

**MORMON TRAIL
COMMUNITY SCHOOL**

CURRICULUM
HANDBOOK

2017-2018
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 enters 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, student, parents, and educators can help each student attain his or her lifetime goals and continue the tradition of excellence at Mormon Trail Community School.

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 insure 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 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?

Enrolling in College or University: Student 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 the students in planning for the day that 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, cum GPA, and ACT or SAT results. Following are some general requirements that a student should consider if planning to enter college.

1. Mathematics is a requirements. Three years of credit should be the minimum earned in high school with 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. 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 are recommended and four years suggested for students entering scientific or technical fields. Many colleges and some scholarships require/suggest chemistry and/or physics.
3. At least four years of English is recommended. 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 read effectively material of medium difficulty with good comprehension. College bound English includes: English I, II, III and IV, and creative writing. Speech is often recommended.
4. At least three years of Social Studies is recommended. Classes in this area are often required to graduate from college. A good background will help students be successful.
5. 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. Students enrolling in college should have acquired the ability to think logically, critically, and effectively.
7. Students enrolling in college should have developed effective study habits.
8. To some degree, college admission and scholarships requires some extracurricular interests. These generally will not overshadow academic pursuits but are closely reviewed.

Pursuing Vocational or 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. Many vocational technical schools have some academic requirements. A good background in English is desired, especially written and oral communications.
2. Students planning to enroll in business education schools should have a background in high school business and math courses.
3. Insure your acceptance to the vocational technical program of your choice by planning and completing a balanced high school course may not be best suited for your future plans.
4. 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.

Armed Forces: 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.

Mormon Trail High School

Graduation Requirements

SUBJECTS	CREDITS
English (Eng I, Eng II, Eng III, Eng IV, Speech)	9
Science (Biology I and Physical Science)	6
Mathematics (Algebra I)	6
Social Studies (Am Hlstory and Government)	6
Physical Education	4
Electives	<u>19</u>
TOTAL	50

List of Course Offered

GR means Graduation Requirement that must be completed with a passing grade

FRESHMAN

ALGEBRA I (2 cr) (GR)

American Studies

Art I (2 cr)

Band (2 cr)

BIOLOGY I (2 cr) (GR)

Choir (2 cr)

ENGLISH I (2 cr) (GR)

Geometry (2 cr)

Health (2 cr)

Ag I (2 cr)

Intro to Technology (2 cr)

Living Skills (2 cr)

PHYSICAL EDUCATION (1 cr/yr) (GR)

Pre-Algebra I (2 cr)

Spanish I (2 cr)

Early World History (2 cr)

SOPHOMORES

All Freshman Level Courses

Agriculture II (2cr)

Algebra II (2 cr)

Ceramics (1 cr)

Early World History (2 cr)

Drawing (1 cr)

ENGLISH II (2 cr) (GR)

Foods I (1 cr)

Foods II (1 cr)

Housing (1 cr)

IA Metals / Welding (2 cr)

Painting (1 cr)

Parenting (1 cr)

PHYSICAL EDUC (1 cr/yr)(GR)

PHYSICAL SCIENCE(2 CR)(GR)

Spanish II (2 cr)

IA Woods / Woods I (2 cr)

Modern World History (1 cr)

Health (2 Cr)

Current Events (2 cr)

Drama (1 cr)

JUNIORS

All Freshman/Sophomore level courses

AMERICAN HISTORY (2 cr) (GR)

Anatomy/Physiology (2 cr)

Chemistry I (2 cr)

Consumer Math (2 cr)

Creative Writing (1 cr)

ENGLISH III (2 cr)

PHYSICAL EDUC. (1 cr/yr) (GR)

Pre-Calculus (2 cr)

Psychology (2 cr)

Spanish III (2 cr)

SPEECH (1 cr) (GR)

Environmental Science (2 cr)

Welding II(2 cr)

Woods II (2 cr)

Ag III (2 cr)

Economics (1 cr)

Sci-Fi Novels (1 cr)

SENIORS

All Courses offered

Calculus (2 cr)

Careers (1 cr)

Consumer Math (2 cr)

ENGLISH IV (2 cr) (GR)

GOVERNMENT (1 cr) (GR)

PHYSICAL EDUC. (1 cr/yr) (GR)

Practical English (2 cr)

Senior Portfolio (2 cr)

Spanish IV (2 cr)

Adv Science (2 cr)

Ag IV (2 cr)

Adv. Welding (2 cr)

