication process both in informal and formal situations; hopefully, raising the students comfort level for future speaking opportunities. As part of that communications process the student will analyze listening skills, purpose, audience, research techniques, speech organization, speech writing and delivery, proper use of language and vocalization through various speaking genres.

**1 SM      11-12<sup>th</sup>      0.5**

**Creative Writing****Prerequisite: English II**

Creative Writing class will offer students 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 class is on writing, although exemplary

representations and authors may be studied to provide a fuller appreciation of the form and craft.

**1 SM      12<sup>th</sup>      0.5**

**Practical English****Prerequisite: English II and Admin./Teacher Approval**

This course will teach student's communication skills, reading, writing, listening, speaking-emphasizing applications in the "real world."

**1 SM      11-12<sup>th</sup>      0.5**

**Science Fiction****Prerequisite: English II**

Have you ever wanted to escape the bonds of everyday society? Have you ever imagined what it would be like to race against time before a super-virus destroys the population, defend your home planet from an alien invasion or prevent the fate of the world from falling into evil hands? Now is your chance to escape into the exciting world of science fiction and experience all of these things and more!

**1 SM      11-12<sup>th</sup>      0.5**

**Mythology****Prerequisite: English II**

Mythology courses introduce students to the origins and meaning of myths, including how cultures use myths to explain natural or social phenomena. Students will explore the major themes, stories, characters, and archetypes present in the mythologies of several different cultures.

## FAMILY & CONSUMER SCIENCE (FCS)

**1 YR      9-12<sup>th</sup>      1.0**

**Life Skills**

Life Skills courses provide students with information about a wide range of subjects to assist them in becoming wise consumers and productive adults. These courses often emphasize process skills, including goal-setting, decision-making, and other topics

such as the setting of priorities, money and time management, interpersonal relationships, and the development of the self. Additionally, specific topics such as wellness, selecting and furnishing houses, meeting transportation needs, nutrition, preparing food, selecting clothing and building a wardrobe, insurance, taxation, and consumer protection may also be covered.

**1 SM      10-12<sup>th</sup>      0.5**

**Foods I - Food Preparation & Health Management****Prerequisite: Life Skills**

Formerly known as Food and Nutrition, Food Preparation and Health Management courses provide students with an understanding of food's role in society, instruction in how to plan and prepare meals, and information about the nutritional and health benefits of minimizing processed and prepared food and pre-packaged/prepared meals from one's diet. These courses not only build on the basic skills of food preparation but also address financial considerations and recipe conversion to make foods healthier. Some courses place a heavier emphasis on a balanced diet, while others concentrate on specific types of food preparation (such as low sodium, low fat, or increased whole foods). These courses will also address current issues such as organic foods and vegan cooking.

**1 SM      10-12<sup>th</sup>      0.5**

**Foods II - Food Science****Prerequisite: Foods I**

Food Science courses offer opportunities for students to study the composition, structure, and properties of foods and their components as well as the consumption of food and the chemical changes that occur during the processing, storage, preparation, and consumption of food for the consumer. These courses often explore the effects of various materials, microorganisms, and processes on food products through laboratory experiments and can address food innovations to meet the needs of society. Culinary techniques and the safe handling of food in the home environment are commonly included.



**1 SM      10-12<sup>th</sup>      0.5**

### **Child Development & Parenting**

#### ***Prerequisite: Life Skills***

Child Development/Parenting courses provide students with knowledge about family systems and relationships and information about how parents can address the physical, mental, emotional, and social growth and development of children from conception to adolescence. In addition, these courses help students discover how parents should respond to the various stages of childhood. Course content typically includes topics such as prenatal development and birth processes, responsibilities and difficulties of parenthood, family structures, societal and cultural influences, fundamentals of children's emotional and physical development, and the appropriate care of infants, toddlers, and young and school-aged children. These courses may also cover topics specific to teen parenting.

**1 SM      10-12<sup>th</sup>      0.5**

### **Home Furnishing**

#### ***Prerequisite: Life Skills***

Home Furnishing courses provide students with basic knowledge regarding furnishing and decorating home environments. While exploring design principles, personal or customer needs and style, and decision-making, students may also explore the following topics: color, texture, furniture styles and arrangement, lighting, window treatments, floor and wall coverings, and home improvement/modification. Home Furnishing courses may also cover architectural style and design and take a larger look at housing problems or current housing issues.

## **FINE ARTS**

**1 YR      9-12<sup>th</sup>      1.0**

### **Art I - Intro to Visual Art**

Visual Arts enables students to several art forms (e.g., drawing, painting, two- and three-dimensional design, and sculpture) and to create individual works of art. Initial courses emphasize observations, interpretation of the visual

environment, visual communication, imagination, and symbolism. Courses cover the language, materials, media, and processes of a particular art form and the design elements used. Advanced courses encourage students to refine their skills while also developing their own artistic styles following and breaking from traditional conventions. Courses may also include the study of major artists, art movements, and styles.

**1 SM      10-12<sup>th</sup>      0.5**

### **Drawing**

#### ***Prerequisite: Art I***

Visual Arts—Drawing courses provide a foundation in drawing using a variety of techniques and media (such as pen-and-ink, pencil, chalk, and so on) in both black and white and color, emphasizing observation and interpretation of the visual environment, life drawing, and imaginative drawing. These courses typically include applying the elements of art and principles of design, along with a study of art and artists from a worldwide perspective, and instruction in the critique process. Advanced courses may encourage students to refine their creative processes and develop their own artistic styles following and breaking from traditional conventions.

