

**Paradigm Schools
Course Catalog
2021-22 School Year**



*Paradigm Preparatory School (7th & 8th Grade)
and Paradigm High School (9th-12th Grade)*

Paradigm Preparatory School

7th & 8th Grade Course Descriptions

Seminar

SEMINAR IS MANDATORY FOR EVERY SCHOLAR.

The Seminar is a unique offering at Paradigm and is the very heart of our liberal arts program. During seminar scholars devour the works of the greatest people of history (preserved in classics) and then meet to discuss what they have learned. Scholars are guided by their mentors to learn how to ask questions, think, write, discuss and define principles. Scholars will earn middle school credit in Language Arts and Utah History for this class. Seminar is one class period every day (A and B day).

Academy Seminar

Academy Seminar is similar to the regular seminar class listed above. This class is ideal for scholars who have homeschooled in the past and would like to make the transition to our public school with a part-time schedule, but the class is open to all scholars. This class meets on A days (Monday, Wednesday and every other Friday) during 2nd and 3rd period. This class allows your scholar to homeschool on B days and attend Paradigm on A days. Scholars will earn middle school credit in Language Arts and U.S. History.

Mathematics

New Paradigm Scholars will need to take a math placement exam before a math class can be scheduled. Please contact our front office to make an appointment for this exam.

More details of concepts to be explored can be found at www.paradigmmath.weebly.com

Course Name	Semester/Year	Grade
Math Fundamentals	Year	Any
Math Transitions	Year	Any
Pre-Algebra	Year	Any
Prep Algebra	Year	Any

Course Descriptions

Math Fundamentals

This class is for scholars who still need to strengthen the basic foundational skills needed to move into pre-algebra. Focus will be on meeting each scholar where they are in their math ability and teaching math conceptually in order to enhance math understanding. This is our most basic math class available. Reference textbook: Saxon 7/6

Math Transitions

Making the transition from basic math to pre-algebra should be treated with care in order to keep motivation and learning energy high. This class will focus on pre-algebra while still giving attention to foundational math skills that need strengthening for a powerful forward progression. Hands on activities and conceptual understanding will be emphasized. Reference textbook: Saxon 7/6

Pre-Algebra

This class is for scholars with a strong foundation that are ready to dive into pre-algebra at a strong pace and ready to engage in math activities and projects that will bring meaning to what they are studying. Reference textbook: Saxon 8/7

Prep Algebra

This is our highest level math class in the prep school. This class will follow our high school math 1 curriculum, adjusting the pace as necessary to ensure a learning pace customized to the class. It will be covering the first half of Algebra 1 and the first half of Geometry with emphasis on ACT preparation. Personal math projects will be incorporated into the curriculum. Scholars taking this class will be able to take math 1 honors in 9th grade with the possibility of math 2 with mentor referral.

Science

Course Name	Semester/Year	Grade	Class Fee
Integrated Science 7	Year	7th	\$40.00 Year
Integrated Science 8	Year	8th	\$40.00 Year

Course Descriptions

Integrated Science 7

Required for the full-year for all 7th grade scholars.

Scholars will learn about the constant interaction of cause and effect. scholars will explore how forces can cause changes in motion and are responsible for the transfer of energy and the cycling of matter, providing necessary conditions for life on Earth. scholars will also be learning about the organisms and their respective species that have lived, or currently live on Earth. Additionally, the evolutionary histories of life on Earth proves how many species have survived or have gone extinct.

Integrated Science 8

Required for the full-year for all 8th grade scholars.

Scholars will learn about the constant interaction between matter and energy. Scholars will explore how matter is the basic unit blocks that form everything and everyone around us and how energy can be transferred and stored through these unit blocks to interact physically and chemically, provide energy to living organisms, or be harnessed and used by humans. Additionally, matter and energy can cycle and change within ecosystems through processes of photosynthesis and cellular respiration. scholars will also explore how geological and

atmospheric systems can change and affect ecosystems and organisms, positively and negatively.

English & Social Studies Electives

Course Name	Semester/Year	Grade
Creative Writing	Spring Semester	Any
The Great Wars: WWI	Fall Semester	Any
The Great Wars: WWII	Spring Semester	Any
Homesteading Skills	Fall Semester	Any
Middle Ages History	Fall Semester	Any
Victorian Experience	Spring Semester	Any

Course Descriptions

Creative Writing

Develop your imagination and word crafting through short stories, poetry, graphic novels and novel writing.

The Great Wars: WWI

The Great War. The War to End all Wars. World War I. All titles for one of the deadliest wars in our modern history. Join us as we enter the trenches of war-torn France and discover the world that was forever changed. An entire semester dedicated just to WWI! You won't want to miss it! Taking this course is recommended if you want to take WWII in the Spring Semester; however, it is not required.

The Great Wars: WWII

Come join us as we study WWII. We will be looking at why the war started, why countries became involved, how the average citizen in various countries were affected, and what were the repercussions of the war on the world after it ended. WWII is famous for the Atomic Bomb, Naziism, the Holocaust, Big Band music, the bombing of Great Britain, and so much more. You won't want to miss this class!

Homesteading Skills

Learn to live like the pioneers did! In this class you'll learn to grind wheat and bake sourdough bread, sew by hand, grow sprouts to eat, navigate by the sun and stars, cook in a dutch oven, survival skills and so much more!

Middle Ages History

Welcome to a time when Popes and emperors ruled Europe. A world where knights fought for valor and lived a life of supposed chivalry. A world where wars were fought far and wide and

even at home as the bubonic plague spread throughout Europe. Recreate art and architecture of ancient buildings and paintings and learn about customs and stories from a world almost forgotten. From Robin Hood to King Arthur we will separate truth from fiction as we study great kings, saints, and people trying to find joy in the dark world of the Middle Ages.

Victorian Experience

Enter the world of England in the 1800's. A country at war with power hungry emperors, men dueling for their honor, and women fretting about the newest thing in fashion. In this course we will be looking at 100 years of England's history through war, society, fashion, food and novels. Get ready to join Horatio Nelson on the seas as he conquers the French. Walk the grimy streets of London through the eyes of Ebenezer Scrooge. Play a hearty game of cricket like any well rounded upper class gentleman. Learn basic stitches as you embroider your very own handkerchief to offer the next sniveling young lady. Bake Queen Victoria's favorite dessert and enjoy getting to know a country and a people who were the most powerful in the world.

