

# **TROTWOOD-MADISON MIDDLE SCHOOL**

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## **MIDDLE SCHOOL COURSE DESCRIPTION GUIDE 2023-2024**

# TROTWOOD-MADISON MIDDLE SCHOOL



## **VISION**

100% Student Success!

## **MISSION**

The mission of the Trotwood-Madison City Schools is to graduate all students prepared to excel in a global society with a commitment to lifelong learning by guaranteeing a challenging curriculum facilitated by an innovative and dedicated staff, community participation and state-of-the-art resources in a stimulating atmosphere

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# TROTWOOD MADISON MIDDLE SCHOOL

## GENERAL ACADEMIC INFORMATION

There are many factors to consider in selecting courses that will meet individual needs for next year. Remember to select courses to fit overall planning which projects beyond the middle and high school years. Interest and ability should determine choices. It is important to know that this course description guide includes all courses that are offered at Trotwood-Madison Middle School. Please note that due to low enrollment and teacher availability, some classes may not be offered. Because of scheduling conflicts and classes closing, a student may not be able to register for every course he/she plans to take during a semester. For this reason, the student should have in mind alternate courses in case the first choice is not available.

### **SCHEDULING UNDER THE SIX-PERIOD DAY**

Trotwood- Madison Middle School is organized on a six-period day schedule with students rotating classes every day. The six-period day includes one 30-minute lunch.

### **COURSE REGISTRATION**

Registration will take place in the spring of each school year. Although students will receive specific instructions during that time from middle school personnel, the responsibility for appropriate course choices rest with students and parents. The counseling staff is available to assist in making decisions related to course selections. One of the most critical functions performed by a school is the registration of students. Based upon registration information, courses are scheduled and teachers are employed for the next year; therefore, it is important that course selections be given serious consideration. After mid-May of each year, changes will be made only to correct scheduling errors or to equalize class enrollments.

### **ENROLLMENT**

A student enrolling in the district must be accompanied by their parent or legal guardian & must provide a birth certificate, immunization record, transcripts for grades 10-12, final report card for enrolling 6th grade students, IEP/ETR for special education students & proof of residency. The application for enrollment can be found on the Trotwood-Madison City Schools website under the parents & student toolbar, [Enroll in Trotwood-Madison](#) link.

### **ADVANCED COURSES**

TMMS students interested in advanced academic opportunities may enroll in Advanced and College Credit Plus (CCP) courses. The goal of advanced credit courses is to challenge and stimulate students to the highest level of their abilities. Students and parents should be aware of the demanding nature of advanced credit courses.

### **REQUIRED COURSES**

These courses are required to fulfill state educational guidelines. A course may or may not have a prerequisite; a prerequisite is a course that must be taken prior to the course under consideration.

## **ELECTIVE COURSES**

In addition to required state courses, students must choose other courses to complete their schedules. The number of electives varies from year to year. Elective courses or credits may be selected from additional core academic courses or from courses in the other departments.

## **SCHEDULE CHANGES**

Following course registration in the spring semester, any student-initiated schedule change for the upcoming school year must be completed by the last day of the current school year. The campus designee must approve other schedule changes within the first 5 days of school and only in the case of improper academic placement in a course.

## **SCHEDULE CHANGE GUIDELINES**

Only schedules that meet the following criteria will be considered for changes:

- A change is needed to balance a class size.
- Students are scheduled in a course for which they already have credit.
- Student is enrolled in a course for which the student does not have the prerequisite.
- Students have an incomplete schedule.
- Students are enrolled/not enrolled in an application/audition course for which they have been approved.
- Student has failed a course and needs to repeat the course.
- Change is needed as a result of a credit earned in summer school.