**1 SM      10-12<sup>th</sup>      0.5**

### **Painting**

#### ***Prerequisite: Art I and Drawing***

Painting courses provide a foundation in painting using a variety of techniques and media (such as watercolor, tempera, oils, acrylics), emphasizing observation and interpretation of the visual environment, life drawing, and imaginative painting. These courses typically include applying the elements of art and principles of design, along with a study of art and artists from a worldwide perspective, and instruction in the critique process. Advanced courses may encourage students to refine their creative processes and develop their own artistic styles following and breaking from traditional conventions.

**1 SM      10-12<sup>th</sup>      0.5**

### **Ceramics/Pottery**

#### ***Prerequisite: Art I***

The course starts with lectures, demonstrations, and discussion on the nature of clay (compared with dirt and sand), glazes (compared with paints), and ultimately, what happens during the firing process. To maximize the use of time and equipment, current assignments are assigned that involve the potter's wheel and table in hand building (slab, pinch and coil). Demonstrations are given in all areas (vases, bowls, plates, and sculptural components). Mixed media sculpture that includes clay is encouraged. Glaze technical information and actual glazing of pottery is common throughout the course. Basic kiln technology and firing techniques are explained along with kiln safety training. All firing done at Mormon Trail is electric, oxidation firing at cones 05 (low) through cone 5 (medium stoneware).

**1 SM      10-12<sup>th</sup>      0.5**

### **Fundamentals of Design**

#### ***Prerequisite: Art I***

Fundamentals of Design courses provide an introduction to and help students respond to the function of fundamental processes of artistic expression in two- and three-dimensional designs. Students apply the concepts and approaches in the symbolic aspects of art and design to two- and three-dimensional problems so that they demonstrate a range of abilities and versatility with technique, problem solving, and ideation. Students study, analyze, and respond to the function of fundamental processes of artistic expression in their work. Students learn to respond to their work and the work of others.

**1 YR      12<sup>th</sup>      1.0**

### **Senior Art Portfolio**

#### ***Prerequisite: Art I and one (1) other art course***

This is a "show and tell" course. Each student will create at least 12 original pieces to be displayed. If the student has little or no art background, there is basic guided skills help from the instructor in preparing the artistic visual elements of the portfolio. Others may draw on

past work and experience. For students so inclined, the use of art forms such as sculpture and ceramics may be included. Since the portfolio is created to showcase the various interests and skills of each student, individually, various papers are assigned that exhibit a student's intellectual skills and interests.

**1 YR      9-12<sup>th</sup>      1.0**

### **Yearbook Design**

#### ***Prerequisite: Art I***

This a course dedicated to the content, design, layout, financing and publishing of the school annual: a professionally printed 100 page hardcover yearbook. The course offers the student the opportunity to engage in every phase of the creation of the yearbook as the school year progresses, from organizing and participating in advertising sales, ad contract processing, information gathering, typesetting, digital photo-taking, and layout of school events. There are also lectures and demonstrations explaining the reasons for publishers' methods and requirements. Specific instructions under the general heading of "layout" include the proportional scaling of pictures, the proper method of size, location and identification of pictures and text, and other special information. The Mormon Trail Yearbook is classified as a "fall publication, which means that the entire school year through graduation and senior trip can be included. The final submission will be sent to the publisher in June each year. The book becomes available for distribution in September.

**1 YR      9-12<sup>th</sup>      1.0**

### **Band: 9-12<sup>th</sup> \*\***

Students will be given an opportunity to experience musical growth through instrumental performance. Music will be selected from many musical periods, styles and genres. In the fall, students will learn the basic element of marching. These skills will be used at home football games, parades and music festivals. Concert Band will perform at various concerts and contests during the year. Pep band will play at various home sports events. Attendance is mandatory at all rehearsals, band lessons, and performances.

**1 YR      9-12<sup>th</sup>      1.0**

### **Chorus: 9-12<sup>th</sup> \*\***

This course emphasizes singing skills and the basic elements of music. A variety of music from different periods and genres will be performed. Students will study basic music theory, sight singing, concert etiquette and vocal technique. Participation is required at all rehearsals, voice lessons and performances.

## **MATHEMATICS**

**1 YR      9-10<sup>th</sup>      1.0**

### **Algebra I \***

#### ***Prerequisite: Math 7***

One goal of this course is to enhance quantitative reasoning and provide a means to more logical-effective decision making skills. This course will focus on a formal approach to mathematical knowledge and problem solving. Students will obtain a thorough understanding of the basic properties of the real number system and of first and second-degree functions and systems. Students will be expected to demonstrate this understanding by solving applied problems using algebraic modeling.

**1 YR      10-12<sup>th</sup>      1.0**

### **Algebra II**

#### ***Prerequisite: Geometry or Teacher Approval***

This course is intended to review and enhance the student's knowledge of the real number system and then extend those properties to the field of complex numbers. Exponential and logarithmic functions are introduced, along with topics from analytic geometry. In this class, students will use calculators to solve real world problems. Use of a graphing calculator is required for this course.

**1 YR      9-10<sup>th</sup>      1.0**

### **Geometry \***

#### ***Prerequisite: Algebra I***

This course develops Euclidean Geometry as a formal mathematical system through the use of definitions, postulates, and theorems. Geometry will introduce truth tables and formal deductive and

inductive reasoning patterns. A large portion of the coursework involves solving applied problems, i.e. angle and segment measures, area and volumes, plane and solid figures.