Fine Arts Electives

Course Name	Semester/Year	Grade	Class Fee
Art Explorations	Semester	Any	\$30.00 semester
Computer Arts	Spring Semester	Any	\$30.00 semester
Beginning Band	Year	Any	\$100.00 year
Concert Band*	Year	Any	\$100.00 year
Beginning Strings	Year	Any	\$100.00 year
Intermediate Orchestra*	Year	Any	\$100.00 year
Bel Canto	Year	Any	\$100.00 year
Men's Chorus	Year	Any	\$100.00 year
Basic Music/Piano	Fall Semester	Any	None
Cotillion	Semester	Any	None
Music/Dance/Theater (MDT)	Spring Semester	Any	None

***Audition/Mentor Approval Required**

Course Descriptions

Art Explorations

This class will give scholars an introduction to principles of design, drawing, painting, sculpting and mixed media. Group critiques are a mandatory part of participation.

\$30.00 Class Fee Semester

Computer Arts

Together we'll explore how we can create art in the digital realm. We'll study graphic design, web development, animation, coding, digital illustration, photo and video editing, virtual reality, artificial intelligence, gaming and more. Basic computer proficiency required.

\$30.00 Class Fee Semester

Beginning Band

An opportunity for any scholar to learn to play the flute, clarinet, trombone, trumpet or Euphonium. (scholars can start Saxophone, French Horn, and Percussion after a year in the program playing another instrument.) The class will teach scholars to play an instrument as well as how to read notes. scholars will prepare pieces from a variety of genres to perform at concerts and music festivals. scholars are expected to practice at home and come prepared to have effective rehearsals in class. Beginning band is a year long class.

\$100.00 Class Fee Year

Concert Band

For scholars who have played in band for at least a year on their instrument, can sight read and play all 1 octave scales. Concert band will play a variety of music, including jazz, and prepare to perform it in concerts throughout the year. Concert band will focus on building sight reading, breath control, musicality and specific techniques on instruments. Concert band will participate in festivals throughout the year and have the opportunity to travel. Concert band is a year long class.

\$100.00 Class Fee Year

Beginning Strings

An opportunity for any scholar to learn to play the violin, viola, cello or bass regardless of previous experience! Beginning orchestra will teach scholars to play an instrument from step one, including instrument care and note reading. scholars in beginning orchestra will prepare music from various genres to perform at concerts. They will also have the opportunity to participate in music festivals. scholars are expected to practice at home and come to class prepared to have effective rehearsals. Beginning Orchestra is a year long class.

\$100.00 Class Fee Year

Intermediate Orchestra

For scholars who have played their instrument for at least a year, can read music, and play 1-2 octave scales. Intermediate orchestra will focus on preparing music from a variety of genres for multiple performances. Intermediate Orchestra will help scholars further develop techniques on their instrument, note reading abilities, musicality and leadership. scholars in Intermediate orchestra are expected to practice at home and come to class prepared to have effective rehearsals. scholars in intermediate orchestra will participate in a number of festivals and concerts during the year and will have the opportunity to travel. Intermediate Orchestra is a year long class.

\$100.00 Class Fee Year

Bel Canto

This is a year-long class. Open to all female scholars exhibiting a basic ability to sing as well as a desire to perform at both school and community performances. This class is for all grades 7-12. Emphasis will be placed on two part and three part vocal music. scholars will learn basic note reading with emphasis on rhythm and general historical characteristics of music from all styles and periods of music history. The elements of healthy singing including good posture and good performance technique will be an important part of the curriculum. Attendance is required at a variety of performances and is a large part of end of class evaluation.

\$60.00 Class Fee Year

Men's Chorus

This is a year-long class. Open to all male scholars exhibiting a basic ability to sing as well as a desire to perform at both school and community performances. This class is for all grades 7-12. Emphasis will be placed on two part and three part vocal music. scholars will learn basic note reading with emphasis on rhythm and general historical characteristics of music from all styles and periods of music history. The elements of healthy singing, including good posture and good performance technique will be an important part of the curriculum. Attendance is required at a variety of performances and is a large part of end of class evaluation.

\$60.00 Class Fee Year

Basic Music/Piano

I am very excited about this class!! This class will explore the concepts of music theory and history along with basic piano skills. This class is great for scholars of all musical levels and all piano skill levels. Scholars will learn basic piano skills and theory concepts. We will explore music history and how elements of historical eras were reflected in the music of the time. All scholars will learn to play both solo and duet pieces on the piano. Those with more advanced piano skills will explore more difficult pieces. While this is not "piano lessons", scholars will explore the piano and the semester will culminate with a class recital. No prior experience required.

Cotillion

In this class we will learn how to find our inner spark and become leaders for life. We'll study essential life skills such as leadership, focus, confidence, positivity, courage, creativity and more by having discussions and by practicing basic movement technique. We'll also learn about various etiquette skills that help us interact with others on a more refined level. We'll learn all of this while focusing on implementing healthy mental and physical practices

Music/Dance/Theater

If you have ever wondered what MDT (Music/Dance/Theater) is all about, this is the class for you!! If you already love MDT – this is the class for you!!! If you are somewhere in between – this is the class for you!!! This will be a non-auditioned class in which we will explore the basic elements of MDT. We will watch musicals, have units on stage design, costume design, make-up design, staging, lighting/sound and other technical elements, and will put on a scholar showcase. The semester will end with a scholar showcase in which we will present all of the things we have learned about through musical numbers and scenes largely produced by scholars. This is a great way to explore MDT and join in the fun of theater!

Healthy Lifestyles Electives

<i>Course Name</i>	<i>Semester/Year</i>	<i>Grade</i>
Mind and Body Wellness	Semester	Any
Physical Education	Spring Semester	Any

Course Descriptions

Mind and Body Wellness

Taking care of ourselves is a multi-faceted commitment. This class will explore the intricacies of wellness from a holistic perspective. Our daily and weekly activities will include a 1 mile walk (daily), food labs and opportunities that strengthen mental, emotional and spiritual engagement.

Physical Education

We will cover the basics of teamwork, sports and fitness in a fun environment.

Other Electives

<i>Course Name</i>	<i>Semester/Year</i>	<i>Grade</i>	<i>Class Fee</i>
Robotics	Semester	Any	\$50.00 semester
Intro to American Sign Language	Spring Semester	Any	None
Intro to Chinese Culture	Spring Semester	Any	None

Course Descriptions

Robotics

In the prep school robotics class, scholars will learn to build and program robots that move, sense, and interact with the world. Using LEGO Mindstorms robot kits, we will solve exciting engineering challenges and create their own robotics projects. The final semester project will be a competition using robots the scholars design, build, and program from scratch.

\$50.00 Class Fee Semester

Intro to American Sign Language

An introduction to American Sign Language and Deaf Culture. In this class prep school scholars will learn fingerspelling, basic vocabulary, etiquette, and begin to learn the history of the Deaf Community. A head start on the high school ASL courses that will have them familiar with and confident in starting to communicate in their new language.

