Mathematics

9th Grade CCSSI – Math Level 1 (52300)
Common Core State Standards Initiative
Full Year / 1.0 Mathematic Credit

Students will use quantities to model and analyze real-life situations. They will explore many examples of functions given by graphs and tables. Students will work with integer exponents and exponential functions, compare and contrast linear and exponential functions, and work with both arithmetic and geometric sequences. They will develop fluency in writing, interpreting and translating between various forms of linear equations and inequalities and use them to solve problems. They will solve problems involving triangle, quadrilaterals, and other polygons. They will work with Pythagorean Theorem to find distances and will work with the coordinate system to solve problems.

9th Grade CCSSI – Math Level 1 HONORS (52310)
Common Core State Standards Initiative
Full Year / 1.0 Mathematic Credit

This class will include more Algebra 2 topics and Pre Calculus topics in addition to the topics listed above.

Math CCSI web site www.corestandards.org

Algebra II (53500)
Full Year/1.0 Mathematic Credit.

The focus will be primarily on functions, namely exploring functions, investigating their behaviors and graphing. Types of functions that will be explored are quadratic, inequalities, exponential, logarithmic, polynomial, absolute value, radical, basic trigonometric and linear.

* Students should check with their current Math teacher to help determine which class they should take next year

Language Arts

English 9 (40900)
Full Year/1.0 English Credit

English 9 continues the skill of reading, writing, viewing, speaking and listening. Emphasis is placed on mastery of spelling/vocabulary, writing, interpreting, literature and poetry. Grammar studies will focus on language usage. Students need a loose-leaf (not spiral) notebook and loose-leaf paper.

English 9 Honors (40950)
Full Year/1.0 English Credit
Requires Application

Students must have excellent comprehension skills. Literature, composition, vocabulary and grammar are interlaced to meet Utah’s curriculum requirements. The pace of assignments is accelerated. This class is a survey of English literature and requires extra time outside of class, including summer reading.

Science

Earth Systems (36003)
Full Year/1.0 Science Credit

Earth systems will integrate Earth, physical, space and life sciences. The major goals for this class include the study of energy flow, life webs and matter cycles. Students will explore the geologic processes, the importance of water in Earth systems, and the flow of energy from the sun through the major Earth systems.

Biology (35223)
Full Year/1.0 Science Credit
Requires concurrent enrollment in Geometry or Algebra II & straight A’s in eighth grade Math and Science Classes

Biology is a general course in life science. Students in this class will enjoy the broad field of all living organisms, how they function, and how they fit into the scheme of all living things on the earth. Human reproduction, genetics and ecology are also discussed.

Social Science

World Civilizations (62203)/Geography for Life (64002)
Full Year/1.0 Social Science Credit

This course will integrate human and physical geography with world civilizations throughout history. Students will explore the world and the past that shaped it into what is is today. A focus will be placed on learning about the people of the world, their past and their culture. Students will learn how to use geography and history as a tool to better understand the world in which we live.

Healthy Lifestyles/P.E.

Participation Skills (77002 Boys) (77052 Girls)
Semester/.5 Required Healthy Lifestyle Credit

Students will develop lifetime attitudes regarding physical activity and healthy life-styles. The students will continue to develop motor and heart-lung fitness and endurance. The students will further develop skills in a variety of team sports, recreational activities and dance. The students will continue to develop leadership, fairness and courtesy.
Elective Classes

**Fine Arts**

**Band II Concert Band - (Woodwind/Brass)** (16430)
- Full Year/1.0 Fine Arts Credit
- Prerequisite: Band I or (equivalent) and Teacher Approval
- $10 Fee Required

Intended for students in their 2nd or 3rd year of playing woodwind and brass instruments. Opportunities for performance include music festivals (music performance assessments) in the spring. Students who play larger instruments may rent from the school for $50.00.

**Band III (Woodwind/Brass/Percussion)** (16440)
- Full Year/1.0 Fine Arts Credit
- Prerequisite: Band I & II (or equivalent) and Teacher Approval
- $10 Fee Required

Full band, accelerated music course with opportunity for performance at music festivals (music performance assessments) during the spring. Students who play larger instruments may rent from the school for $50.00.