**1 YR      11-10<sup>th</sup>      1.0**

### **Pre-Calculus/Trigonometry**

#### ***Prerequisite: Algebra II***

In this course students will learn how to use concepts from real and complex analysis, analytic geometry, and trigonometry. This course will also provide an introduction to differential and integral calculus, as well as probability and statistics. You will be required to learn how to use a graphing calculator to obtain solutions for these problems.

**1 YR      12<sup>th</sup>      1.0**

### **Calculus**

#### ***Prerequisite: Pre-Calc./Trig.***

Calculus courses include the study of derivatives, differentiation, 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 mathematical analysis).

**1 YR      9-10<sup>th</sup>      1.0**

### **Technical Math**

#### ***Prerequisite: Algebra I***

Technical Mathematics courses extend students' proficiency in mathematics, and often apply these skills to technical and/or industrial situations and problems. Technical Mathematics topics may include but are not limited to rational numbers; systems of measurements; tolerances; numerical languages; geometry; algebra; statistics; and using tables, graphs, charts, and other data displays. Technology is integrated as appropriate.

**1 YR      11<sup>th</sup>      1.0**

### **Financial Math**

#### ***Prerequisite: Algebra I***

This course focuses on the applications of mathematics in both personal and business settings. This course contains topics encompassing many aspects of financial math: personal financial planning, income, budgeting and

wise spending, banking, paying taxes, the importance of insurance, long-term investing, buying a house, consumer loans, consumer credit, consumer debt. Students apply various math skills such as percents, proportions, probability, data analysis, linear systems, exponential functions and formulas to real life situations. A unique feature of this course is that each lesson is centered on the mathematical skills used in the world.

## PHYSICAL EDUCATION

**1 YR      9-12<sup>th</sup>      0.5**

### Physical Education (PE) \* \*\*

**NOTE: Must take once every year.** High School students will select activities in which proficiency will be developed in order to participate in a wide variety of leisure and work-related activities as an adult. Students will develop sufficient knowledge and ability to independently acquire new skills while refining existing ones. Students will understand the role of physical activity on the physiological body, social opportunities and relationships, and emotional well-being; along with the idea of a healthy lifestyle. Students will design and develop an appropriate fitness program that enables students to achieve a desired level of fitness. Students will recognize the value of diversity in physical activity and develop strategies for inclusion of others. Students will understand that physical activity continues to provide enjoyment and challenges as well as opportunities for self-expression, allowing students to actively pursue lifelong physical activities that meet their own needs.

**1 YR      9-12<sup>th</sup>      0.5**

### Health

This course focuses on the wellness of the human body. Students will study the five components of physical fitness; review the body systems and the importance of the holistic effects of behavioral choices on body systems; and look at mental health disorders and ways to stay mentally healthy. Students will also study family and social health;

diseases and disorders; careers in health; and learn safety and first aid with CPR certification.

**1 YR      9-12<sup>th</sup>      0.5**

### Weight Training \*\*

**NOTE: This course can replace PE credit(s). Students may NOT take both PE and Weight Training during the same semester.**

This course will develop skills with free weights and universal stations. Students will become knowledgeable about opposing muscle groups and the importance of working each group equally. Lifetime physical activity will be emphasized.

## SCIENCE

**1 YR      9-10<sup>th</sup>      1.0**

### Physical Science \*

Physical science is an introduction in physics and chemistry. The physics component includes measurement, motion and energy. A robotics unit includes concepts in design, force and programming. The chemistry portion of the class includes atomic structure, states, of matter, the periodic table, and an introduction to chemical reactions and equations. Physical science class emphasizes "hands on" learning and lab group work, which will enhance interpersonal cooperation and individual achievement.

**1 YR      9-10<sup>th</sup>      1.0**

### Biology I \*

Biology is a course designed for students to explore and learn about the components of life. Topics include: classification, selected kingdoms (plants/animals, etc), the cell; structure and function, genetics, and biotechnology. Work will entail group and individual projects, scientific experimenting, scientific research, lab work, quizzes and tests. When possible guest presenters will be incorporated into classes.

**1 YR      11-12<sup>th</sup>      1.0**

### Biology II - Anatomy & Physiology

**Prerequisite: Biology I**

Biology II is a course designed to explore the study of human anatomy and physiology in detail. In order to understand the structure of the human body and its functions, students learn anatomical terminology, study cells and tissues, and explore functional systems (skeletal, muscular, circulatory, respiratory, digestive, reproductive, nervous, etc). Dissections will be used to enhance the students' understanding.

**1 YR      11-12<sup>th</sup>      1.0**

### Environmental Science

**Prerequisite: Physical Science**

This course examines the relationships between organisms and their environment. It includes a strong fieldwork unit. Environmental topics covered may include: Biomes, ecosystems, populations and growth studies, pollution, natural cycles, and conservation of natural resources, etc. Students are involved in stream site monitoring practices by taking chemical analysis of the water, as well as, habitat and biological assessments. This data is collected and entered into the DNR IOWATER website.

**1 YR      11-12<sup>th</sup>      1.0**

### Chemistry

**Prerequisite: Algebra I**

This is a full course designed for junior or senior students. Areas covered are: Structure of the atom, solutions, Kinetic theory of matter, elements, compounds, nuclear reactions, radioactivity, energy involved in reactions, chemical equilibrium, acids, bases and titrations. This course is a must for students planning to attend college or nursing school after high school.