Intro to Chinese Culture

Introduction to Chinese culture class is a semester course. Scholars will explore about Chinese culture including Chinese history, music, art, food, festivals and traditions. They will also learn about the basic Chinese language.

Paradigm High School

Graduation Requirements for 9-12 Grades*

Board approved 2/17/21

Language Arts 4.0 Credits <i>Language Arts 9</i> 1.0 <i>Language Arts 10</i> 1.0 <i>Language Arts 11</i> 1.0 <i>Language Arts 12</i> 1.0	Mathematics 3.0 Credits <i>Secondary Math 1</i> 1.0 <i>Secondary Math 2</i> 1.0 <i>Secondary Math 3**</i> 1.0
Science 3.0 Credits <i>Physical Science</i> 1.0 <i>Biological Science</i> 1.0 <i>Science Elective</i> 1.0	Social Studies 3.5 Credits <i>Geography</i> 1.0 <i>World Civilizations</i> 1.0 <i>U.S. History</i> 1.0 <i>U.S. Government</i> 0.5
Healthy Lifestyles 2.0 Credits <i>PST</i> 0.5 <i>ILA</i> 0.5 <i>Fitness for Life</i> 0.5 <i>Health</i> 0.5	
World Languages*** 1.0 Credits	Digital Studies 0.5 Credit
Fine Arts 1.5 Credits	Financial Literacy 0.5 Credit
Career & Tech Ed (CTE) 1.5 Credits <i>11th Grade ACT Prep & College/Careers</i> 0.5 <i>Other CTE</i> 1.0	Leadership/Service**** 0.5 Credit
Electives 3.0 Credits <i>Electives can be fulfilled through any subject</i>	Senior Thesis*****
	TOTAL CREDITS 24.0

*Effective for the 2021-2022 school year; 11th Grade ACT Prep & College/Careers course is optional for the 2021-22 year, official requirement in 2022-23.

**Secondary Math 3 opt-out; alternative math option available, see counselor

***2 years of World Languages is recommended for college bound scholars

****Leadership/service credit should be taken during first year of Paradigm High School

*****Senior Thesis is required for graduation; will be completed in 12th grade seminar

Paradigm High School

9th-12th Grade Course Descriptions

Seminar

Seminar is a MANDATORY class for every scholar.

The Seminar is a unique offering at Paradigm and is the very heart of our liberal arts program. During seminar, scholars devour the works of the greatest people of history (preserved in classics) and then meet to discuss what they have learned. Scholars are guided by their mentors to learn how to ask questions, think, write, discuss and define principles.

Seminar is held in a two-period block and meets every other day on our block schedule.

Course Name	Semester/Year	Grade	Credit(s)
Jefferson Scholar Program*	Year	9th, 10th, 11th or 12th	Credits listed below, depending on the scholar's grade
9th Grade Seminar	Year	9th	1.0 Language Arts 9 1.0 Geography
10th Grade Seminar	Year	10th	1.0 Language Arts 10 1.0 World Civilization
11th Grade Seminar	Year	11th	1.0 Language Arts 11 1.0 U.S. History
12th Grade Seminar	Year	12th	1.0 Language Arts 12 1.0 Government - U.S. & Comparative

***Audition/Interview Required**

Course Descriptions

Jefferson Scholar Program

This class is intended to help scholars find and work on their own education. Scholars will improve their writing, reading, critical thinking, oral presentation, oral discussion skills, problem solving, and research skills. It is expected that scholars will research information about topics and ideas using the Portfolio Guide, be assessed on that information, give presentations, write and polish an excellent paper, participate in class discussions, complete Seminar level (cohort) books on time, defend their personal contract at their final oral exam, and prepare and give a polished 'Ted Talk' (fall) and read their semester paper (spring) to an audience of parents, family members, and friends during an evening performance. It is expected that scholars in this class will be able to address the following essential questions for this class: *What is a scholar? How*

does discovering information create life-long learning? How does learning the skills of a scholar help me in my overall education?

Language Arts 12

Course Name	Semester/Year	Grade	Credit
12th Grade English	Year	12	1.0 Language Arts 12
12th Grade English - SLCC English 1010	Fall Semester	12	.5 Language Arts 12
12th Grade Honors English	Spring Semester	12	.5 Language Arts 12 Honors

SLCC English 1010 / Honors English

This class is geared toward those who want to take SLCC English 1010 and the possibility of taking the AP English exams. Scholars will earn credit for SLCC Eng 1010 during the first semester and credit for Honors English 12 will be given in the spring. Scholars must enroll with Salt Lake Community College in order to qualify for this class.

Language Arts Electives

Course Name	Semester/Year	Grade	Credit
Communications 1010 (SLCC)	Spring Semester	11, 12	0.5 Language Arts Elective
Current Events	Semester	Any	0.5 Language Arts Elective
Novel Writing	Fall Semester	Any	0.5 Language Arts Elective
Poetry	Fall Semester	Any	0.5 Language Arts Elective
School Newspaper*	Year	Any	1.0 Language Arts Elective

***Mentor Approval Required**

Course Descriptions

Communications 1010 (SLCC)

The mission of this Concurrent Enrollment Communications class is to help scholars to understand the basics of Communications and how people interact with one another. This is a college course and is intended for those scholars working toward, or beginning the path toward, their Associates Degree. Scholars need to be prepared to take notes on various communications lectures and lessons, as well as be prepared to study outside of the classroom. You must be in 11th or 12th grade to take this class.

Current Events

Current Events is a class in which scholar and mentor chosen topics will be analyzed and put into personal, social, political, and historical context. This elective will give scholars an opportunity to gather and discuss relevant topics in a guided environment. Gain analytical, writing, and public discourse experience in Current Events!

Novel Writing

The Novel Writing class is intended to help all scholars improve their writing, reading, critical thinking, oral presentation, and oral discussion skills. Scholars will improve their thinking and writing skills and their reading comprehension through the study of various pieces of literature, fiction and nonfiction, journal entries, entire class and small group discussions and through writing their own personal novels. The practice of professional etiquette is expected during class time, including discussions, presentations, speeches, etc. It is expected that scholars in this class will be able to address the following essential questions for this class: *How does writing a novel help me to be a leader in our society? How can writing a novel influence people toward being a productive and moral society or the opposite?*

Poetry

Poetry is the translation of emotion, power, nature, love, or beauty into a literary expression. It is an art form, as well as a way of writing that pays special attention to the sharing of experiences holistically through the use of images and/or rhythm. Poetry class is immersive, and scholars can expect an introduction to great poets through their works and to become familiar with their particular styles and movements. Throughout the semester, we will practice writing in and performing such styles as haiku, sonnet, narrative, and slam poetry (among others) in order to develop our own distinctive styles.