## **STATE ASSESSMENT**

State achievement tests tell us how well our students are growing in the knowledge and skills outlined in Ohio's Learning Standards. These tests help guide and strengthen future teaching so we can be sure that we are preparing our students for long-term success in school, college, careers and life. Test results also allow citizens to know how their local schools are performing compared to others around the state. TMMS students will take the following state tests in 6th-8th grade:

	<b>English Language Arts</b>	<b>Mathematics</b>	<b>Science</b>
<b>Grade 6</b>	<b>X</b>	<b>X</b>	
<b>Grade 7</b>	<b>X</b>	<b>X</b>	
<b>Grade 8</b>	<b>X</b>	<b>X</b>	<b>X</b>

More information about state testing requirements can be found by visiting the Ohio Department of Education's [State Tests webpage](#).

## **GIFTED SERVICES**

Trotwood-Madison City Schools provides gifted students opportunities to have their unique learning needs met through Advanced/Honors coursework, and/or College Credit Plus (CCP) coursework.

The following table of classes provide gifted services to students based on identification areas:

Gifted Identification Area	Advanced/Honors Courses	College Credit Plus (CCP) Courses	Specialized Elective Courses
<b>Reading/Writing</b>	Advanced Language Arts 6 Advanced Language Arts 7 Advanced Language Arts 8	CCP courses aligned with the area of identification	
<b>Math</b>	Advanced Math 6 Advanced Math 7 Algebra I	CCP courses aligned with the area of identification	
<b>Visual/Performing Arts</b>		CCP courses aligned with the area of identification	All Fine Arts elective courses that align with the area of identification

All gifted students will be clustered or grouped together in classrooms to better meet their needs. If there is not an advanced/honors/AP/CCP course available in the subject area/grade level, the cluster grouped classroom will count as their gifted service. Please note that students who have gifted identification are recommended for these courses; any student who self-selects or is recommended not to take one of the courses will receive a notification indicating they are not receiving gifted services per the Ohio Department of Education’s Gifted Operating Standards

A student who is identified as gifted in Superior Cognitive Abilities or Creative Thinking may be challenged through any of the courses listed in the previous table.

**SPECIAL EDUCATION PROGRAM**

Eligibility for Special Education is determined by state mandated regulations & follows an extensive process in order to qualify for services. Students receiving home instruction also follow the same process for special education. Students may qualify for special education services in one or more of several categories, including: Autism, Deaf-Blindness, Deafness & Hearing Impairment, Emotional Disturbance, Cognitive Disability, Multiple Disabilities, Orthopedic Impairment, Other Health Impairment, Specific Learning Disability, Speech or Language Impairment, Traumatic Brain Injury & Visual Impairment. Once eligibility is determined, an Individualized Education Plan (IEP) is developed by a team of staff people knowledgeable about the student, including the student’s parent/guardian, general education teacher(s), special education teacher(s), a person who can interpret the student’s evaluation data & a school representative (the principal or assistant principal). The IEP will determine the student’s long-term & short-term goals as well as the services needed to achieve those goals. A conference is held at least annually to review the student’s progress & to review the IEP for the following school year.

### **CAREER AND TECHNICAL EDUCATION (CTE) PROGRAMS**

Career and technical education (CTE) courses prepare students for a wide range of high wage, high skill, and high demand careers. CTE programs of study can lead to college readiness, industry certifications, career preparation, and/or internships. Students learn 21st century workforce skills that employers require in addition to honing leadership qualities that will benefit them in future endeavors. TMMS students will have the opportunity to learn about various CTE pathways through the College & Career Readiness course & through visits to Miami Valley CTC.

### **ATHLETICS**

According to the bylaws of the [Ohio High School Athletic Association](#) (OHSAA), all middle school students in grades 7-8 MUST be enrolled in & earn passing grades in a minimum of four courses during the immediately preceding grading period to have continuing eligibility. As such, it is the practice of Trotwood Madison Middle School to enroll all students in at least four courses in order to maintain student eligibility requirements. Students should consult with their coaches, the Athletic Director & their counselor before dropping a course to ensure that they are meeting the minimum requirements to maintain athletic eligibility.

# COLLEGE PREPARATION

## ADVANCED COURSES

- **Advanced Courses**

Academic courses that prepare students for future advanced academics courses are referred to as Advanced courses. Advanced courses can be taken in grades 6-8. Emphasis is given to the skills and strategies students need to succeed in advanced academics courses and in post-secondary education.