Senior Out

SWCC Online Courses (Junior / Senior year if student meets qualifications)

All online courses carry 1 H.S credit and 3 college credits

Composition I

Intro to Business

Health Occupations

Nurses Aide

Intro to Sociology

Composition II

Principles of Management

Medical Terminology

Pharmacy Basics

Western Civilization

CTE Course

***Living Skills**

Foods I

Foods II

Housing

Parenting

Careers

***Ag I**

Ag II

Ag III

Ag IV

Careers

***Intro to Tech**

I.A. Metals/Welding

I.A. Woods I

I.A. Woods II

Adv Welding

Careers

***Art I**

Painting

Drawing

Ceramics

Design

Yearbook

Sr. Portfolio

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

THINGS TO REMEMBER:

1. Every high school student must take a minimum of six (6) full credit classes **PLUS** PE each semester for a total of seven classes,
2. By the end of the second semester of the preceding year, students must earn 10 or more credits to be classified as a sophomore, 23 or more credits to be classified as a junior and 36 or more credits to be classified as a senior and to be a candidate for graduation.
3. All MTHS classes are open to all students providing course prerequisites are met.

Post Secondary Enrollment Options/Dual Credit (College Courses)

Students in grades 9-12 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 9th and 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 get less than a C or receives not 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. Student 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. Stark is at the high school building all day on Tuesday and Thursday and until 1:15 on Monday, Wednesday and every other Friday. From 1:30 to the end of the day, on Monday, Wednesday and every other Friday, Mrs. Stark is available at the elementary building.

Four Year Course Planner

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 **50 credits for graduation**. Minimum requirements are **9 credits of English** including English I, English II, English III, English IV and Speech; **6 credits of Math** including Algebra I; **6 credits of Science** including Biology I and Physical Science; **6 credits of Social Studies** including American History and Government; and **4 credits/years of PE**. Students may not have more than one study hall per semester.

FRESHMAN YEAR

- | | | |
|---------------------------|-----|--|
| 1. English I | 2 | |
| 2. Biology I | 2 | |
| 3. PE | 1 | |
| 4. Pre-Alg/Alg I/Geometry | 2 | |
| 5. _____ | ___ | |
| 6. _____ | ___ | |
| 7. _____ | ___ | |
| 8. _____ | ___ | |

Total Credits Freshman Year _____

SOPHOMORE YEAR

- | | | |
|---------------------|-----|--|
| 1. English II | 2 | |
| 2. Physical Science | 2 | |
| 3. PE | 1 | |
| 4. Math _____ | 2 | |
| 5. _____ | ___ | |
| 6. _____ | ___ | |
| 7. _____ | ___ | |
| 8. _____ | ___ | |

Total Credits Sophomore Year _____

JUNIOR YEAR

- 1. American History 2
- 2. English III 2
- 3. Speech / _____ 2
- 4. PE 1

- 5. _____
- 6. _____
- 7. _____
- 8. _____

Total Credits Junior Year _____

SENIOR YEAR

- 1. Government / _____ 2
- 2. English IV 2
- 3. PE 1
- 4. _____

- 5. _____
- 6. _____
- 7. _____
- 8. _____

Total Credits Senior Year _____

Parent Signature _____ Date _____

Grading Scale

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

Letter Grade	Percent Correct	Numerical Grade	Wt. 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- 0	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.

Agriculture

Introduction to Agriculture - Ag I

Course Length	1 year
Credit per Semester	1
Grade Level	9-12
Prerequisites	None
Elective Course	

Course Description: This course is for the beginning ag student. Student must complete this yearlong course in order to take other ag classes. This class will discuss all aspects of FFA, improving leadership skills, all aspects of animal science and will touch briefly on plant sciences.

Agriculture II - Plant Science (Soils and Crops)

Course Length	1 year
Credit per Semester	1
Grade Level	10-12
Prerequisites	Introduction to Agriculture
Elective Course	

Course Description: This a yearlong course for 10-12th grade students. Students will learn about the importance of soil in everyday life. They will learn how to evaluate soil for productivity potential, uses and problems. Students will be involved in the Sub-District and District FFA Soil Judging Contests. Students will also learn how to read and interpret a soil survey book as well as use a plat map. Student will also learn about crop production in this class. This will include food production, pest management, harvesting and storage, planting, marketing and alternative crops.