**Jazz Band** (18450)
- Full Year/1.0 Credits
- Prerequisite: By audition only
- $10.00 Fee Required

Students explore the fascinating musical language of Jazz in a ‘Big Band’ setting. Concurrent enrollment in a Band or Percussion class required for winds and percussion. Performance opportunities vary from school functions to music festivals (music performance assessments.) As rehearsals will be held during AP, students are required to maintain high academic performance in order to attend rehearsal every day. Jazz band meets during zero hour three times a week.

**Orchestra II (17720)**
- Full Year/1.0 Fine Arts Credit
- Prerequisite: Orchestra I (7th Grade Orchestra) or Teacher Approval
- $10 Fee Required

This course will expand musicianship skills on the violin, viola, cello and string bass through the third year of development. Viola, cello and bass instruments may be rented from the school for $50.00/year fee. Violins must be rented or purchased from a local music store.

**Orchestra III (16630)**
- Full Year/1.0 Fine Arts Credit
- Prerequisite: Orchestra II (8th Grade Orchestra) or Teacher Approval
- $10 Fee Required

This course will expand musicianship skills on the violin, viola, cello and string bass through the fourth year of development. Viola, cello and bass instruments may be rented from the school for $50.00/year fee. Violins must be rented or purchased from a local music store.

**Concert Choir III/ Footnotes** (18780)
- Full Year/1.0 Fine Arts Credit
- Commitment Required
- Grades 9th
- $10 Fee Required

This is an auditioned class for 9th grade singers. Students must be able to sing on pitch and have a basic grasp of choral habits. Equal numbers of boys and girls will be selected. Sight-reading skill, memorization and high quality vocal production will continue to be improved upon. There is a $25 uniform fee for this choir and concert attire will be issued to each student.

**Adv. Womens Chorus/ BellaVoce**- (18773)
- Full Year/ 1.0 Fine Arts Credit
- Commitment Required
- Grades 9th
- $10 Fee Required

This is an auditioned Class for 9th grade female singers. Students must be able to sing on pitch and have a basic grasp of choral habits. Sight-reading skill, memorization and high quality vocal production will continue to be improved upon. There is a $25 uniform fee for this choir and concert attire will be issued to each student.

**Mens Chorus II** (18760)
- Full Year/1.0 Fine Arts Credit
- Grades 8th or 9th
- $10 Fee Required

This class is open to any 8th and 9th grade young men that loves to sing. No audition is required. We will learn choral habits and sight-reading skill. We will also learn more about music throughout history. Students will perform at different locations.

**Womens Chorus II** (18770)
- Full Year/1.0 Fine Arts Credit
- Grades 8th or 9th
- $10 Fee Required

This class is open to any 8th or 9th grade young lady that loves to sing. No auditions is required. We will learn choral habits and sight-reading skills. We will also learn more about music throughout history. Students will perform at different locations. This is a full year performing class. Students will perform in different locations.
**Theater Foundations I** (19502) (Drama I)  
Semester/.5 Fine Arts Credit  
This course is designed to develop the communication skill, and theatrical fundamentals learned in Speech/Drama I. Students will learn to move naturally and with confidence on stage. Students will memorize scenes, role play and understand plot, character, setting. **This class may not be repeated if already taken in the eighth grade.**

**Theater Foundations II** (19602)  
Semester / .5 Fine Arts Credit  
Prerequisite: (Drama I or Theater Foundations I )  
Grade 9th  
This class is intended for students who have had experience in a previous Drama Class. This is a performance class. Students will memorize scenes, study various scripts, and other various forms of drama play in theaters and on stage. Discussions, include such fundamentals as lighting, make up, sound, costuming, auditioning, talent agencies, resumes and head shots.

**Handwriting to Calligraphy** (10882)  
Semester/.5 Fine Arts Credit  
For 8th and 9th Grade only  
This class will cover the history of handwriting and development of different styles of writing and how they have been used throughout the centuries. Students will learn how to design, layout and create a good informational poster, Italic print and cursive handwriting, several different styles of lettering from ancient to contemporary. The lettering will be drawn into books and made into pieces of art. Student needs good basic art skills and a strong work ethic. This is a fun class!!