The following are indicators of students who typically experience success in Advanced courses:

- Completion of prerequisite coursework (ex. summer reading or summer project)
- Successful performance in prerequisite content area courses and/or related courses
- Reading on or above grade level
- Strong study skills and self-motivation faced with challenging material at rapid pace of instruction
- Proficient oral and written communication skills
- Self-discipline to plan, organize, and carry through tasks to completion

## COLLEGE CREDIT PLUS COURSES

College Credit Plus (CCP) is designed to offer students in grades 7-12 college credits by taking courses from a community college or university while still enrolled in high school. CCP promotes rigorous academics & offers a wide variety of courses to students in grades 7-12 who meet college admission requirements. Students & parents do not incur a fee for College Credit Plus courses taken through public colleges & universities.

Students wishing to participate in College Credit Plus should adhere to the following timeline:

- November: CCP Informational meeting held at TMHS
- February: Schedule courses during the registration window
- May: CCP Paperwork due to counselor (intent form, financial responsibility, acknowledgement form), CCP application due to Sinclair
- May: Placement testing conducted at TMHS or individually through Sinclair

In order to participate in CCP, students must meet requirements outlined by the college or university. Students must also meet all pre-requisite requirements outlined by the college or university. As CCP courses are college level courses, the amount of work, pace of the course & rigor of assignments may be much greater than that at TMHS. Grades earned in CCP courses are calculated into the student's TMHS GPA.

A CCP course earning 3 semester hours earns the equivalent of 1 credit at TMHS. A student may not exceed 30 college hours in a given school year through CCP.

## COLLEGE PREPARATION AND TESTING INFORMATION

### The Pre-ACT

The Pre-ACT 8/9 test provides 8th grade students an opportunity to take a practice test similar to the ACT. The test focuses on English, Math, Reading & Science. TMCS assumes the expense of the Pre-ACT



8/9 for all 8th grade students. For more information, visit the school counselor or go to [the Pre-ACT website](#).

# ADVANCED COURSE OFFERINGS

## ADVANCED ENGLISH LANGUAGE ARTS

### ADVANCED LANGUAGE ARTS 6

Course Code: MS6 ADV-ELA

Placement: 6

Term: Year

Prerequisite: None

Students taking Advanced Language Arts will learn the same content standards as those enrolled in the standard Language Arts course. Students enrolled in Advanced coursework can expect an accelerated pace in the course. In this course, students will learn the writing process, including finding meaningful subjects about which to write. They will learn to structure their writing, revise, edit & publish. Students will learn spelling strategies & proper conventions. Students will also examine & find meaning in relevant fiction & non-fiction texts across different genres.

### ADVANCED LANGUAGE ARTS 7

Course Code: MS7 ADV-ELA

Placement: 7

Term: Year

Prerequisite: Language Arts 6

Students taking Advanced Language Arts will learn the same content standards as those enrolled in the standard Language Arts course. Students enrolled in Advanced coursework can expect an accelerated pace in the course. The 7th grade Language Arts course will focus on reinforcing reading, writing & cognitive-analytical skills for both. Students will refine their skills in reading, writing, speaking & listening. Students will practice their reading comprehension & literary analysis skills.

### ADVANCED LANGUAGE ARTS 8

Course Code: MS8 ADV-ELA

Placement: 8

Term: Year

Prerequisite: Advanced Language Arts 7

Students taking Advanced Language Arts will learn the same content standards as those enrolled in the standard Language Arts course. Students enrolled in Advanced coursework can expect an accelerated pace in the course. Students in the 8th grade Language Arts course will reinforce their reading, writing & cognitive-analytical skills by studying novels, poetry & state examination writing types that are integrated with the study & analysis of research.