School Newspaper

This course is designed to give scholars a basic understanding of journalism and newspaper writing techniques. Scholars will write, edit and layout issues of the school newspaper each semester in print and online, as well as submit various news articles to local community newspapers. Scholars in this course do all the work for the publication of the paper. Scholars will develop their writing abilities and editing skills by creating several articles for the school paper. Scholars will also develop skills in photography and comic drawing. The course will also require some after-school deadlines as well as some out-of-school time for news coverage. Come help us create a Paradigm legacy that we hope will last for years! *Approval is required for this class. Please email a writing sample to abowe@paradigmschools.org.

Mathematics

New Paradigm Scholars will need to take a math placement exam before a math class can be scheduled. Please contact our front office to make an appointment for this exam.

More details of concepts to be explored can be found at www.paradigmmath.weebly.com

<i>Course Name</i>	<i>Semester/Year</i>	<i>Grade</i>	<i>Prerequisite</i>	<i>Credit</i>
Math for Life	Year	Any	None	1.0 Math Elective
Math 1*	Year	Any	Placement	1.0 Mathematics
Math 1 Honors*	Year	Any	Placement	1.0 Mathematics
Math 2*	Year	Any	Math I or Placement	1.0 Mathematics
Math 2 Honors*	Year	Any	Math I Honors or Placement	1.0 Mathematics
Math 3*	Year	Any	Math II or Placement	1.0 Mathematics
Math 3 Honors /Precalculus*	Year	Any	Math II Honors or Placement	1.0 Mathematics
Calculus AB*	Year	Any	Math III Honors or Placement	1.0 Mathematics
Math and the Universe*	Semester	Any	Math II	1.0 Elective
Math Senior Elective	Year	11th, 12th	None	1.0 Math Elective (4th year Math)

***Mentor Approval/Prerequisite Required**

Course Descriptions

Math for Life

This is a goal oriented class with ongoing coaching and independent work level. This class gives an elective credit, but not high school math credit towards graduation. Scholars would need a mandatory 4 years of math to complete their graduation requirements. This is a much better alternative than floundering through multiple math classes because of missing foundational skills.

Math I

Math I is a combination of the first half of what was formerly called Beginning Algebra (Algebra 1) and the first half of Geometry. Scholars in Math I will deepen and extend their understanding of linear relationships, in part by contrasting them with exponential phenomenon, and in part by applying linear models to data that exhibit a linear trend. Scholars will use properties and theorems involving congruent figures to deepen and extend understanding of geometric knowledge. Algebraic and geometric ideas are tied together. Scholars will experience

mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations.

Math I Honors

Math I honors will follow the basic outline of the math 1 class as found on our website at paradigmmath.weebly.com. It will move at an accelerated pace and dive deeper into the concepts explored. This class will encourage engaging hands on projects and scholars will enjoy working together with other scholars ready for a fun and challenging math experience!

Math II

Math II is for scholars who have already taken at least $\frac{1}{2}$ of a year of Algebra 1, and have not yet taken Geometry. Scholars in Math II will review quadratic expressions, equations, and functions, extend the set of rational numbers to the set of complex numbers, and link probability and data through conditional probability and counting methods. Scholars will use properties and theorems involving congruent figures to deepen and extend understanding of geometric knowledge, study similarity and right triangle trigonometry, and study circles with their quadratic algebraic representations.

Math II Honors

Math II honors will follow the basic outline of the math II curriculum as found on our website at paradigmmath.weebly.com. It will move at an accelerated pace and dive deeper into the concepts explored. This is a great track for scholars who would like to move on to take math III honors and calculus in the subsequent years. It is a great opportunity for scholars to be part of a class where the energy for learning math is high with a mentor who is ready to bring excitement and relevance to the study of mathematics.

Math III

Scholars in Math III will pull together and apply the accumulation of learning they have from previous courses. They will expand their understanding of quadratic expressions, equations, and functions, and extend the set of rational numbers to the set of complex numbers. Scholars will apply methods from probability and statistics to draw inferences and conclusions from data, expand their repertoire of functions to include polynomial, rational, exponential, and radical functions, expand their study of trigonometry to include general triangles, and use functions and geometry to create models and solve contextual problems.

Math III Honors/Precalculus

This course will follow the guidelines of the math 3 course that will be available online at paradigmmath.weebly.com. We will be moving at an accelerated pace and diving deeper into concepts in order to prepare those scholars desiring calculus the following year. In addition to secular math we will also enjoy exploring symbolic mathematics. One book of reference that will be used is titled, "A Beginner's Guide to Constructing the Universe, The Mathematical Archetypes of Nature, Art, and Science." This class is ideal for scholars who desire to engage powerfully in the exciting possibilities of mathematics.

Calculus AB

Calculus is the study of change. It was developed as a method for studying the universe and is one of the most powerful tool in science's mathematical arsenal. In calculus we will learn how to tame infinity. We will provide means so that you can divide by zero. We will learn what limits, derivatives and integrals are, how to compute them, and most importantly, why they are useful and relevant.

Math Senior Elective

Math senior elective is geared toward 12th grade scholars as an alternative to Math III who do not plan on attending college. Course will focus on math skills needed to navigate everyday life such as financial applications, budgeting, and other real-world applications.

Science

Course Name	Semester/Year	Grade	Credit
Earth and Space Science	Year	Any	1.0 Science
Biology	Year	Any	1.0 Science
Chemistry	Year	11th, 12th	1.0 Science
Physics	Year	11th, 12th	1.0 Science
Environmental Science	Year	Any	.5 Science

Course Descriptions

Earth and Space Science

Are you curious about space? Our Solar System? This diverse changing Earth we live on? Utah's fascinating geology? This mentor is curious also and LOVES learning about Earth and Space Science. Scholar-scientists learn and discover through hands-on labs, teamwork, outdoor experiences, reading, research, and exploring real-world problems. This full year course offers one core science credit.

Biology

Biology is the study of Life. We will focus on how ecosystems are shaped by interactions among living organisms and their physical environment. Ecosystems change constantly, either staying in a state of dynamic balance or shifting to a new state of balance. Matter cycles in ecosystems, and energy flows from outside sources through the system. Humans are part of ecosystems and can deliberately or inadvertently alter an ecosystem.

Chemistry

A pencil leaves a trail behind it; and a diamond can cut steel; but they are both made of the same exact material. Why? Come learn this and other fascinating facts about the world. A class for mostly Juniors or seniors, Chemistry is going to be brain intense, hard work, and a lot of fun.

Physics

Physics is the study of matter, it's properties and how it interacts with the universe. In this class we will study motion, energy, waves, atoms, and relativity among other topics. Our explorations will take us from the scale of things smaller than atomic nuclei to the large scale structure of the

entire universe. We will use mathematics as a tool to understand the current and past models of the universe.