**Art Foundations II** (11902)  
Semester/5 Fine Arts Credit  
Prerequisite: Art Foundations I in 7th or 8th grade.  
$10 Fee Required  
This is for more advanced art students with strong drawing skills and a good work ethic! Much is expected. This course is an in-depth exploration of the visual arts through studying a variety of art tools, techniques and mediums. There will be an emphasis on production, designing with the element and principles of art, drawing Tempra painting, print making and book Forms. Students will have experiences with art criticism, art history and aesthetic awareness. This does fill a high school fine arts credit if in 9th grade.

**3-D Design** (10852)  
Semester/.5 Fine Arts Credit  
Prerequisite: Art Foundations I  
For 8th and 9th Grade only  
$10.00 Fee Required  
This art course is designed for students who are creative thinkers, enjoy art and have good visualization skills. Students will learn to use the elements and principles of design to create 3-D works of art such as; book forms, sculpture with several different mediums and techniques, working with fibers, designing for a given space and commercial package design. Students will also develop awareness of good design throughout history, aesthetics and art criticism. Students work in groups and individually. This course fills a high school fine arts credit if in 9th grade.

**Introduction to Photography** (11602)  
Semester/.5 Fine Arts Credit  
For 8th and 9th Grade only  
$10 Fee Required  
This class is designed to teach students how to take quality pictures. They will learn how to compose and modify photos digitally using the program Photoshop CS3. Students will also use light and photographic equipment to create inventive art. Access to a digital camera is highly recommended. Students will also need a USB drive that has at least 1GB of memory.

**Digital Photography II** (11612)  
Semester / .5 Fine Arts Credit  
Prerequisite: Intro to Photography & Arts Found. I  
For 9th Grade only  
$10 Fee Required  
This class is for students who have already completed Introduction to Photography. This class is designed to expand students ability to take quality pictures. They will learn advance composition and editing skills using the program Photoshop CS3. Students will learn how to and take pictures in the following areas: travel, portrait, documentary, landscape and nature, sports, architecture, and fine art photography. Access to digital camera is highly recommended. Students will also need a USB drive that has at least 1GB of memory. Students need to have completed Art Foundations I and Introduction to Photography to enroll in this class.

**Foreign Language**

**Spanish I** (49000)  
Full Year/1.0 Foreign Language Credit  
Special emphasis is placed on speaking and comprehension. Verb conjugation in the present tense, grammar, and vocabulary acquisition are the major focus of the class.

**Spanish II** (49050) (Teacher approval required)  
Full Year/1.0 Foreign Language Credit  
Prerequisite: At least a C/C+ each term in Spanish I  
Continuing emphasis on building speaking and comprehension skills. This year will introduce the past tenses. New vocabulary, grammar and culture are interwoven in challenging and fun ways.
Chinese II (Mandarin) (49710)
Full Year/1.0 Foreign Language Credit

Greater emphasis will be placed on an increased use of Chinese vocabulary, communication skills, and cultural information. More emphasis will be placed on correct sentence structure, proper use of grammar, and better understanding of using tones in the language. Basic Chinese characters will be enhanced with simple reading and writing skills.

Healthy Lifestyles/P.E.

Weight Training & Aerobic Conditioning Boys Only
Semester/.5 Healthy Lifestyles Credit (75102)

Weight Training & Aerobic Conditioning Girls Only
Semester/.5 Healthy Lifestyles Credit (75202)

This class places special emphasis on weight training and will also offer a total body-conditioning program that combines cardiovascular health, flexibility, strength training, along with nutritional and core training exercises. This class may not be used to replace Participation Skills which is required for High School graduation.

Health II (71502)
Semester/.5 Healthy Lifestyles Credit

This class will fulfill the .5 Health credit required for High School graduation. (May also be taken in 10th grade)

The goal of Health Education at the high-school level is to help establish patterns of behavior that will assist a person in achieving complete health. Complete health is accomplished by having a balance of physical, mental, social, emotional, and spiritual well-being. This course is designed to offer students the opportunity to acquire knowledge, incorporate process and life skills, and develop positive attitudes about life. Development of a healthy body and a healthy mind will assist young people in living active, productive, and successful lives.

A health-educated person will be able to...
- comprehend concepts related to health promotion and disease prevention.
- access valid health information and health-promoting products and services.
- practice both health-enhancing and risk-reducing behaviors.
- analyze the influences of society, culture, media, technology, and physical environment on health.
- utilize interpersonal communication skills to improve health and relationships.
- practice and apply goal-setting, decision-making, problem-solving, and stress management skills to promote healthy behaviors.
- develop understanding and respect for self and others.
- advocate for personal, family, and community health.