Animal Science - Ag III

Course Length	1 year
Credit per Semester	1
Grade Level	11-12
Prerequisites	Introduction to Agriculture
Elective Course	

Course Description: This course is designed to improve student's knowledge of animals important to agriculture. A focus will be placed on nutrition, reproduction, marketing, careers, diseases and parasites, and uses of cattle, horses, sheep, goats, swine, and chickens.

Ag. Business - Ag IV

Course Length	1 year
Credit per Semester	1
Grade Level	12
Prerequisites	Introduction to Agriculture
Elective Course	

Course Description: Designed for students pursuing a career in agriculture management and all aspects of business entrepreneurship.

Driver's Education

Course Length	Offered during summer ONLY
Credit per Semester	0.5

Grade Level	14 years old or older
Prerequisites	Must have driver's permit before class begins
Elective Course	

Course Description: 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) attain 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

English 7

Course Length	1 year
Grade Level	7

Course Description: English 7 students will study:

1. Grammar including:
 - a. Parts of Speech
 - b. Compound Sentences
 - c. Subject/Verb Agreement
 - d. Capitalization
 - e. Punctuation
2. Spelling.Vocabulary
3. The Writing Process

English 8

Course Length 1 year
Grade Level 8

Course Description: English 8 students will study:

1. Grammar including:
 - f. Parts of Speech
 - g. Compound Sentences
 - h. Subject/Verb Agreement
 - i. Capitalization
 - j. Punctuation
2. Spelling.Vocabulary
3. The Writing Process

Reading 7

Course Length 1 year
Grade Level 7

Course Description: This course offers student the opportunity to focus on their reading skills. It is intended to improve a student's vocabulary, critical thinking, reading rate and comprehension level.

Reading 8

Course Length 1 year
Grade Level 8

Course Description: This course offers student the opportunity to focus on their reading skills. It is intended to improve a student's vocabulary, critical thinking, reading rate and comprehension level.

English I

Course Length	1 year
Credit per Semester	1
Grade Level	9
Prerequisites	None
Required Course	

Course Description: English I students will study: Literature including short stories and drama, the Writing Process, Spelling/Vocabulary and review Grammar.

English II

Course Length	1 year
Credit per semester	1
Grade Level	10
Prerequisite	English I
Required Course	

Course Description: 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 test are administered. The student will read models of narrative, description, persuasive and expository essays and are required to write a paper of type of essay. Dramas, novels, autobiographies and biographies are also studied.

English III

Course Length	1 year
Credit per semester	1
Grade Level	10
Prerequisite	English II
Required Course	

Course Description: 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.

English IV

Course Length	1 year
Credit per semester	1
Grade Level	10
Prerequisite	English III
Required Course	

Course Description: 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.

Speech

Course Length	1 semester
Credit per semester	1
Grade Level	11-12
Prerequisite	Must have taken English II
Required Course	

Course Description: 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.

Creative Writing

Course Length	1 semester
Credit per semester	1
Grade Level	11-12
Prerequisite	English II
Elective Course	

Course Description: 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.

Practical English

Course Length	1 year
---------------	--------

Credit per semester	1
Grade Level	12
Prerequisite	English III and Admin/Teacher approval
Elective Course	

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

Science Fiction Novels

Course Length	1 semester
Credit per semester	1
Grade Level	11-12
Prerequisite	English II
Elective Course	

Course Description: 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!

Family and Consumer Science

Foods and Nutrition (Foods I)

Course Length	1 semester
Credit per semester	1
Grade Level	10-12
Prerequisite	Living Skills

Elective Course

Course Description: This course is designed to prepare individuals to understand the principles of nutrition; the relationship of nutrition to health and wellness; the selection, preparation and care of food; meal management to meet individual and family food needs and patterns of living; optimal use of the food dollar; understanding and promoting nutritional knowledge; and application of related math and science skills. Student will study food preservation, processing and preparation. They will develop writing and reason skills through measuring, recording and writing laboratory and short research projects, and predicting and evaluating laboratory results.

Advance Foods (Foods II)

Course Length	1 semester
Credit per semester	1
Grade Level	10-12
Prerequisite	Foods I
Elective Course	

Course Description: Advanced Foods and Nutrition student will have the opportunity to develop advanced food preparation skills while applying the nutrition information and food preparation skills learned foods I. Students explore areas of interest which may include quantity food production, cultural and regional cuisines, convenience foods creating and adapting recipes, use of small cooking appliances, cake decorating, entertaining, changes in nutritional needs throughout the life cycle, vegetarian diets, nutrition for athletes, eating disorders, and careers in food and nutrition-related occupations.