## ADVANCED MATHEMATICS

### ADVANCED MATH 6

Course Code: MS6 ADV MATH

Placement: 6

Term: Year

Prerequisite: None

Students taking Advanced Math will learn the same content standards as those enrolled in the standard Math course. Students enrolled in Advanced coursework can expect an accelerated pace in the course. Math 6 is designed to give students a rigorous foundation in core mathematical standards. Areas of focus include connecting ratio & rate to whole number multiplication & division, using ratio & rate to solve problems, completing understanding in division of fractions & extending the notion of the number to the system of rational numbers, including negative numbers, writing, interpreting & using expressions & equations & developing an understanding of statistical thinking.

**ADVANCED MATH 7****Course Code: MS7 ADV MATH****Placement: 7****Term: Year****Prerequisite: Advanced Math 7**

Advanced Math 7 compacts the curriculum of Math 7 & Math 8 in order to prepare students to take Algebra I for high school credit during their 8th grade year. This course is a fast paced program encompassing 100% of the 7th grade math standards & 60% of the Math 8 standards. The Advanced Math 7 course will give students a foundation in pre-algebra concepts in order to prepare students for Algebra I.

**ALGEBRA I****Course Code: MS8 ALG I****Placement: 8****Credits: 1****Prerequisite: None****NCAA Core Course: Yes**

8th grade students taking Algebra I are taking a high school credit bearing course. The grades for this course will appear on a student's final high school transcript & will factor into their overall high school GPA. Students enrolled in the 8th grade Algebra I course are expected to take the Algebra I End of Course (EOC) exam as required by the state of Ohio for graduation. This course provides mastery of algebra skills, including operations with real numbers, simplifying algebraic expressions, solving linear equations & inequalities, solving quadratic equations, exponential functions, simplifying radicals, operating with polynomials & factoring polynomials.

# TROTWOOD-MADISON MIDDLE SCHOOL

## COURSE OFFERINGS

### ELECTIVES

#### **CAREER EXPLORATION**

**Placement: 7**

**Prerequisite: None**

The Career Exploration course teaches students how classroom learning translates into marketable career skills. Through hands-on learning, self-exploration & partnerships within the community, students will engage in career related experiences to acquire basic skills in various career fields.

**Course Code: MS7CTE**

**Term: Semester**

#### **COLLEGE & CAREER READINESS**

**Placement: 8**

**Prerequisite: None**

Students enroll in the College & Career Readiness course their 8th grade year in order to prepare for meeting state high school graduation requirements & post-secondary goals. Students will learn about state graduation requirements, career pathways, state definitions of college & career readiness & opportunities to earn college & career credentials in their 9-12 grade years. Students will be exposed to various speakers that will discuss the college & career opportunities that await them while enrolled in high school & beyond.

**Course Code: MS8CTE**

**Term: Semester**

#### **PROJECT LEAD THE WAY: FLIGHT & SPACE**

**Placement: 6**

**Prerequisite: None**

The exciting world of aerospace comes alive through the Flight and Space (FS) unit. Students become engineers as they design, prototype, and test models to learn about the science of flight and what it takes to travel and live in space. They solve real-world aviation and space challenges and plan a mission to Mars.

**Course Code: MS6PLTW**

**Term: Semester**

#### **PROJECT LEAD THE WAY: MEDICAL DETECTIVES**

**Placement: 7**

**Prerequisite: None**

Students play the role of real-life medical detectives as they collect and analyze medical data to diagnose disease. They solve medical mysteries through hands-on projects and labs, measure and interpret vital signs, examine nervous system structure and function, and investigate disease outbreaks.

**Course Code: PLTW I 7**

**Term: Semester**

**PROJECT LEAD THE WAY: AUTOMATION & ROBOTICS****Course Code: PLTW II 8****Placement: 8****Term: Semester****Prerequisite: None**

Students trace the history, development, and influence of automation and robotics as they learn about mechanical systems, energy transfer, machine automation, and computer control systems. Students use the VEX Robotics® platform to design, build, and program real-world objects such as traffic lights, toll booths, and robotic arms.