Career Technology Education

Agricultural Science I (81570)
Full Year / 1.0 Elective Science Credit

This is an introductory course for students in agricultural education and can serve as the foundation course for advanced courses in animal science, plant science, horticulture, natural resources, agricultural systems technology, or the composite course agricultural science and Technology. Topics covered will be basic animal and plant science, personal and leadership development, and agricultural career awareness. Through this process the students will develop agricultural literacy.

Family & Consumer Sciences Foods I (84772)
Semester/.5 CTE Credit
Prerequisite: Teacher Approval

Nutrition will be emphasized as students learn preparation of foods from foreign countries such as Mexico, Italy, Germany, Scandinavia, and France. Many cooking experiences will take place as students learn and practice kitchen and food safety, increase their knowledge of kitchen equipment, and become more confident in the kitchen. A class for boys and girls. A $20.00 fee will be assessed.

Clothing I (84082)
Semester/.5 CTE Credit

This is a great class for 9th grade students. Intermediate sewing will be the focus of this class. We will begin with a review of construction techniques, pattern layout, and ironing/pressing information. Student will begin with fun shorts or drawstring PJ’s. Next, students can choose from a variety of more difficult projects that include techniques such as: zippers, collars, buttonholes, and set-in sleeves, etc. Many students enter the Make-It-Yourself With Wool contest held in the Fall. We do hand and machine craft projects to finish up the semester.
**Technology**

**Introduction to Manufacturing (Woods) (88642)**  
Career Technology Education  
Semester/.5 CTE Credits  
Grades 8th or 9th

“Woodshop” is a hands-on course that allows students to explore the manufacturing of products utilizing wood materials. Students are to mill and assemble a wood based product. Great emphasis is placed on the safe operation of both hand and power tools. Each semester the students collectively determine the products to be manufactured. A primary focus for the course is to give the students understanding of how to take raw materials and produce a finished product. Previously chosen by student products include toy trucks, a variety of treasure boxes, small tables, benches and long and contour skate boards. Material Expense is based on student choices. Average expense has been $30.

**Introduction to Manufacturing II (Woodshop) (88632)**  
Prequisite Intro. To Manufacturing  
Semester/.5 CTE Credits  
Grades 8th or 9th

This course is designed for students who want to produce products beyond or equal to those produced in Introduction to Manufacturing I. A passing grade in Introduction to Manufacturing I is required for acceptance into this course.  
Into to Manufacturing II is a hands-on course that allows students to explore the manufacturing of products utilizing wood materials. Students are to mill and assemble a wood based product. Great emphasis is placed on the safe operation of both hand and power tools. Each semester the students collectively determine the products to be manufactured. As product selection varies each semester, taking this course a second time can be an appealing and different adventure. Previously produced products include toy trucks, a variety of treasure boxes, small tables, benches and long and contour skate boards. Material Expense is based on student choices. Average expense has been $30.

**Exploring Technology / Robotics (86302)**  
Semester/.5 CTE Credit  
Grades 8th or 9th

The purpose of this course is to have the students increase their technology knowledge and be more aware of the technology around them and in their future. Hands-on activities carry students into the learning of many scientific and technological concepts. Contained within this course are the four major areas of manufacturing: construction, communication and power and transportation. The students will be given multiple opportunities to develop and display problem solving skills. A sample of some activities contained within this course are: **programming robots** (more extensive than CTE Introduction), construction of a model of a house, racing air propelled vehicle, flight simulator, computer aided drawing, CNC vinyl sign maker, manufacturing a product made with power tools, Criminology and CSI principles, applications of solar energy and photo voltaic cells. Material Expense is based on student choices. Average expense for multiple activities has been $5.

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**Business**

**Computer in Business (85352)**  
Semester/.5 CTE/Infor. Tech. Credit

Have you ever tasted chocolate economics? This course will introduce students to the great world of business and computers in a fun and interesting way. Students will learn about business economics while playing Monopoly, eating chocolate, and playing The Price is Right. Students will use marketing concept as they go on a tour of Disneyland, judge old and new television commercials, and check out the best places to buy ice cream and candy across America. In addition, students will use computer applications and the internet to create their own web page, invest in the stock market, and get a car loan. These are but a few of the many fun activities that student will do as they learn these valuable life skills.

