MOORE
PUBLIC SCHOOLS

Course Catalog

2027–2028

Junior High School

Language Arts

ENGLISH

NUMBER	NAME	GRADE	PREREQ	LENGTH
55101/55102	ENGLISH 7	7	NONE	1 YR
55103/55104	HONORS ENGLISH 7	7	QUALIFYING SCORE/ APPROVAL	1 YR
55201/55202	ENGLISH 8	8	ENGLISH 7	1 YR
55203/55204	HONORS ENGLISH 8	8	QUALIFYING SCORE/ APPROVAL	1 YR
55501/55502	ELL ENGLISH 7 & 8	7 and 8	LIMITED ENGLISH PROFICIENCY	1 YR

READING

NUMBER	NAME	GRADE	PREREQ	LENGTH
55601/55602	READING 7	7	NONE	1 YR
55603/55604	HONORS READING 7	7	QUALIFYING SCORE/ APPROVAL	1 YR

English Language Arts 7

In this course students demonstrate an emerging sophistication in their ability to read challenging complex texts closely so that they can cite multiple instances of specific evidence to support their assertions. Students will learn to recognize the interplay between setting, plot and characters and provide an objective summary of a text apart from their own reaction to it. They will compare and contrast different interpretations of a topic, identifying how authors shape their presentation of key information and choose to highlight certain facts over others. In addition, students will trace how an argument develops within a text and assess the validity of the evidence. In discussions and in writing, students will make their reasoning clear to their listeners and readers, constructively evaluating others' use of evidence while offering several sources to back up their own claims. Their vocabulary will develop to the point where they can distinguish between denotative and connotative meaning and can analyze the effect of specific word choice on tone. As students mature as writers,they will cite several sources of specific, relevant evidence when supporting their own point of view about texts and topics.Their writing is more structured, with clear introductions and conclusions as well as useful transitions to create cohesion and clarify relationships among ideas. In writing, they will acknowledge the other side of a debate or an alternative perspective while avoiding plagiarism. Summer reading may be expected as determined per site.

English Language Arts 8

In this course students examine high quality, complex non-fiction texts and great works of literature. The focus of informational texts begins to shift from narrative to exposition. Students will learn to cite the textual evidence that most strongly supports an analysis or critique. Students will question an author's assumptions and assess the accuracy of his/her claims and read closely and uncover evidence to use in their own writing. Students will, for instance, analyze in writing two or more texts that provide conflicting information on the same topic and identify whether the disagreement is over facts or interpretation. They will analyze how point of view can be manipulated to create specific effects such as dramatic irony and investigate how particular passages connect to one another to advance the plot, reveal a character or highlight an idea. In speaking and listening, students are to draw explicitly on their reading and research for discussions.They will respond to questions constructively by offering up relevant evidence, observation and ideas. Students will develop a rich vocabulary of academic words, which they use to speak and write with more precision. In addition, students will write with increasing sophistication, focusing on organizing ideas, concepts and information into broader categories; choosing relevant facts well; and using varied transitions to clarify or show the relationships among elements. Studentsshould be able to distinguish their claims from alternate or opposing claimsand use words and phrases to clarify the relationships and transitions among claims, counterclaims, and reasons and evidence. Summer reading is required.

Honors English Language Arts 7

This course is the first in a series of advanced courses.It is designed to prepare students for the type of expectations required by the high school Advanced Placement program, which is equivalent to college coursework and prepares students for the national exams in AP English Language & Composition and AP English Literature & Composition, as well as the ACT and SAT. In addition to the expectations of 7th grade language arts, this course is reading and writing intensive with rigorous performance expectations in analysis and synthesis levels of thinking. This course includes major projects, multiple essays, and extensive reading outside of class. Successful Honors students are task-oriented, proficient readers and writers who are able to set priorities with regard to time and responsibilities. Summer reading is required.

Honors English Language Arts 8

This course is the second in a series of advanced courses.It is designed to prepare students for the type of expectations required by the high school advanced placement program, which is equivalent to college coursework and prepares students for the national exams in AP English and Composition and AP English Literature and Composition, as well as the ACT and the SAT. In addition to the expectation of 8th grade Language Arts, this course is reading and writing intensive with rigorous performance expectations in analysis and synthesis levels of thinking. This course includes major projects, multiple essays, and extensive reading outside of class. Successful Honors students are task-oriented, proficient readers and writers who are able to set priorities with regard to time and responsibilities. Summer reading is required.

ELL Language Arts 7 & 8

This course is for Limited English Proficient (LEP) students, may be taken for English credit. Through individualized and group instruction, students will gain proficiency in these English language skills: listening with comprehension, speaking, reading, and writing.

Reading / Honors Reading 7

This course offers instruction designed to increase word knowledge and improve reading comprehension while focusing upon the application of specific reading strategies, critical thinking skills, and study skills to assist students in achieving success in all academic areas. A variety of literature and instructional materials that reflect the diversity of our nation and the world, as well as the interest and abilities of the students will be used to enable students to meet high standards and expectations.