Environmental Science

Environmental Science is a branch of biology focused on the study of the relationship of the natural world and the relationships between organisms and their environments. An example is the study of the natural world and how it relates to recycling and mulching. We will be engaged in authentic learning, using a great deal of inquiry, collaboration, and group discussion. We will also focus heavily on human impact on the Earth, and small things that scholars can do to help make a difference in improving our planet.

World Languages

Course Name	Semester/Year	Grade	Prerequisite	Credit
Spanish 1	Year	Any	None	1.0 World Language
Spanish 2*	Year	Any	Successful completion of high school Spanish 1 or mentor approval	1.0 World Language
American Sign Language (ASL)	Year	Any	None	1.0 World Language
Chinese 1	Year	Any	None	1.0 World Language

***Mentor Approval Required**

Course Descriptions

Spanish 1

Spanish I is a full-year course designed for scholars with little to no experience with the Spanish Language. In this course we explore the basic Spanish concepts like greetings, counting, dates, telling time, foods, and basic verb conjugations. We learn to form simple sentences, describe people and things, have a simple conversation and exchange basic information about likes/dislikes, hobbies and families. The focus is on being able to perform simple day-to-day tasks in Spanish. We also study the culture and history of the language and countries where Spanish is spoken. Their class will culminate with scholars writing a simple children's story to share with their classmates.

Spanish 2

In Spanish 2 we spend more time with verb conjugations and more complex sentence structure. We learn how to talk about events in the past, how to form and use commands, the differences between the verbs *ser* and *estar*, and how to read and write a simple story. More emphasis is placed on listening skills and conversational ability. We also exchange pen pal letters and read

and listen to stories and songs in Spanish. The focus is on being able to have a brief conversation in Spanish and on being able to exchange information about events past and present in Spanish. This class will culminate with scholars either writing a story or creating a game which teaches a Spanish concept. All scholars who enroll in this class must have successfully completed a High School level Spanish 1 course or obtain teacher approval before being admitted.

American Sign Language (ASL)

Coming soon!

Chinese 1 (Mandarin)

Coming soon!

Fine Arts

<i>Course Name</i>	<i>Semester/Year</i>	<i>Grade</i>	<i>Credit</i>	<i>Class Fee</i>
Animation	Spring Semester	Any	.5 Fine Arts	<i>\$30.00 semester</i>
Art & Activism	Spring Semester	Any	.5 Fine Arts	<i>\$30.00 semester</i>
Art Explorations	Fall Semester	Any	.5 Fine Arts	<i>\$30.00 semester</i>
Art History Workshop	Fall Semester	Any	.5 Fine Arts	<i>\$30.00 semester</i>
The Art of Pop Culture	Fall Semester	Any	.5 Fine Arts	<i>\$30.00 semester</i>
Advanced Art	Spring Semester	Any	.5 Fine Arts	<i>\$30.00 semester</i>
Ceramics	Fall Semester	Any	.5 Fine Arts	<i>\$30.00 semester</i>
Comics & Illustration	Fall Semester	Any	.5 Fine Arts	<i>\$30.00 semester</i>
Dance Company	Year	Any	1.0 Fine Arts	<i>\$60.00 year</i>
Intro to Dance	Fall Semester	Any	.5 Fine Arts	<i>\$15.00 semester</i>
Bel Canto	Year	Any	1.0 Fine Arts	<i>\$60.00 year</i>
Men's Chorus	Year	Any	1.0 Fine Arts	<i>\$60.00 year</i>
A Capella*	Year	Any	1.0 Fine Arts	<i>\$60.00 year</i>
Madrigals*	Year	Any	1.0 Fine Arts	<i>\$60.00 year</i>
Beginning Strings	Year	Any	1.0 Fine Arts	<i>\$100.00 year</i>
Intermediate Orchestra*	Year	Any	1.0 Fine Arts	<i>\$100.00 year</i>
Chamber Orchestra*	Year	Any	1.0 Fine Arts	<i>\$100.00 year</i>

Advanced Orchestra*	Year	Any	1.0 Fine Arts	\$100.00 year
Beginning Band	Year	Any	1.0 Fine Arts	\$100.00 year
Concert Band*	Year	Any	1.0 Fine Arts	\$100.00 year
Jazz Band*	Year	Any	1.0 Fine Arts	\$100.00 year
Musical Theatre*	Fall Semester	Any	.5 Fine Arts	\$75.00 semester
Intro to MDT	Spring Semester	Any	.5 Fine Arts	None
Beginning Piano	Spring Semester	Any	.5 Fine Arts	None
Shakespeare	Spring Semester	Any	.5 Fine Arts	\$50.00 semester

***Audition/Interview Required**

Course Descriptions

Animation

This animation workshop will provide scholars with introductory instruction in different types of animation. We'll explore hand drawn animation, 2D and 3D computer animation, stop motion and claymation, and more. We'll discuss how to analyze award winning animated movies, and learn about producing short films. Basic computer proficiency required.

\$30.00 Class Fee Semester

Art & Activism

How can we use artwork to encourage a free society and a better world? Scholars will consider which positive social causes they may wish to support in their body of artwork. We will explore charity work, and research artists who have stood up for notable efforts of change in the past, such as the Civil Rights Movement, feminism, world wide peace efforts and much more. We will also complete service projects for local nonprofits.

\$30.00 Class Fee Semester

Art Explorations

This class will give scholars an introduction to principles of design, drawing, painting, sculpting, mixed media and more: all types of artwork will be explored. We'll study color theory, composition, and various techniques in mediums ranging from watercolor to acrylics and charcoal to pen and ink.

\$30.00 Class Fee Semester

Art History Workshop

This is an exploratory course where we'll look at the history of art movement by movement, and learn how to apply the innovations of great artists to our own work. We'll look everywhere from the Renaissance greats to today's most influential artists as we create our own art in tandem with our study.

\$30.00 Class Fee Semester

The Art of Pop Culture

Which movements and trends in artwork define popular culture? In this class, we will study the most notable influences and history of the 21st century, decade by decade, from the 1920s to the 2020s. We'll explore analysis of pop art, modern art, and contemporary design, as well as learn how to conduct critical analysis of trends in fashion, film, design and more.

\$30.00 Class Fee Semester

Advanced Art

Scholars will be pushed to the next level by encouraging them to create their own goals for their creativity in this intensive self directed course. Scholars will be required to enter their work into at least one art show during the semester. We will explore all art mediums and hold a higher level of performance and effort in critiquing work. Scholars must have passed one prior art class with high marks or receive mentor permission to join.