Parenting

Course Length	1 semester
Credit per semester	1
Grade Level	10-12
Prerequisite	Living Skills

Elective Course

Course Description: This instructional program studies the intellectual, social, emotional, biological development of children and the planning and design of related human services. It includes instruction in conception, prenatal care, the birthing process, parent-child relations, parenting practices, special needs of children, parental and environmental influences on child development, external support services, social, intellectual, and emotional well-being of children, and related public policy issues.

Living Skills

Course Length	1 year
Credit per semester	1
Grade Level	9-12
Prerequisite	None

Elective Course

Course Description: Living Skills is a course designed for students who have not taken a Family and Consumer Science (FCS) course. The units of study will include: learning how individuals develop and function in the family, work in the community setting, and how they relate to their physical, social, emotional and intellectual environments. A component will also include career exploration and its impact on families. This course also includes the basics of cooking, food safety and sanitation. We will also include a unit on the basics of sewing and students will need to provide their own sewing supplies for their project. Family, Career, and Community Leaders of America (FCCLA) activities will also be an integral part of this course.

Housing

Course Length	1 semester
Credit per semester	1
Grade Level	10-12
Prerequisite	Living Skills
Elective Course	

Course Description: This course will enable students to learn the physical, psychological, and social influences on housing decisions. The study will also focus on the varied types of housing, cost, exteriors, and interior design; home furnishing and equipment, and the selection, use and care of available resources for achieving improved living space to meet individual and family needs.

Careers

Course Length	1 semester
Credit per semester	1
Grade Level	11-12
Prerequisite	None
Elective Course	

Course Description: An instructional program that introduces individuals to career opportunities and/or pathways with an emphasis in family and consumer sciences related occupations/careers. Instruction emphasizes career development, career preparation components to include interviewing

skills, resume writing and portfolio preparation. The use of technology is a major emphasis of the program.

7-8 Exploratory

Explore Art

Course Length	1 quarter
Grade Level	7th and 8th grade

Course Description: 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 critiques.

Explore FCS

Course Length	1 quarter
Grade Level	7th and 8th grade

Course Description: This is an introductory course that will include many topics. Some topics that students will study include: career exploration, foods and nutrition, clothing construction, design, relationships, etc.

Explore Music

Course Length	1 quarter
Grade Level	7th and 8th grade

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

Explore Technology

Course Length	1 quarter
Grade Level	7th and 8th grade

Health 7 & 8

Course Description: During 7th and 8th grade students will explore many different health topics. Some of those topics discussed are: mental health, tobacco prevention, first aid, drug/alcohol abuse prevention, and consumer health issues.

Fine Arts

Art I

Course Length	1 year
Credit per semester	1
Grade Level	9-12
Prerequisite	None
Elective Course	

Course Description: This is an introductory course, designed to give the student some hands-on-experience in several art areas such as practice in drawing skills; 2-D design (with emphasis on balance and composition), effective use of the basic elements of art; ceramics (hand built and wheel thrown); painting in various media, art in advertising; and 3D design (architectural and sculptural). There are also lectures, reading and writing

assignments, and discussion on art history, aesthetics, artists, etc. Extensive use of art history books and the Internet is part of the research routine.

Drawing

Course Length	1 semester
Credit per semester	1
Grade Level	10-12
Prerequisite	Art I
Elective Course	

Course Description: This is an introductory studio drawing course designed to give the student extensive practice in still life, landscape and figure drawing skills. Involved also are guided exercises in composition, positive and negative space relationships, and continued effective use of the five basic 2-D art elements. There are also lectures, reading and writing assignments, and discussion on art history aesthetics, artists, etc. Extensive use of art history books and the Internet is part of the research routine.

Painting

Course Length	1 semester
Credit per semester	1
Grade Level	10-12
Prerequisite	Art I and Drawing
Elective Course	

Course Description: This is an introductory studio-painting course, designed to give the student extensive practice in still life, landscape, and figure painting skills. Involved also are guided exercises in composition, positive and negative space relationships, color mixing, paint handling,

various paint media practices and continued effective use of the five basic 2-D art elements. There are also lectures, reading and writing assignments and discussions on art history, aesthetics, artists, etc. Extensive use of art history books and the Internet is part of the research routine. Throughout the semester the student is required to paint landscape, figure, still life, basic abstract, illusion of opaque non-reflective form, illusion of reflective surfaces, and the illusion of transparency.