**SPEECH & DEBATE****Course Code: MS8SPEECH****Placement: 8****Term: Semester****Prerequisite: None**

This course uses effective public speaking skills to teach students to be better communicators. Students will develop critical thinking skills & dynamic public speaking skills as a results of this course. Students will learn audience analysis & will be equipped to effectively speak in front of a variety of different types of audiences. Students will gain skills in argumentation by building cases in the affirmative & negative of various systemic issues by identifying the merits of each position.

# ENGLISH LANGUAGE ARTS

## **LANGUAGE ARTS 6**

**Course Code: MS6LA1**

**Placement: 6**

**Term: Year**

**Prerequisite: None**

In this course, students will learn the writing process, including finding meaningful subjects about which to write. They will learn to structure their writing, revise, edit & publish. Students will learn spelling strategies & proper conventions. Students will also examine & find meaning in relevant fiction & non-fiction texts across different genres.

## **ADVANCED LANGUAGE ARTS 6**

**Course Code: MS6 ADV-ELA**

**Placement: 6**

**Term: Year**

**Prerequisite: None**

Students taking Advanced Language Arts will learn the same content standards as those enrolled in the standard Language Arts course. Students enrolled in Advanced coursework can expect an accelerated pace in the course. In this course, students will learn the writing process, including finding meaningful subjects about which to write. They will learn to structure their writing, revise, edit & publish. Students will learn spelling strategies & proper conventions. Students will also examine & find meaning in relevant fiction & non-fiction texts across different genres.

## **LANGUAGE ARTS 7**

**Course Code: MS7LA1**

**Placement: 7**

**Term: Year**

**Prerequisite: Advanced Language Arts 6**

The 7th grade Language Arts course will focus on reinforcing reading, writing & cognitive-analytical skills for both. Students will refine their skills in reading, writing, speaking & listening. Students will practice their reading comprehension & literary analysis skills.

## **ADVANCED LANGUAGE ARTS 7**

**Course Code: MS7 ADV-ELA**

**Placement: 7**

**Term: Year**

**Prerequisite: Language Arts 6**

Students taking Advanced Language Arts will learn the same content standards as those enrolled in the standard Language Arts course. Students enrolled in Advanced coursework can expect an accelerated pace in the course. The 7th grade Language Arts course will focus on reinforcing reading, writing & cognitive-analytical skills for both. Students will refine their skills in reading, writing, speaking & listening. Students will practice their reading comprehension & literary analysis skills.

## **LANGUAGE ARTS 8**

**Course Code: MS8LA1**

**Placement: 8**

**Term: Year**

**Prerequisite: Language Arts 7**

Students in the 8th grade Language Arts course will reinforce their reading, writing & cognitive-analytical skills by studying novels, poetry & state examination writing types that are integrated with the study & analysis of research.

**ADVANCED LANGUAGE ARTS 8**

**Course Code: MS8 ADV-ELA**

**Placement: 8**

**Term: Year**

**Prerequisite: Advanced Language Arts 7**

Students taking Advanced Language Arts will learn the same content standards as those enrolled in the standard Language Arts course. Students enrolled in Advanced coursework can expect an accelerated pace in the course. Students in the 8th grade Language Arts course will reinforce their reading, writing & cognitive- analytical skills by studying novels, poetry & state examination writing types that are integrated with the study & analysis of research.

# FINE ARTS

## ART

### ART

Course Code: MSART 7

Placement: 7

Term: Semester

Prerequisite: None

Art is an exploratory skills-based, visual art course that introduces students to a variety of media, skills & tools. Students will learn about art history & how art is valued in different cultures. This course is based on the Ohio Visual Arts standards and will introduce elements of art & principles of design.

## ADVANCED ART

Course Code: MSART 8

Placement: 8

Term: Semester

Prerequisite: None

Advanced Art builds on the skills learned in Art. Students will be exposed to additional mediums of art including painting, drawing & printmaking. Students will execute various projects with advanced levels of sophistication & will engage in more personalized planning in their project's outcome.