**1 YR      11-12<sup>th</sup>      1.0**

### Physics

**Prerequisite: Algebra I and Physical Science**

Physics is designed for senior students and is strongly recommended for persons planning to attend college or nursing school. Areas covered include: systems of

measurement, matter and energy, forces, rectilinear motion, curvilinear motion, work, power, machines, (types, uses advantages and disadvantages), wave motion, sound light electricity, magnetism, radioactivity, and nuclear reaction.

**1 YR      11-12<sup>th</sup>      1.0**

### **Zoology**

Zoology courses provide students with an understanding of 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 communities.

## **SOCIAL STUDIES**

**1 YR      9-12<sup>th</sup>      1.0**

### **American Studies**

American Studies will focus on history from the American Civil War to World War I. During this time we will cover issues that faced our nation at home and abroad. Major themes will be African American rights, government corruption, American expansion, second industrial revolution, social movements, and political movements. Projects, quizzes, daily work, and exams are normally taken to measure the students' understanding of the materials.

**1 YR      9-12<sup>th</sup>      1.0**

### **World History**

This course provides an overview of the history of human society from early civilization to the contemporary period, examining political, economic, social, religious, military, scientific, and cultural developments. Sections will include the Egyptian, Greek and Roman empires, the Middle Ages and the Age of Revolution.

**1 YR      11<sup>th</sup>      1.0**

### **American History \***

This course examines the history of the United States from the Civil War through the present time. Political and social themes will be covered in great depth. Economic and military

themes will also be discussed. From this course students will come to understand history and its importance. Students will gain knowledge about the events and figures from the U.S. History and their relevance to World History.

**1 YR      12<sup>th</sup>      1.0**

### **Government \***

Students will examine our government at the federal, state, and local levels. Students will examine our constitution, branches of government, and our system of checks and balances in great detail. Students will gain a better understanding of government, their role in it, his/her rights guaranteed by the Constitution, and a better understanding of its operation.

**1 YR      11-12<sup>th</sup>      1.0**

### **Psychology**

This course introduces psychology. It is a college preparatory class. Areas of study are as follows: history of psychology, scientific method, disorders, defense mechanisms, human growth and development, understanding human behavior, learning and thinking, perceptive emotions and motives, conflicts and adjustments, social behavior, and career opportunities. The students take notes, discuss research, take tests and participate in exercises to reinforce the materials.

**1 YR      11-12<sup>th</sup>      1.0**

### **Economics**

This course will examine the American economy in depth. We will discuss how it works, what are its components and what it is at the local, regional, national, and world levels. We will look at and try to understand the stock market. We will also take a look at different types of economics including Communism and Feudalism.

## **WORLD LANGUAGES**

**1 YR      9-12<sup>th</sup>      1.0**

### **Spanish I**

Content in the course includes greetings, descriptions and colors, time, days, seasons, numbers, countries and nationalities, the culture of Mexico, and informal and formal speaking situations. Students speak in present tense language to conjugate AR IR and ER verbs and explore coordinating conjunctions, and prepositions.

**1 YR      10-12<sup>th</sup>      1.0**

### **Spanish II**

#### ***Prerequisite: Spanish I***

This course includes comprehension, speaking, reading, and writing in the Spanish Language. Reading Spanish for pleasure is also introduced. Speaking skills will continue to be stressed.

**1 YR      11-12<sup>th</sup>      1.0**

### **Spanish III**

#### ***Prerequisite: Spanish II***

In the third year, Spanish literature is stressed along with writing skills. There is a brief review of Spanish grammar. Spanish is the instructional language used in the classroom.

**1 YR      12<sup>th</sup>      1.0**

### **Spanish IV**

#### ***Prerequisite: Spanish III***

In the fourth year, total communication in Spanish. Literature and the student's ability to express himself/herself orally and in writing are stressed.



# COURSE CATALOG

## 7-8th

### ENGLISH

1 YR 7<sup>th</sup>

#### English - 7th Grade

English 7 students will study 1) Grammar including parts of speech, compound sentences, subject/verb agreement, capitalization, and punctuation, 2) Spelling Vocabulary, 3) The Writing Process - used in-tandem with reading class in order to maximize the benefits of both courses.

1 YR 8<sup>th</sup>

#### English - 8th Grade

English 8 students will study 1) Grammar including parts of speech, compound sentences, subject/verb agreement, capitalization, and punctuation, 2) Spelling Vocabulary, 3) The Writing Process - used in-tandem with reading class in order to maximize the benefits of both courses.

1 YR 7<sup>th</sup>

#### Reading - 7th Grade

Cite several pieces of textual evidence to support analysis of what the text says explicitly as well as inferences drawn from the text. Determine a theme, analyze its development over the course of the text; provide an objective summary of the text. Analyze how particular elements of a story or drama interact (e.g., how setting shapes the characters or plot). Determine the meaning of words and phrases as they are used in a text, including figurative and connotative meanings; analyze the impact of rhymes and other repetitions of sounds (e.g., alliteration) on a specific verse or stanza of a poem or section of a story or drama. Compare and contrast a written story, drama, or poem to its audio, filmed, staged, or multimedia version. Compare and contrast a fictional portrayal of a time, place, or character and a historical account of the same period as a means of understanding how authors of fiction use or alter history. By the end of the year, read and

comprehend literature, including stories, dramas, and poems, in the grades 6-8 text complexity band proficiently, with scaffolding as needed at the high end of the range.