Yearbook

Course Length	1 year
Credit per semester	1
Grade Level	9-12
Prerequisite	None
Elective Course	

Course Description: This a course dedicated to the content, design, layout, financing and publishing of the school annual: a professionally printed 112 page hard-cover 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, ad layouts, through pre-school to grade 11 portrait pages, senior portraits, senior baby pictures, paid parental congratulations, and a guide, information gathering, typesetting, digital photo taking, and layout of sports, general organizations, and special events such as prom, graduation, homecoming, school play, and the senior trip. 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, in practical terms, that the entire school year through graduation and senior trip can be included , and the final paste-ups

don't need to be sent to the publisher until June each year. The book becomes available for distribution in September.

Ceramics

Course Length	1 semester
Credit per semester	1
Grade Level	10-12
Prerequisite	Art I
Elective Course	

Course Description: 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, on 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).

Design

Course Length	1 semester
Credit per semester	1
Grade Level	10-12
Prerequisite	Art I
Elective Course	

Course Description: The class starts with a basic survey of the elements of art and places heavy emphasis on the organization of those elements into meaningful composition and balance. Exercises and projects include progress ranging from 2-D work through to creating the illusions of 3-D space achieved by the skilled handling of the basic elements. There are reading, reports and instructor led discussions on famous sculptors, sculptural themes and sculptural forms. Practices in sculptural techniques include the three basics (additive, subtractive, and constructive).

9-12 Band

Course Length	1 year
Credit per semester	1
Grade Level	9-12
Prerequisite	None
Elective Course	

Course Description: 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. The 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.

9-12 Choir

Course Length	1 year
Credit per semester	1
Grade Level	9 -12
Prerequisite	None
Elective Course	

Course Description: 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.

7-8 Choir

Course Length	1 year
Grade Level	7-8

Course Description: 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.

Foreign Language

Spanish I

Course Length	1 year
Credit per semester	1
Grade Level	9-12
Prerequisite	None
Elective Course	

Course Description: 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.

Spanish II

Course Length	1 year
Credit per semester	1
Grade Level	10-12
Prerequisite	Spanish I
Elective Course	

Course Description: 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.

Spanish III

Course Length	1 year
Credit per semester	1
Grade Level	11-12
Prerequisite	Spanish II
Elective Course	

Course Description: 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.

Spanish IV

Course Length	1 year
Credit per semester	1
Grade Level	12

Prerequisite Spanish III
Elective Course

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

Industrial Technology

Intro to Technology I

Course Length 1 year
Credit per semester 1
Grade Level 9-12
Prerequisite None
Elective Course

Course Description: This course will introduce the student to correct and safe use of tools and equipment in the shop area. Students will engage in a variety of projects to learn about the processes involved in the construction projects. Basic areas of study are drafting, woodworking, welding, electricity and small engines. This will include designing and construction of these projects. Some cost may be incurred due to student-designed projects.

Welding

Course Length 1 year
Credit per semester 1
Grade Level 10 - 12
Prerequisite Intro to Technology
Elective Course

Course Description: This course will consist of the study of metal, its properties and uses. Specific areas of study include understanding mechanical drawings, measurement, brazing, gas welding, shielded metal arc welding, and metal fabrication. Through selected projects the student will develop safe working habits and skills in the above area. Some costs will be incurred due to student-designed projects.

Mathematics

7th Grade Math

Course Length	1 year
Grade Level	7

Course Description: 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.

8th Grade Math

Course Length	1 year
Grade Level	8

Course Description: 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 analyses and probability. Students will be expected to demonstrate these concepts by solving applied problems using different strategies.

Pre Algebra

Course Length	1 year
Credit per semester	1
Grade Level	8-10
Prerequisite	8th grade Math or with Teacher
Approval	
Elective Course	

Course Description: 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.

General Math

Course Length	1 year
Credit per semester	1
Grade Level	9-10
Prerequisite	Math 8

Course Description: This course gives students the opportunity to review their mathematical skills in the areas of basic operations with whole

numbers, fractions, decimals, ratios, proportions, and percents. Emphasis will be on Math in everyday life. Geometry, area, volume, statistics, graphs, and integers concepts will be included.

Algebra I

Course Length	1 year
Credit per semester	1
Grade Level	9-10
Prerequisite	Math 8
Required Course	

Course Description: 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.

Algebra II

Course Length	1 year
Credit per semester	1
Grade Level	10-12
Prerequisite	Geometry or Teacher Approval
Required Elective Course	

Course Description: 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.