Literary Journeys 8th Grade

Embark on an exciting exploration of literature in Literary Journeys. This course invites students to discover diverse voices, genres, and themes via a variety of texts. Through a blend of reading, discussion, and projects, students will analyze texts and make connections to numerous careers
Eight grade students must take either literary journeys or STEM.

Science

NUMBER	NAME	GRADE	PREREQ	LENGTH
65101/65102	GENERAL SCIENCE 7	7	NONE	1 YR
65103/65104	HONORS GENERAL SCIENCE 7	7	NONE	1 YR
65201/65202	GENERAL SCIENCE 8	8	GENERAL SCIENCE 7	1 YR
65203/65204	HONORS GENERAL SCIENCE 8	8	HONORS GENERAL SCIENCE 7 OR RECOMMENDATION	1 YR

General Science 7

In this course students will engage in Life, Earth, and Physical science investigations. Through inquiry-based instruction, students in 7th grade science will focus on: matter, energy, structure and function of organisms, ecosystem dynamics, resources, and AIDS prevention education as mandated by state law. Students will learn and develop science processes, including: observing, modeling, measuring, classifying, experimenting, interpreting, communicating, as well as engaging in scientific reasoning and practicing laboratory safety.

General Science 8

In this course students will engage in Life, Earth, and Physical science investigations. Through inquiry-based instruction, students in 8th grade science will focus on: force and motion, waves, structure and processes, heredity, biological diversity, and the motion, scale, and cycles of the Earth and the solar system. Students will learn and develop science processes, including: observing, modeling, measuring, classifying, experimenting, interpreting, communicating, as well as engaging in scientific reasoning and practicing laboratory safety.

Honors General Science 7

For this course, it is recommended that students earned an A or B in 4th-6th grade math, have an above grade reading level, and are willing to set aside time for projects outside of school hours.

In this course, students will receive inquiry-based instruction and engage in Life, Earth, and Physical Science lab investigations and activities aligned to the Oklahoma Academic Standards. AIDS Prevention education will also be taught in 7th grade, as required by state law. Students will learn and develop science processes, including: observing, modeling, measuring, classifying, experimenting, interpreting, communicating, as well as engaging in scientific reasoning and practicing laboratory safety.

The science honors courses are designed for students who have demonstrated high achievement. The primary focus is to help academically talented students achieve their full potential and receive acceleration and enrichment based on their abilities. The curriculum for these courses will include complex areas of study that are not typical components of the regular course curriculum, e.g. science and engineering projects, research projects, and the application of mathematical concepts. Honors classes are graded with higher expectations and all students will be required to work at an accelerated pace.

Honors General Science 8

For this course, it is recommended that students earned an A or B in 7th Honors Science and are willing to set aside time for projects outside of school hours.

In this course, students will receive inquiry-based instruction and engage in Life, Earth, and Physical Science lab investigations and activities aligned to the Oklahoma Academic Standards. Students will learn and develop science processes, including: observing, modeling, measuring, classifying, experimenting, interpreting, communicating, as well as engaging in scientific reasoning and practicing laboratory safety.

The science honors courses are designed for students who have demonstrated high achievement. The primary focus is to help academically talented students achieve their full potential and receive acceleration and enrichment based on their abilities. The curriculum for these courses will include complex areas of study that are not typical components of the regular course curriculum, e.g. science and engineering projects, research projects, and the application of mathematical concepts. Honors classes are graded with higher expectations and all students will be required to work at an accelerated pace.

Math

NUMBER	NAME	GRADE	PREREQ	LENGTH
95101/95102	MATH 7	7	NONE	1 YR
95103/95104	HONORS PRE-ALGEBRA	7	NONE	1 YR
95105/95106	HONORS ALGEBRA I*	7	COMPLETION OF SUMMER PROGRAM AND QUALIFYING SCORE	1 YR
95201/95202	PRE-ALGEBRA	8	MATH 7	1 YR
95105/95106	HONORS ALGEBRA I*	8	HONORS PRE-ALGEBRA	1 YR
95203/95204	HONORS GEOMETRY*	8	HONORS ALGEBRA I	1 YR

*high school level math
4 credits of high school Math must be taken in 8-12 grade

For guidance see course sequence information on the next page

MATH COURSE SEQUENCE INFORMATION

REGULAR HIGH SCHOOL PROGRAM

7TH
MATH

8TH
PRE-ALGEBRA

9TH
ALGEBRA I

10TH
GEOMETRY

11TH
ALGEBRA II

12TH
MATH OF FINANCE
STATISTICS
PRECALCULUS/TRIG

COLLEGE PREP - OPTIONAL SEQUENCE

7TH
MATH

8TH
PRE-ALGEBRA

9TH
ALGEBRA I

10TH
GEOMETRY

11TH
INTERMEDIATE ALGEBRA
(APPROVAL NEEDED)