1 YR 8<sup>th</sup>

#### Reading - 8th Grade

Students will cite the textual evidence as well as inferences drawn from the text. Determine a theme or central idea of a text, including its relationship to the characters, setting, and plot; provide an objective summary of the text. Analyze how particular lines of dialogue or incidents propel the action, reveal aspects of a character, or provoke a decision. Determine the meaning of words and phrases as they are used in a text, including figurative and connotative meanings; including analogies or allusions to other texts. By the end of the year, students will read and comprehend literature, including stories, dramas, and poems, at the high end of grades 6-8 text complexity and independently and proficiently.

### FINE ARTS

1 YR 7<sup>th</sup>

#### Chorus: 7-8<sup>th</sup> \*\*

This course emphasizes singing skills and the basic elements of music. A variety of music from different periods and genres will be performed. Students will study basic music theory, sight singing, concert etiquette and vocal technique. Participation is required at all rehearsals, voice lessons and performances.

### MATHEMATICS

1 YR 7<sup>th</sup>

#### Math - 7th Grade

This course reinforces the skills learned in 6th grade math and presents new concepts to prepare students for 8th grade level math. Concepts covered include: number sense, patterns, and algebraic thinking; decimal operations; data and statistics; number patterns and

fractions; fraction operations; integers; equations, inequalities, and functions; ratios and proportions; percents; geometric figures; measurement and area; and surface area and volume. Students will be expected to demonstrate these concepts by solving applied problems using different strategies.

1 YR 8<sup>th</sup>

#### Math - 8th Grade

This course reinforces the skills learned in 7th grade math and presents new concepts to prepare students for high school level math. Concepts covered include: variables and equations; integer operations; equations and inequalities; factor, fractions, and exponents; rational number operations; ratio, proportion, and percent; polygons and transformations; measurement, area, and volume; linear equations, and graphs; and data analysis and probability. Students will be expected to demonstrate these concepts by solving applied problems using different strategies.

1 YR 8-9<sup>th</sup>

#### Pre-Algebra

**Prerequisite: Math 8 or Teacher Approval**

This is a one-year course. This is NOT a substitute for Algebra I. This course will build on algebraic concepts introduced in 7th and 8th grade math. Students will learn about data, patterns, rational numbers, probability, geometry, equations, inequalities, linear functions, statistics and more. This course will be taught at a pace suitable for anyone who has completed 8th grade math. Calculators will be used in applying these topics to the real world.

### PHYSICAL EDUCATION

1 YR 7-8<sup>th</sup>

#### Physical Education - 7-8<sup>th</sup>

**NOTE: Must take once per year during 7-8th grade.**

Seventh and Eighth grade students will further develop motor patterns into specialized skills, emphasizing

the learning of more and increasingly complex concepts and applying and generalizing these concepts to real-life physical activity situations. Students will increase the structure of activities and opportunities for participation in different types of activities. Students will learn to work independently with a partner and in small groups. Students will cooperatively participate in physical activity to provide important opportunities for challenge, social interaction and group membership as well as opportunities for continued personal growth in physical skills and their applied settings.

## SCIENCE

**1 YR** **7<sup>th</sup>**

### Science - 7th Grade

Students will use science inquiry methods and science process skills to interpret life processes and patterns of living things by investigating the continuity of life including heredity, ecological interactions and kingdom diversities.

**1 YR** **8<sup>th</sup>**

### Science - 8th Grade

Students will use science inquiry methods and science process skills to compare and contrast processes of our changing Earth; analyze and predict practices of conservation and renewable resources; and investigate oceans, climate and our universe.

## SOCIAL STUDIES

**1 YR** **7<sup>th</sup>**

### Geography - 7th Grade

Students will discover and study physical formations in general and specifically in relation to different regions of the world. Students will also explore the many different social groups that are found around the world and learn some common practices of their cultures. Students will demonstrate their mastery of the material through projects, exams, and daily work.

**1 YR** **8<sup>th</sup>**

### Geography - 8th Grade

Students will use cooperative learning, critical thinking, creative thinking, interdisciplinary instruction and technology to interpret American history from prehistory to the Civil War. Students will participate in projects, daily work, and exams to show their mastery of the subject matter.

## 7-8th GRADE EXPLORATORIES

**1 QRT** **7-8<sup>th</sup>**

### Explore Agriculture

This is an introductory course that will include many topics. Some topics that students will study include: career exploration, types of agriculture studies, online livestock judging, etc.

**1 QRT** **7-8<sup>th</sup>**

### Explore Art

This class explores the many forms of art and helps form an aesthetic framework through which art of various ages and cultures can be judged and critiqued.

**1 QRT** **7-8<sup>th</sup>**

### Explore Family & Consumer Science (FCS)

This is an introductory course that will include many topics, including career exploration, foods and nutrition, clothing construction, design, relationships, etc.

**1 QRT** **7-8<sup>th</sup>**

### Explore Music

This course studies different musical styles and periods with the intent of increasing musical enjoyment.

**1 QRT** **7-8<sup>th</sup>**

### Explore Technology

...

**1 QRT** **7-8<sup>th</sup>**

### Explore Health

Topics include mental health, social health, tobacco prevention, first aid,

drug/alcohol abuse prevention, consumer health issues, and HIV, STD, & pregnancy prevention. Materials used for this course align with the National Health Standards. This course is also supplemented with the support of the Draw the Line program, which discusses setting boundaries in relationships.