Geometry

Course Length	1 year
Credit per semester	1
Grade Level	9-10
Prerequisite	Algebra I
Required Elective Course	

Course Description: This course develops Euclidian 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.

Financial Math (Consumer Math)

Course Length	1 year
Credit per semester	1
Grade Level	10
Prerequisite	1 year of high school Math
Elective Required Course	

Course Description: 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, economic principles, traveling abroad, starting a business, and analyzing business data. 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 of personal finance. I

Pre Calculus

Course Length	1 year
Credit per semester	1
Grade Level	11-12
Prerequisite	Algebra II
Elective Course	

Course Description: 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.

Physical Education

P.E. 7th and 8th Grade

Course Length	1 year in both 7th and 8th Grade
Grade Level	7 & 8

Course Description: 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.

	Health
Course Length	1 year
Credit per semester	1
Grade Level	9-12
Prerequisite	None
Elective Course	

Course Description: 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.

9-12 P.E.

Course Length	1 year
Credit per semester	1
Grade Level	9-12 required each year
Prerequisite	None
Required Course	

Course Description: High School student 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. Student 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.

Weight Training

Course Length	1 year
Credit per semester	0.5
Grade Level	9-12
Prerequisite	None
Elective Course	This course will replace PE credit(s) Students may not take both PE and Weight Training during the same Semester.

Course Description: 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

7th Grade Science

Course Length	1 year
Grade Level	7

Course Description: 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.

8th Grade Science

Course Length	1 year
Grade Level	8

Course Description: 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.

Physical Science

Course Length	1 year
Credit per semester	1
Grade Level	9-10
Prerequisite	None
Required Course	

Course Description: 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.

Biology I

Course Length	1 year
Credit per semester	1
Grade Level	9-10
Prerequisite	None
Required Course	

Course Description: 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 the class.

Anatomy and Physiology

Course Length	1 year
Credit per semester	1
Grade Level	11-12
Prerequisite	Biology I
Elective Course	

Course Description: 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.

Environmental Science

Course Length	1 year
---------------	--------

Credit per semester	1
Grade Level	9-10
Prerequisite	None
Elective Course	

Course Description: 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.

Physics

Course Length	1 year
Credit per semester	1
Grade Level	11-12
Prerequisite	Geometry and Algebra II
Elective Course	

Course Description: 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.

Chemistry I

Course Length	1 year
Credit per semester	1
Grade Level	10 -12
Prerequisite	Algebra I
Elective Course	

Course Description: 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.

Social Studies

7th Grade Geography

Course Length	1 year
Grade Level	7

Course Description: Students will discover and study physical formations in general and specifically in relation to different regions of the world. A general background in mapping skills will be covered. Through this course students will better understand the environment around them, and throughout the world.

8th Grade Social Studies

Course Length	1 year
Grade Level	8

Course Description: Students will use cooperative learning, critical thinking creative thinking, interdisciplinary instruction and technology to interpret American history from prehistory to the Civil War.

American Studies

Course Length	1 year
Credit per semester	1
Grade Level	9-12
Prerequisite	None
Elective Course	

Course Description: This course studies American History in themes, not in chronological order. It is more in depth, and enriching in nature. Projects take precedence over quizzes and tests. Themes that have been covered include: Government, War, Entertainment, Disaster and Triumph, and Civil Rights. Each section looks, in depth, on the effect each theme has had on American History.

World History

Course Length	1 year
Credit per semester	1
Grade Level	9-12
Prerequisite	None
Elective Course	

Course Description: 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.

American History

Course Length	1 year
Credit per semester	1
Grade Level	11
Prerequisite	None

Required Course

Course Description: 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 U.S. History and their relevance to World History.

Government

Course Length	1 semester
Credit per semester	1
Grade Level	12
Prerequisite	None
Required Course	

Course Description: 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. Through this course students will gain a better understanding of government, his/her role in it, his/her rights guaranteed by the Constitution, and a better understanding of its operation.

Psychology

Course Length	1 semester
Credit per semester	1
Grade Level	11-12
Prerequisite	None
Elective Course	

Course Description: 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.

Economics

Course Length	1 semester
Credit per semester	1
Grade Level	11-12
Prerequisite	None
Elective Course	

Course Description: 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 a different types of economics including Communism and Feudalism.

Career Academy Classes offered through Southwestern Community College

All these classes are for 11th and 12th grade students. Students must meet SWCC's requirements.

Carpentry

Health Occupation Courses