\$30.00 Class Fee Semester

Ceramics

In this class, we will explore the exciting world of ceramics together. We will use tools such as our pottery wheel, kiln, slab roller and more to create unique works of art such as vases, dishware, sculptures, tiles and other projects. Art history and elements of design presented as well.

\$30.00 Class Fee Semester

Comics & Illustration

How does artwork enhance literature? From Stan Lee to Maurice Sendack, we'll study the greatest comic and picture book illustrators of all time. Also, we'll discuss the fundamentals of drawing, narrative, experimental art forms and creative storytelling. Scholars will be asked to write and illustrate their own original book for this class.

\$30.00 Class Fee Semester

Dance Company

In this class we'll work on various genres of dance technique, study and apply compositional elements of choreography, experiment with dance for film, and focus on the art of performance- all while implementing healthy mental and physical practices. This course is a year-long commitment, audition only.

\$60.00 Class Fee Year

Social Dance

Want to be confident on the dance floor and learn to lead or follow? Want to have more fun at dances? This class will teach dancing skills in waltz, merengue, hustle, swing, foxtrot, polka, cha cha, rumba, tango, and salsa/mambo. We will also learn skills to improve your posture, feel the beat, appreciate various styles of dance music from different time periods.

\$30.00 Class Fee Semester

Bel Canto

This is a year-long class. Open to all scholars exhibiting a basic ability to sing as well as a desire to perform at both school and community performances. Emphasis will be placed on two part and three-part vocal music. scholars will learn basic note reading with emphasis on rhythm and general historical characteristics of music from all styles and periods of music history. The elements of healthy singing including good posture and good performance technique will be an important part of the curriculum. Attendance is required at a variety of performances and is a large part of end of class evaluation.

\$60.00 Class Fee Year

Men's Chorus

This is a year-long class. Open to all male scholars exhibiting a basic ability to sing as well as a desire to perform at both school and community performances. Emphasis will be placed on two part and three-part vocal music. scholars will learn basic note reading with emphasis on rhythm and general historical characteristics of music from all styles and periods of music history. The elements of healthy singing, including good posture and good performance technique will be an important part of the curriculum. Attendance is required at a variety of performances and is a large part of end of class evaluation.

\$60.00 Class Fee Year

A Capella

This is a year-long class. scholars must have a high level of note reading ability to enter this choir. This choir will perform moderate to difficult music from various periods of music history. A Capella will be composed of scholars who have prior experience singing in choirs and the desire to increase their musical abilities. They will be exposed to more difficult music and music including sight singing, music theory and music history. Attendance is required at a variety of performances. A uniform will be necessary.

\$60.00 Class Fee Year

Madrigals

This is a year-long class. A mature advanced choral class for SATB voices. Madrigal Singers must have note reading ability and pass an audition and basic music skills. The test will include some theory and basic sight reading. This group will perform madrigal music from the 15th and 16th centuries as significant choral literature from all periods. An extremely high level of citizenship, vocal ability, and attendance is expected. A uniform will be necessary.

\$60.00 Class Fee Year

Beginning Strings

An opportunity for any scholar to learn to play the violin, viola, cello or bass regardless previous experience! Beginning orchestra will teach scholars to play an instrument from step one, including instrument care and note reading. scholars in beginning orchestra will prepare music from various genres to perform at concerts. They will also have the opportunity to participate in music festivals. scholars are expected to practice at home and come to class prepared to have effective rehearsals. Beginning Orchestra is a year-long class.

\$100.00 Class Fee Year

Intermediate Orchestra

For scholars who have played their instrument for at least a year, can read music, and play 1-2 octave scales. Intermediate orchestra will focus on preparing music from a variety of genres for multiple performances. Intermediate Orchestra will help scholars further develop techniques on their instrument, note reading abilities, musicality and leadership. scholars in Intermediate orchestra are expected to practice at home and come to class prepared to have effective rehearsals. Scholars in intermediate orchestra will participate in a number of festivals and concerts during the year and will have the opportunity to travel. Intermediate Orchestra is a year-long class.

\$100.00 Class Fee Year

Chamber Orchestra

For scholars who can play 3 octave scales in tune, play in up to 8th position, and play solo music in Suzuki book 4 and above(or equivalent). Chamber orchestra will play technically

difficult music from a variety of genres. Chamber orchestra will help build technique, strengthen sight reading abilities, develop musicality, and promote creativity and leadership. scholars in chamber orchestra will have to opportunity to play in small chamber ensembles as well as the orchestra. Chamber will perform multiple times throughout the year and have opportunities to travel, including a multiple night tour. scholars will also have the opportunity to play in local music festivals and events. We will also be playing in the pit orchestra for the school musical in May! scholars will be expected to be prepared for class and have effective rehearsals. Chamber Orchestra is a year-long class.

\$100.00 Class Fee Year

Advanced Orchestra

For scholars who can play 2 octave scales in tune, play in up to 8th position, and play solo music in Suzuki book 2/3 and above (or equivalent). Advanced orchestra will play music from a variety of genres. Advanced Orchestra will help build technique, strengthen sight reading abilities, develop musicality, and promote creativity and leadership. Chamber will perform multiple times throughout the year and have opportunities to travel. scholars will also have the opportunity to play in local music festivals and events. We will also be playing in the pit orchestra for the school musical in May! scholars will be expected to be prepared for class and have effective rehearsals. Advanced Orchestra is a year-long class.

\$100.00 Class Fee Year

Beginning Band

An opportunity for any scholar to learn to play the flute, clarinet, trombone, trumpet or Euphonium. (scholars can start Saxophone, French Horn, and Percussion after a year in the program playing another instrument.) The class will teach scholars to play an instrument as well as how to read notes. scholars will prepare pieces from a variety of genres to perform at concerts and music festivals. scholars are expected to practice at home and come prepared to have effective rehearsals in class. Beginning band is a year-long class.

\$100.00 Class Fee Year

Concert Band

For scholars who have played in band for at least a year on their instrument, can sight read and play all 1 octave scales. Concert band will play a variety of music, including jazz, and prepare to perform it in concerts throughout the year. Concert band will focus on building sight reading, breath control, musicality and specific techniques on instruments. Concert band will participate in festivals throughout the year and have the opportunity to travel. Scholars in Concert Band will also have the opportunity to be part of the Paradigm Marching Band. Concert band is a year-long class.

\$100.00 Class Fee Year

Jazz Band

Jazz Band is offered for scholars who have already completed a minimum of two years of band and have passed the audition to get into the group. Jazz Band meets at Zero hour, which is 6:40on Tuesdays and Thursdays, and 7:00 every other Friday. We will be studying Jazz techniques as well as improvisation. Get ready to perform in all the concerts as well as a few service and community opportunities. We are in need of saxophones, trumpets, trombones, percussion and pianists. Email sarnesen@paradigmschools.org to schedule an audition.