## BAND

### BAND

Course Code: MSBAND

Placement: 6-7

Term: Year

Prerequisite: None

Students enrolled in Band will learn to analyze, practice & perform musical selections independently or collaboratively with technical accuracy & expression. Students will read, write, improvise & describe music using standard musical notation and vocabulary. Students will also classify & describe composers and historical musical periods, including classical, popular & traditional American music & musical cultural blends.

## ADVANCED BAND

Course Code: MSADVBAND

Placement: 8

Term: Year

Prerequisite: Band

The advanced band course is for students who wish to continue their education in instrumental performance. Students in Advanced Band will analyze, practice & perform musical selections independently or collaboratively with technical accuracy & expression. Students will read, write, improvise & describe music using standard musical notation and vocabulary. Students will also classify & describe composers and historical musical periods, including classical, popular & traditional American music & musical cultural blends.

## CHOIR

### CHOIR

Course Code: CHOIR 6-8

Placement: 6-8

Term: Year

Prerequisite: None

Choir is a course focused on vocal performance. Students will learn basic techniques to improve their voices, note & rhythm reading, performance skills & self-confidence. A wide variety of music will be performed. Students enrolled in Choir are expected to perform at various scheduled performances & formal performance attire is required.



**THEATRE****DRAMA****Placement: 6****Prerequisite: None****Course Code: MSDR6****Term: Semester**

Students enrolled in drama will experience various aspects of production both on stage & behind the scenes. Students will learn how to organize a production, produce a play & use technology for production purposes. Students will perform productions in-class & have opportunities to perform for the school & community. Students will perform monologues, improvisation, pantomimes & learn dialogue from scripts.

# MATHEMATICS

## **MATH 6**

**Course Code: MS6MA1**

**Placement: 6**

**Term: Year**

**Prerequisite: None**

Math 6 is designed to give students a rigorous foundation in core mathematical standards. Areas of focus include connecting ratio & rate to whole number multiplication & division, using ratio & rate to solve problems, completing understanding in division of fractions & extending the notion of the number to the system of rational numbers, including negative numbers, writing, interpreting & using expressions & equations & developing an understanding of statistical thinking.

## **ADVANCED MATH 6**

**Course Code: MS6 ADV MATH**

**Placement: 6**

**Term: Year**

**Prerequisite: None**

Students taking Advanced Math will learn the same content standards as those enrolled in the standard Math course. Students enrolled in Advanced coursework can expect an accelerated pace in the course. Math 6 is designed to give students a rigorous foundation in core mathematical standards. Areas of focus include connecting ratio & rate to whole number multiplication & division, using ratio & rate to solve problems, completing understanding in division of fractions & extending the notion of the number to the system of rational numbers, including negative numbers, writing, interpreting & using expressions & equations & developing an understanding of statistical thinking.

## **MATH 7**

**Course Code: MS7MA1**

**Placement: 7**

**Term: Year**

**Prerequisite: Math 6**

Topics addressed in the Math 7 course include ratios & proportional reasoning, percentages, integers, rational numbers, expressions, equations & inequalities, geometric figures, area & volume, probability, statistics & performance tasks to develop higher order thinking skills.

## **ADVANCED MATH 7**

**Course Code: MS7 ADV MATH**

**Placement: 7**

**Term: Year**

**Prerequisite: Advanced Math 7**

Advanced Math 7 compacts the curriculum of Math 7 & Math 8 in order to prepare students to take Algebra I for high school credit during their 8th grade year. This course is a fast paced program encompassing 100% of the 7th grade math standards & 60% of the Math 8 standards. The Advanced Math 7 course will give students a foundation in pre-algebra concepts in order to prepare students for Algebra I.

## **MATH 8**

**Course Code: MS8MA1**

**Placement: 8**

**Term: Year**

**Prerequisite: Math 7**

Students in Math 8 will develop higher level critical thinking skills & build fluency in core math concepts including ratios & proportional reasoning, percentages, integers, rational numbers, expressions, equations & inequalities, geometric figures, area & volume, probability, statistics & performance tasks to develop higher order thinking skills.