# MT Course Offerings



# Mormon Trail High School

Course Offering 2025-2026

## Iowa Core Requirements

**14 Credits Required (\* = Required Course)**

### English

4.5 Credits (4 Years) Required to include English I & English II

CR	Course Title	Grades Eligible	NOTES
0.5	English I*	9-12 <sup>th</sup> Grade	Required
0.5	American Studies	9-12 <sup>th</sup> Grade	
0.5	Exploring Genres	9-12 <sup>th</sup> Grade	
0.5	English II*	10-12 <sup>th</sup> Grade	Required - English I Prerequisite
0.5	Creative Writing	10-12 <sup>th</sup> Grade	
0.5	Journalism - Yearbook	10-12 <sup>th</sup> Grade	
0.5	Mythology	10-12 <sup>th</sup> Grade	
0.5	English III*	11-12 <sup>th</sup> Grade	Required - English II Prerequisite
0.5	Oral Communication*	11-12 <sup>th</sup> Grade	Required
0.5	Southwestern Community College See Fall & Spring Catalog (1-4 cr.)	9-12 <sup>th</sup> Grade	Receive "proficient" scores in all categories (reading, writing, math, and science) on the Iowa State Assessment of Student Progress (ISASP). *See the counselor for other requirements
0.5	English IV*	12 <sup>th</sup> Grade	Required - English III Prerequisite

### Math

3 Credits (3 Years) Required to include Algebra I

CR	Course Title	Grades Eligible	NOTES
0.5	Pre-Algebra	9-12 <sup>th</sup> Grade	
0.5	Algebra I*	9-12 <sup>th</sup> Grade	Required
0.5	Geometry	10-11 <sup>th</sup> Grade	
0.5	Technical Math	10-12 <sup>th</sup> Grade	
0.5	Intro to Computer Technology (CTE)	10-12 <sup>th</sup> Grade	
0.5	Pre-Calculus	11-12 <sup>th</sup> Grade	
0.5	Southwestern Community College See Fall & Spring Catalog (1-4 cr.)	9-12 <sup>th</sup> Grade	Receive "proficient" scores in all categories (reading, writing, math, and science) on the Iowa State Assessment of Student Progress (ISASP). *See the counselor for other requirements
0.5	Calculus	12 <sup>th</sup> Grade	

### Science

3 Credits (3 Years) Required to include Biology & Physical Science

CR	Course Title	Grades Eligible	NOTES
0.5	Biology*	9 <sup>th</sup> Grade	Required
0.5	Physical Science*	10-12 <sup>th</sup> Grade	Required
0.5	Anatomy & Physiology	11-12 <sup>th</sup> Grade	Biology Prerequisite
0.5	Chemistry	11-12 <sup>th</sup> Grade	Physical Science Prerequisite
0.5	Environmental Science	11 <sup>th</sup> -12 <sup>th</sup> Grade	
0.5	Southwestern Community College See Fall & Spring Catalog (1-4 cr.)	9-12 <sup>th</sup> Grade	Receive "proficient" scores in all categories (reading, writing, math, and science) on the Iowa State Assessment of Student Progress (ISASP). *See the counselor for other requirements
0.5	Physics	12 <sup>th</sup> Grade	Physical Science Prerequisite



**Physical Education**

1 Credit (4 Years) Required

CR	Course Title	Grades Eligible	NOTES
0.25	Physical Education (PE) + Study Hall*	9-12 <sup>th</sup> Grade	Required all 4 Years; 0.25 Credit Per Sem.
0.25	Weight Training	9-12 <sup>th</sup> Grade	

**Social Studies**

3 Credits (3 Years) Required to include American History, Government, &amp; Financial Lit.

CR	Course Title	Grades Eligible	NOTES
0.5	World History	10-12 <sup>th</sup> Grade	
0.5	Contemporary World Issues	10-12 <sup>th</sup> Grade	
0.5	Modern World History	10-12 <sup>th</sup> Grade	
0.5	<b>American History*</b>	<b>11-12<sup>th</sup> Grade</b>	<b>Required</b>
0.5	Psychology	11-12 <sup>th</sup> Grade	
0.5	<b>Southwestern Community College</b> See Fall & Spring Catalog (1-4 cr.)	9-12 <sup>th</sup> Grade	Receive "proficient" scores in all categories (reading, writing, math, and science) on the Iowa State Assessment of Student Progress (ISASP). *See the counselor for other requirements
0.5	<b>Financial Literacy</b>	<b>12<sup>th</sup> Grade</b>	<b>Required</b>
0.5	<b>Government*</b>	<b>12<sup>th</sup> Grade</b>	<b>Required</b>

**Electives****9 Credits Required****Fine Arts**

CR	Course Title	Grades Eligible	NOTES
0.5	Introduction to Visual Art (CTE)	9-12 <sup>th</sup> Grade	**Can be taken multiple semesters
0.5	Band	9-12 <sup>th</sup> Grade	**Can be taken multiple semesters
0.5	Chorus	9-12 <sup>th</sup> Grade	**Can be taken multiple semesters
0.5	Ceramics/Pottery	10-12 <sup>th</sup> Grade	Intro to VA Prerequisite
0.5	Drawing	10-12 <sup>th</sup> Grade	Intro to VA Prerequisite
0.5	Painting	10-12 <sup>th</sup> Grade	Intro to VA Prerequisite
0.5	Fundamentals of Design	10-12 <sup>th</sup> Grade	
0.5	Music History & Appreciation	10-12 <sup>th</sup> Grade	Intro to VA Prerequisite
0.5	Yearbook Design	10-12 <sup>th</sup> Grade	**Can be taken multiple semesters
0.5	Visual Communications	11-12 <sup>th</sup> Grade	Drawing/Painting/Ceramics Prerequisite
0.5	Senior Art Portfolio	12 <sup>th</sup> Grade	Intro to VA Prerequisite
0.5	<b>Southwestern Community College</b> - Art Appreciation (3 cr.) - Music Appreciation (3 cr.) - History of Rock & Roll (3 cr.)	9-12 <sup>th</sup> Grade	Receive "proficient" scores in all categories (reading, writing, math, and science) on the Iowa State Assessment of Student Progress (ISASP). *See the counselor for other requirements