\$100.00 Class Fee Year

Musical Theatre

This class is by audition only. Please contact Ms. Shattuck if you have questions. In this class, we will be preparing to put on a full musical production, and we will be performing with a pit

orchestra! This is a great opportunity that students may not have again. The class will focus on rehearsing for the production as well as good vocal technique, acting skills, learning choreography and basic theater etiquette, etc. Students enrolled in the class will need to commit to a rather rigorous schedule of rehearsals which will include after school rehearsals, one all day Saturday rehearsal, and rehearsals which will go until approx.. 8:00pm during the final 2 weeks before the performance. It's hard work – but the payoff is amazing!! The class will include discussions of what makes good theater, why arts are important, being part of a team, personal responsibility and dedication. It is a wonderful opportunity for students to see what hard work and dedication (as well as talent!) can accomplish. Ask any member of this past year's cast or crew – Musical Theater is Awesome!!

\$75.00 Class Fee Semester

Intro to MDT (Music/Dance/Theater)

If you have ever wondered what MDT (Music/Dance/Theater) is all about, this is the class for you!! If you already love MDT – this is the class for you!!! If you are somewhere in between – this is the class for you!!! This will be a non-auditioned class in which we will explore the basic elements of MDT. We will watch musicals, have units on stage design, costume design, make-up design, staging, lighting/sound and other technical elements, and will put on a scholar showcase. Those with lots of experience can try their hand at writing, directing, choreographing and staging a scene. Those with less experience will have the opportunity to participate in both musical numbers and dialogue scenes and learn about the elements of successful theater. The semester will end with a scholar showcase in which we will present all of the things we have learned about through musical numbers and scenes largely produced by scholars. This is a great way to explore MDT and join in the fun of theater!

Beginning Piano

This class will explore the concepts of music theory and history along with basic piano skills. This class is great for scholars of all musical levels and all piano skill levels. Scholars will learn basic piano skills and theory concepts. We will explore music history and how elements of historical eras were reflected in the music of the time. All scholars will learn to play both solo and duet pieces on the piano. Those with more advanced piano skills will explore more difficult pieces. While this is not "piano lessons", scholars will explore the piano and the semester will culminate with a class recital. No prior experience required.

Shakespeare

A well known master of intrigue, murder, jealousy, star-crossed lovers, and comedy, William Shakespeare's works have gone down in history as classics for good reason! In this class scholars will get to know the colorful world of Elizabethan England as we learn about the bard, the Globe Theatre, and some of his most famous plays. Since Shakespeare's works were meant to be seen on the stage and performed, we will be experiencing Shakespeare's works on the page, in film, *and* on stage to experience the advantages and disadvantages that each media brings to the work. For the final project each scholar will select a monologue or scene from one of Shakespeare's works to practice and then perform in our end of semester festival event to try their hand at bringing the classics to life themselves and join in a performance tradition that is over four centuries old.

\$50.00 Class Fee Semester

Digital Studies

<i>Course Name</i>	<i>Semester/Year</i>	<i>Grade</i>	<i>Credit</i>	<i>Class Fee</i>
Digital Studies	Semester	Any	.5 Digital Studies	None

Course Descriptions

Digital Studies

An introductory class that covers foundational computer skills.

Financial Literacy

<i>Course Name</i>	<i>Semester/Year</i>	<i>Grade</i>	<i>Credit</i>
Financial Literacy	Semester	11th, 12th	.5 Financial Literacy

Course Descriptions

Financial Literacy

Scholars will gain the information and skills to implement a life-long plan for financial success. They will do this through the implementation of state standards covering numerous facets of financial life including; budgets, economies, purchases, debt, etc. This course is designed to effectively prepare students for the challenges of daily life, post education. It focuses on practical skills and situations that will be faced in the future.

Career and Technical Education (CTE)

<i>Course Name</i>	<i>Semester/Year</i>	<i>Grade</i>	<i>Credit</i>	<i>Class Fee</i>
11th Grade College & Careers/ACT Prep	Semester	11th	.5 CTE	None
Business & Marketing Essentials	Spring Semester	Any	.5 CTE	None
Computer Programming 1	Fall Semester	Any	.5 CTE	None
Computer Programming 2	Spring Semester	Any	.5 CTE	None
Content Creation & Media	Year	Any	1.0 CTE	None

Engineering				
Engineering Principles 1	Fall Semester	Any	.5 CTE	<i>None</i>
Engineering Principles 2	Spring Semester	Any	.5 CTE	<i>None</i>
Intro to Digital Graphic Arts	Fall Semester	Any	.5 CTE	<i>\$30.00 semester</i>
Photography 1	Semester	Any	.5 CTE	<i>\$30.00 semester</i>
Robotics 1	Fall Semester	Any	.5 CTE	<i>\$30.00 semester</i>
Robotics 2	Spring Semester	Any	.5 CTE	<i>\$35.00 semester</i>
Web Development 1	Fall Semester	Any	.5 CTE	<i>None</i>
Web Development 2	Spring Semester	Any	.5 CTE	<i>None</i>
Yearbook	Year	Any	1.0 CTE	<i>\$35.00 year</i>

***Audition/Interview Required**

Course Descriptions

11th Grade College & Careers/ACT Prep

This course is designed for 11th graders and will prepare them for college and career readiness. One half of the semester will be spent exploring different careers and colleges, resume writing, applying for scholarships and more. The other half of the semester will focus on ACT prep. All 11th graders will take the ACT in the Spring.

Business & Marketing Essentials

The objective of this course is to teach scholars how to be successful entrepreneurs and marketing professionals. They will achieve this through the implementation of state standards including: business law, leadership, intellectual property, advertising, etc. This course will guide scholars on pathways of success for those who are business-minded and have a passion for entrepreneurship.

Computer Programming 1

An introductory course in program engineering and applications. The course introduces students to the fundamentals of computer programming. Students will learn to design, code, and test their own programs while applying mathematical concepts. Teachers introduce basic coding concepts and problem-solving skills.

Computer Programming 2

This course introduces students to more complex data structures and their uses including sequential files, arrays and classes. Students will learn to create more powerful programs within a specific programming language.

Content Creation & Media Engineering

Editing, recording and engineering both sound and film are skills that have been increasing demand in the workforce. This class is designed to help scholars learn the skills required for content creation and stage production. Scholars will be encouraged to work on their own projects while also assisting in school productions such as concerts, the podcast and other projects to develop these skills throughout the year. From tech crew to the correct use of film equipment and editing software, the class will endeavor to address the desires of the individual while satisfying the needs of the school as a whole.