**ALGEBRA I****Placement: 8****Prerequisite: None****Course Code: MS8 ALG I****Credits: 1****NCAA Core Course: Yes**

8th grade students taking Algebra I are taking a high school credit bearing course. The grades for this course will appear on a student's final high school transcript & will factor into their overall high school GPA. Students enrolled in the 8th grade Algebra I course are expected to take the Algebra I End of Course (EOC) exam as required by the state of Ohio for graduation. This course provides mastery of algebra skills, including operations with real numbers, simplifying algebraic expressions, solving linear equations & inequalities, solving quadratic equations, exponential functions, simplifying radicals, operating with polynomials & factoring polynomials.

# PHYSICAL EDUCATION

## **PHYSICAL EDUCATION**

**Placement: 6**

**Prerequisite: None**

**Course Code: MSPE6**

**Term: semester**

Students will learn skills, rules, strategies and sport etiquette in a variety of individual and team sports. Fitness is a part of all Physical Education courses. Students will have the skills and knowledge necessary to develop their own personal physical activity program. Students will assess personal fitness in terms of cardiovascular endurance, muscular strength, muscular endurance, flexibility, and body composition. Realistic, but challenging, individual goals will be established and a program will be designed to meet identified goals. Students will be expected to actively participate in a variety of fitness activities which may include: running, strength building, stretching, determining body fat percentage, and demonstrating proper technique during exercise. Written assignments and evaluations may be given.

# SCIENCE

## **SCIENCE 6**

**Course Code: MS6SC1**

**Placement: 6**

**Term: Year**

**Prerequisite: None**

Science 6 focuses on Earth and Space Science, Physical Science, and Life Science. In Earth and Space Science, students will classify and identify different types of rocks, minerals, and soil to decode the past environment in which they formed. In Physical Science, students will study the foundational concepts of the particulate nature of matter, linear motion, and kinetic and potential energy. In Life Science, students will study the basics of Modern Cell Theory.

## **SCIENCE 7**

**Course Code: MS7SC1**

**Placement: 7**

**Term: Year**

**Prerequisite: Science 6**

Science 7 focuses on Earth and Space Science, Physical Science, and Life Science. In Earth and Space Science students will focus on the hydraulic cycle, atmospheric and oceanic currents, and the movement of the Earth, sun, and moon. Physical Science focuses on the Periodic Table and the conservation and transformation of mass and energy. In Life Science students will focus on the impact of matter and energy transfer with the different ecosystems.

## **SCIENCE 8**

**Course Code: MS8SC1**

**Placement: 8**

**Term: Year**

**Prerequisite: Science 7**

Science 8 focuses on Earth and Space Science, Physical Science, and Life Science. In Earth and Space Science students will focus on the physical features of Earth and how they formed. In Physical Science, students will focus on forces and motion within, on, and around the Earth and within the universe. In life science, students will focus on the continuation of the species.

# SOCIAL STUDIES

## **SOCIAL STUDIES 6**

**Course Code: MS6SS1**

**Placement: 6**

**Term: Year**

**Prerequisite: None**

Students will study the Eastern Hemisphere (Africa, Asia, Australia & Europe) in their 6th grade year. Students will learn geographic features, early history, cultural development & economic change of each region. Students will learn about the development of river civilizations in Africa & Asia, including their governmental systems, cultures & economic systems.

## **SOCIAL STUDIES 7**

**Course Code: MS7SS1**

**Placement: 7**

**Term: Year**

**Prerequisite: Social Studies 6**

The 7th grade year integrates the study of World History beginning with ancient Greece & continuing through global exploration. Students will learn how historic events are shaped by geographic, social, cultural, economic & political factors. Students will develop an understanding of how ideas & events from the past have shaped the world today.

## **SOCIAL STUDIES 8**

**Course Code: MS8SS1**

**Placement: 8**

**Term: Year**

**Prerequisite: Social Studies 7**

United States history ranging from 1492- 1877 will be studied in the 8th grade year. Students will learn about European exploration & the early years of the United States. Students will see how the United States developed from geographic, social, cultural, economic & political perspectives.