**Foreign Language & Communication**

CR	Course Title	Grades Eligible	NOTES
0.5	Spanish I	9-12 <sup>th</sup> Grade	
0.5	Spanish II	10-12 <sup>th</sup> Grade	Spanish I Prerequisite
0.5	Spanish III	11-12 <sup>th</sup> Grade	Spanish II Prerequisite
0.5	Spanish IV	12 <sup>th</sup> Grade	Spanish III Prerequisite

## Agriculture

CR	Course Title	Grades Eligible	NOTES
0.5	Agriculture I (Intro to Ag & Nat. Resources - CTE)	9-12 <sup>th</sup> Grade	
0.5	Agriculture II (Veterinary Science - CTE)	10-12 <sup>th</sup> Grade	Agriculture I Prerequisite
0.5	Agriculture III (Animal Production/Science - CTE)	11-12 <sup>th</sup> Grade	Agriculture II Prerequisite
0.5	Agriculture IV (Agribusiness - CTE)	12 <sup>th</sup> Grade	Agriculture III Prerequisite
0.5	Agribusiness Management	12 <sup>th</sup> Grade	Agriculture I Prerequisite
0.5	Workplace Experience (WBL)	12 <sup>th</sup> Grade	Agriculture I Prerequisite

## Business

CR	Course Title	Grades Eligible	NOTES
0.5	Introductory Business (CTE)	9-12 <sup>th</sup> Grade	
0.5	Accounting (CTE)	9-12 <sup>th</sup> Grade	
0.5	<b>Southwestern Community College</b> See Fall & Spring Catalog (1-4 cr.)	9-12 <sup>th</sup> Grade	Receive “proficient” scores in all categories (reading, writing, math, and science) on the Iowa State Assessment of Student Progress (ISASP). *See the counselor for other requirements

## Family & Consumer Science

CR	Course Title	Grades Eligible	NOTES
0.5	Health	9-12 <sup>th</sup> Grade	
0.5	Life Skills (CTE)	9-12 <sup>th</sup> Grade	
0.5	Foods I (Food Prep. & Health Mgmt.)	10-12 <sup>th</sup> Grade	Life Skills Prerequisite
0.5	Foods II (Food Science)	10-12 <sup>th</sup> Grade	Foods I Prerequisite
0.5	Home Furnishing	10-12 <sup>th</sup> Grade	Life Skills Prerequisite
0.5	Child Development & Parenting	10-12 <sup>th</sup> Grade	Life Skills Prerequisite

## Other

CR	Course Title	Grades Eligible	NOTES
0.5	<b>Southwestern Community College</b> See Fall & Spring Catalog (1-4 cr.)	9-12 <sup>th</sup> Grade	Receive “proficient” scores in all categories (reading, writing, math, and science) on the Iowa State Assessment of Student Progress (ISASP). *See the counselor for other requirements

## School to Work Opportunities

CR	Course Title	Grades Eligible	NOTES
0.5	Work Experience	11-12 <sup>th</sup> Grade	Elective: Permission & Log Required
0.5	Work Release (Senior Year Only)	12 <sup>th</sup> Grade	Requires Application & School Board Approval by December 31st of Senior Year

## Southwestern Community College Career Academies

Permission of Administration Required - 2.5+GPA

CR	Course Title	Grades Eligible	NOTES
0.5	<b>SWCC - Paraeducator Certification</b> - Observations in Teaching (1 cr.) - Exceptional Learners (3 cr.)	9-12 <sup>th</sup> Grade	Receive "proficient" scores in all categories (reading, writing, math, and science) on the Iowa State Assessment of Student Progress (ISASP). <i>*See the counselor for other requirements</i>
0.5	<b>SWCC - Carpentry &amp; Building Trades</b> - Year 1: Carpentry Lvl. I (3 cr.) - Year 1: Construction Lab IB (5 cr.) - Year 2: Carpentry Lvl. II (2 cr.) - Year 2: Construction Lab IIB (5 cr.)	9-12 <sup>th</sup> Grade	@ Central Decatur HS Must be able to provide their own transportation to-and-from the training site. <i>*See the counselor for other requirements</i>
0.5	<b>SWCC - Welding Year 1</b> - Intro to Shielded Metal Arc Welding (3 cr.) - Intro to Gas Metal Arc Welding (3 cr.)	9-12 <sup>th</sup> Grade	@ Central Decatur HS Must be able to provide their own transportation to-and-from the training site. <i>*See the counselor for other requirements</i>
0.5	<b>SWCC - Nurse Assisting Year 1</b> - Nurse Aid (3 cr.) - Health Occupations (3 cr.) - Pharmacology Basics (3 cr.)	9-12 <sup>th</sup> Grade	@ Central Decatur HS Must be able to provide their own transportation to-and-from the training site. <i>*See the counselor for other requirements</i>

## Other Graduation Requirements

	<b>CPR Certification</b>	Certification training offered in Spring by Mormon Trail CSD. Students who have gotten their certification outside of school can provide proof of certification to the front office to have the requirement marked as completed.
	<b>Dues Paid</b>	Includes cap and gown costs, library late fees (if applicable), technology repair/replacement fees (if applicable), etc.