Engineering Principles 1

In this hands-on class, scholars will explore various engineering disciplines, specifically Civil Engineering, Computer Engineering, and Bioengineering. Implementing the engineering design process will help scholars learn and solidify math and science skills. These skills, combined with a problem-solving attitude will help scholars discover ways to enhance the health and well-being of individuals through projects of their own design.

Engineering Principles 2

In this hands-on class, scholars will explore various engineering disciplines, specifically Electrical Engineering, Chemical Engineering, Materials Science, and Mechanical Engineering. Implementing the engineering design process will help scholars learn and solidify math and science skills. These skills, combined with a problem-solving attitude will help scholars discover ways to enhance the health and well-being of individuals through projects of their own design.

Intro to Digital Graphic Arts

Together we'll explore how we can create art in the digital realm. We'll study graphic design, web development, animation, coding, digital illustration, photo and video editing, virtual reality, artificial intelligence, gaming and more. Basic computer proficiency required.

Photography 1

Scholars in Photography will develop and expand their skills in producing both artistic and commercial photographs using digital DSLR cameras and equipment. Photography meets the credit requirements for Career and Technical Education (CTE), Fine Art, and elective graduation requirements. scholars learn to take artistic digital photos following rules of composition, light, exposure, elements of art and principles of design which also enhances their ability to produce quality commercial work. Adapting and updating a scholar's skill set to the ever changing software and hardware technology is a constant goal of all the photography courses. We highly recommend having your own camera but it's not required.

\$30.00 Class Fee Semester

Robotics 1

Robotics is a lab-based, hands-on class that combines electrical, mechanical, and engineering principles. In this class scholars will seek to understand the basic mechanical and electrical components used in robots and mechatronic devices by actually designing, building, and programming these devices.

Robotics 2

Robotics is a lab-based, hands-on class that combines electrical, mechanical, and engineering principles. In this class scholars will learn to design, build, program, and control robotic devices. Scholars will build engineering skills through problem solving as they create a

robotic/mechatronic project of their own design. This class will build off the foundational principles learned in Robotics 1.

Web Development 1

Web Development 1 is a course designed to guide students in a project-based environment in the development of up-to-date concepts and skills that are used in the development of today's websites. Students will learn the fundamentals of how the Internet works. They will learn and use the basic building blocks of the World Wide Web: HTML5 coding and Cascading Style Sheets (CSS).

Web Development 2

Students follow the steps to create a website by planning, designing, developing, deploying, and maintaining the website projects. Students will learn and use different scripting technologies to create more dynamic and interactive websites. They will learn what it takes for a career in web development as they complete projects and create their own website(s).

Yearbook

Scholars will create the school yearbook for 2019-20. Writing, photography, editing, interviewing, organization will all be incorporated into the class. Scholars must meet deadlines. Mentor approval is required.

\$35.00 Class Fee Year

Healthy Lifestyles

Course Name	Semester/Year	Grade	Credit
Basketball	Semester	Any	.5 ILA
Health	Semester	Any	.5 Health
Mindful Movement	Semester	Any	.5 ILA
Physical Fitness	Semester	Any	.5 Fitness for Life
Team Sports	Semester	Any	.5 PST
Yoga	Semester	Any	.5 ILA

Course Descriptions

Basketball - Coach Chapman

The basketball class will break down each aspect of the game. We will study the history of the game, team philosophy and strategy, players, current basketball news and games. Of course we will hoop it up!

Health - Mrs. Cavallaro

Health explores the journey to living a maximum potential life. We examine the relationship between our bodies, our minds and our culture to better understand how we can build the life of our dreams. Drug awareness, sexual education, social/spiritual connections and foods and nutrition lay the foundation for this semester long class.

Mindful Movement - Mrs. Cavallaro

This semester long elective will be an exploration of ancient and modern day movement practices from around the world. We will explore their histories, applications and their cultural significance. Some examples of movement we will be engaging in and studying are Tai Chi, Yoga, Pilates, Park Corp, Qigong, Kung Fo, Just Dance, 5 Rhythms Movement and more. Each class will have at least 45 minutes of movement.

Physical Fitness - Mr. Chapman

Come get fit! Scholars will see progress in their strength, tone and cardiovascular endurance using their own body weight, dumbbells, kettlebells, and medicine balls. We will be learning and applying different techniques to creating a lifelong, healthy lifestyle. Remember, with the mind and body working as one we can achieve amazing results!

Team Sports - Mr. Chapman

We will be learning about and playing various team sports including (but not limited to) basketball, volleyball, football, soccer, kickball, ultimate frisbee and dodgeball. Competing on teams will create a unified mission for individual and group success and increased confidence.

Yoga - Mrs. Cavallaro

Yoga is an ancient practice that integrates the art and science of the body. SOLA is an acronym that captures the essence of our modern day Yoga practice. It stands for S-self-awareness, O-observation, L-love and A-acceptance. The SOLA tenets are woven into the physical practice through deep breathing, playful poses, intense stretching and strengthening poses. No experience is necessary. scholars can expect to practice for 60 minutes for each class period.

Leadership/Service

Course Name	Semester/Year	Grade	Credit
How to Paradigm	Semester	9th (or new scholar)	.5 Leadership/Service

How to Paradigm

Paradigm has a unique philosophy and culture. This course will introduce scholars to the foundational texts, ideas, and traditions of Paradigm. Scholars will gain a basic understanding of discussion methods, commonplace writing, and analyzing texts. This course is essential to understanding how education at Paradigm works and will set scholars up for success for their Paradigm studies. This is a required course for all 9th graders or new 10th, 11th or 12th graders.

Electives

<i>Course Name</i>	<i>Semester/Year</i>	<i>Grade</i>	<i>Credit</i>
Great Conversations	Spring Semester	Any	.5 Elective
Math and the Universe	Semester	Any	.5 Elective
SBO	Year	Any	1.0 Elective

Great Conversations

'Great Conversations' is a dual field course connecting science to the humanities. Scholars should expect equal instruction in both. Scholars of Paradigm unite! In this class scholars will become acquainted with the story of the Cold War through the competing philosophies of the U.S.A. and U.S.S.R, their political context, and extensive scientific narrative. We will explore nuclear physics, strategy, economics, and space travel on our quest to retrieve the means of production. The other half of the class: Space, the final frontier. Embark on a journey across the stars in sci-fi class. Reading through the pioneers of the genre, scholars will learn principles of science as they arise and come to understand their real-world application (or potential implications).

Math and the Universe

Math and the universe is a science class where we talk about the specifics of how math, numerology, patterns, chemistry, biology and other sciences are all connected! We will go from one subject to the next and connect them in ways you have never thought about. This is a class where your mind is blown every day! A passing grade in Math 2 is a prerequisite in order to take this class.