**Computer Technology (85182)**  
Semester/.5 Info. Tech. Credit  
Grade 9th

This class will fulfill the .5 credit computer tech. required for High School graduation. No longer Accepted as Concurrent Enrollment for College Credit.

**This computer course must be taken in either 9th grade or 10th grade by all students.** The UVU concurrent enrollment credit is no longer given for this class in high school. Therefore, students can successfully take this course for the same exact credit in either 9th or 10th grade. This class consists of a basic introduction to gaining computer skills in word processing, spreadsheets, presentation software, and basic Internet and email skills. Students will learn to effectively use professional software programs like Word, Excel, and PowerPoint. In addition, they will learn the various components and terminology of the computer field.
Keyboarding 1 (85602)
One Semester (.5 credit)
Grade 8th and 9th
Students typing 35 words or less

This class is definitely for you if you are struggling with your keyboarding skills. Many students have learned the key positions, but type below 35 words per minute. The primary focus of this course is to help students master touch operation on a computer keyboard and increase that speed to at least 50 words per minute. Correct fingering by touch and good techniques will be taught at the beginning of this class using computer lessons, quick-draw drills, showdowns, and computer games. The focus will shift to speed and accuracy as students perfect good techniques.

Note: This class is the last opportunity for students to learn these skills before entering high school.

Language Arts

Yearbook (45502)
Semester/.5 Elective Credit
Application Required

The responsibility of this course is to create, produce, and distribute a school yearbook. Students who participate in this course are encouraged to take a proactive role by contributing ideas and working collaboratively and in harmony with other students in the course. In addition to the creation of the yearbook, this course will also highlight 21st century skills including design, photography, editing, and communications. Students will be given opportunities to demonstrate excellence through the use of different media and technology. A percentage of the student’s grade will depend on attending and documenting assigned after school events. A signed recommendation / application from an English teacher is required. (Application and Work Sample Required. See Yearbook Advisor for details.)

Creative Writing (42102)
Semester/.5 Elective Credit

This class is for those who enjoy writing stories, poems, song lyrics, and other genres. It is a writer’s workshop format with plenty of time for creating, collaborating, sharing and “publishing.”. Grading is based on participation.

School News / Webpage / Multimedia Publicity (45702)
Semester/.5 Elective Credit

Do you want to be published? - Sign up for news and webpage production and you will be writing and producing content for the school and local newspaper as well as creating a weekly video school news program. This class also involves the production of content, photographs and videos used to promote the school on our website. You will use a variety of multimedia products to publicize school events, sports, extracurricular groups, and other school activities. This is a fun, upbeat class that focuses on getting the word out about all the great things happening at MJHS.

Other Courses

Peer Tutoring (05002)
Semester/.5 Elective Credit
Application required

This is a course designed to help students learn about and interact with peers with special needs. Peer helpers may assist students with education goals, physical activities, classroom activities, and occasional community field trips as part of this daily course. Formal application is required including parent signature and recommendation from at least two teachers. Applications available in the counseling office.

Service Learning (69592)
Semester/.5 Elective Credit
Application

This class is designed for those students who would like to make a difference in their school, neighborhood, community, and world. Students will design, organize, and implement service projects as part of this class. Leadership, organization, and service will be taught to students as they address the values of respect, trust, responsibility, caring, and honesty. An application is required for this class. Ninth grade students will be given first consideration.

Teacher Assistant (03002)
Semester/.5 Elective Credit
Application in the Counseling Office
and a 3.0 GPA are Required.

Students will assist teachers in basic organizational functions such as passing back student work, running errands and otherwise helping the teacher in day-to-day tasks other than teaching. Cooperation, responsibility and honesty are essential. Grading is on a Pass/Fail basis.

Release Time/Seminary (09000)
Full Year/Non-school Credit

Students in Seminary will read from their own Bible, Book of Mormon, Doctrine and Covenants, and Pearl of Great Price. Special emphasis each year will be on one of these books of scripture. Credit earned is for the Church of Jesus Christ of Latter-day Saints Educational System only. One unit of credit may be earned in 9th grade. Four units are needed for seminary graduation. A fee is not required. Students should register in their wards as well as at school.