# Four Year Planner

# Mormon Trail Four Year Planner

Name: \_\_\_\_\_ Graduation Year: \_\_\_\_\_

## HIGH SCHOOL GRADUATION REQUIREMENTS:

Students need to complete **26 credits for graduation**. Minimum requirements are:

- **4.5 credits of English** including English I, English II, English III, English IV and Public Speaking;
- **3 credits of Math** including Algebra I;
- **3 credits of Science** including Biology and Physical Science;
- **3 credits of Social Studies** including American History, Government, and Financial Literacy;
- **2 credits (4 years) of PE**. Students may not have more than one study hall per semester.

FRESHMAN YEAR (9th)	Credits
<input type="checkbox"/> English I	1
<input type="checkbox"/> PE	0.5
<input type="checkbox"/> Physical Science	1
<input type="checkbox"/> Algebra I <u>or</u> Geometry	1
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____

SOPHOMORE YEAR (10th)	Credits
<input type="checkbox"/> English II	1
<input type="checkbox"/> PE	0.5
<input type="checkbox"/> Biology	1
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____

JUNIOR YEAR (11th)	Credits
<input type="checkbox"/> English III	1
<input type="checkbox"/> PE	0.5
<input type="checkbox"/> Public Speaking	0.5
<input type="checkbox"/> American History	1
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____

SENIOR YEAR (12th)	Credits
<input type="checkbox"/> English IV <u>or</u> SWCC Comp I & II	1
<input type="checkbox"/> PE	0.5
<input type="checkbox"/> Government/Financial Literacy	1
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____

**Back Up Classes:** Write 3-4 additional classes you would be interested in taking in case we are unable to schedule your listed classes.

\_\_\_\_\_

Parent Signature: \_\_\_\_\_ Date: \_\_\_\_\_

# Requirements Checklist

Name: \_\_\_\_\_



## Mormon Trail CSD Graduation Checklist

### English Credits (4.5 required)

- ☐ ☐ English I (1)
- ☐ ☐ English II (1)
- ☐ ☐ English III (1)
- ☐ ☐ English IV / Comp. I & II (1)
- ☐ Public Speaking (0.5)

### Math Credits (3 required)

- ☐ ☐ Algebra I (1)
- ☐ ☐ \_\_\_\_\_
- ☐ ☐ \_\_\_\_\_

### Science Credits (3 required)

- ☐ ☐ Biology (1)
- ☐ ☐ Physical Science (1)
- ☐ ☐ \_\_\_\_\_

### Financial Literacy (0.5 required - take ONE)

- ☐ Financial Literacy (0.5 - also counts as SS cr.)
- ☐ Consumer Math (0.5 - also counts as Math cr.)
- ☐ Life Skills (0.5)

### Social Science Credits (3 required)

- ☐ ☐ American History (1)
- ☐ Government (0.5)
- ☐ ☐ \_\_\_\_\_
- ☐ ☐ \_\_\_\_\_

### PE Credits (3 required)

- ☐ PE / Weight Lifting / Waiver (0.25)
- ☐ PE / Weight Lifting / Waiver (0.25)
- ☐ PE / Weight Lifting / Waiver (0.25)
- ☐ PE / Weight Lifting / Waiver (0.25)
- ☐ PE / Weight Lifting / Waiver (0.25)
- ☐ PE / Weight Lifting / Waiver (0.25)
- ☐ PE / Weight Lifting / Waiver (0.25)
- ☐ PE / Weight Lifting / Waiver (0.25)

☐ CPR Certification

Name: \_\_\_\_\_



## Mormon Trail CSD Graduation Checklist

### English Credits (4.5 required)

- ☐ ☐ English I (1)
- ☐ ☐ English II (1)
- ☐ ☐ English III (1)
- ☐ ☐ English IV / Comp. I & II (1)
- ☐ Public Speaking (0.5)

### Math Credits (3 required)

- ☐ ☐ Algebra I (1)
- ☐ ☐ \_\_\_\_\_
- ☐ ☐ \_\_\_\_\_

### Science Credits (3 required)

- ☐ ☐ Biology (1)
- ☐ ☐ Physical Science (1)
- ☐ ☐ \_\_\_\_\_

### Financial Literacy (0.5 required - take ONE)

- ☐ Financial Literacy (0.5 - also counts as SS cr.)
- ☐ Consumer Math (0.5 - also counts as Math cr.)
- ☐ Life Skills (0.5)

### Social Science Credits (3 required)

- ☐ ☐ American History (1)
- ☐ Government (0.5)
- ☐ ☐ \_\_\_\_\_
- ☐ ☐ \_\_\_\_\_

### PE Credits (3 required)

- ☐ PE / Weight Lifting / Waiver (0.25)
- ☐ PE / Weight Lifting / Waiver (0.25)
- ☐ PE / Weight Lifting / Waiver (0.25)
- ☐ PE / Weight Lifting / Waiver (0.25)
- ☐ PE / Weight Lifting / Waiver (0.25)
- ☐ PE / Weight Lifting / Waiver (0.25)
- ☐ PE / Weight Lifting / Waiver (0.25)
- ☐ PE / Weight Lifting / Waiver (0.25)

☐ CPR Certification

**Name:** \_\_\_\_\_



## Mormon Trail CSD

### Electives Checklist

### **Electives (10 credits required)**

[illegible]