12TH
ALGEBRA II

HONORS

3 credits of HS Math must be taken in 9-12 grade

7TH
PRE-ALGEBRA

8TH
HONORS ALGEBRA I

9TH
HONORS GEOMETRY

10TH
HONORS ALGEBRA II

11TH
HONORS PRECALC/TRIG
AP STATISTICS
STATISTICS

12TH
AP CALCULUS
AP STATISTICS

ACCELERATED HONORS

3 credits of HS Math must be taken in 9-12 grade

7TH
HONORS ALGEBRA I

8TH
HONORS GEOMETRY

9TH
HONORS ALGEBRA II

10TH
HONORS PRECALC
AP STATISTICS

11TH
AP CALCULUS
AP STATISTICS

12TH
CONCURRENT COLLEGE ENROLLMENT
ADVANCED MATH STUDIES

***Students can move from the Honors Sequence to a Regular Sequence if needed. Students cannot take a lower level course if they have passed a higher level course.**

Math 7

This course continues the study of basic concepts involved in working with whole numbers, fractions, decimals, integers,and percentages. Students will build on foundational math skills required for math literacy.

Honors Pre-Algebra 7

This course continues the study of whole numbers, fractions, decimals, and percentages with an increase in rigor and at a faster pace than a general pre–Algebra course. Students will focus primarily on algebraic reasoning, including linear functions and rate of change which prepares them for the transition to Algebra I. Students will develop skills to fluently calculate and apply to one and two variable equations. Successful completion of this course will require students to take Algebra 1 in 8th grade.

Prerequisite:

It is recommended that students earned an A in 4th–6th grade math, "Advanced" on state assessments, and are willing to set aside time for math outside of school hours.

Pre-Algebra 8

This course continues the study of whole numbers, fractions, decimals, and percentages. Students will focus primarily on algebraic reasoning, including linear functions and rate of change which prepares them for the transition to Algebra I. Students will develop skills to fluently calculate and apply to one and two variable equations.

Honors Algebra I 7 or 8

This course deepens and extends understanding of linear and exponential relationships introduced in pre–algebra. This course differs from High School Algebra in that it contains content from 7th or 8th grade math and will be taught with increased rigor and at a faster pace than a general Algebra I course. Students will further develop mathematical reasoning by using symbolic and visual representations including graphs, tables, verbal or written statements and algebraic equations to solve and communicate solutions as they develop procedural fluency.

Attention:

The grade earned in this course is recorded on the student's high school transcript and will be calculated in their high school GPA. Students enrolled in this course will need to earn an additional 3 math credits in grades 9–12 to meet graduation requirements. Students who did not earn an A or B in pre–Algebra should not enroll in Honors Algebra 1 as they have not shown the needed foundational skills.

Prerequisite:

Completion of summer program and qualifying score for placement OR Honors Pre–Algebra (Students who did not earn an A or B in Honors Pre–Algebra should not enroll in Honors Algebra I as they have not shown the needed foundational skills.)

***Please note:**

7th grade students taking Honors Algebra 1 may be bussed to a high school for Honors Geometry in 8th grade.

Honors Geometry 8

This course differs from High School Geometry in that it contains content from 8th grade math and will be taught at an increased rigor and a faster pace than a general Geometry course. Students will explore more complex geometric situations and deepen their explanations of geometric relationships through logical reasoning, problem–based activities, and the use of trigonometric ratios. Real world applications and problem–solving strategies will be integrated throughout the course.

Attention:

The grade earned in this course is recorded on the student's high school transcript and will be calculated in their high school GPA. Students enrolled in this course will need to earn an additional 3 math credits in grades 9–12 to meet graduation requirements. Students who did not earn an A or B in Honors Algebra I should not enroll in Honors Geometry as they have not shown the needed foundational skills

Prerequisite:

Honors Algebra I (Students who did not earn an A or B in Honors Algebra 1 should not enroll in Honors Geometry as they have not shown the needed foundational skills.)

***Please note:**

Students may be bussed to a high school for Honors Geometry.

Social Studies

NUMBER	NAME	GRADE	PREREQ	LENGTH
75101/75102	WORLD GEOGRAPHY EASTERN HEMISPHERE	7	NONE	1 YR
75103/75104	HONORS WORLD GEOGRAPHY EASTERN HEMISPHERE	7	NONE	1 YR
75201/75202	US HISTORY & GOVERNMENT: 1754–1877	8	NONE	1 YR
75203/75204	HONORS US HISTORY & GOVERNMENT	8	NONE	1 YR
75205/72106	CURRENT ISSUES	8	NONE	1 SEMESTER

Eastern Hemisphere World Geography

This course is designed to review, strengthen, and increase basic geography knowledge and skills. Through hands-on activities using maps, globes,atlases, and other geographic tools, students will gain, interpret, and apply geographic information to understand human relationships among and within world regions of the Eastern Hemisphere. Using physical, cultural, economic, social, and political geography, students will be able to deal with geographic problems and to evaluate human adaptation to the surrounding environment.

Honors Eastern Hemisphere World Geography

This course will equip students to demonstrate enhanced critical thinking, writing, and reading skills. This course will provide enriched preparation for future Honors and Advanced Placement (AP) courses within junior high and high school. Honors Eastern Hemisphere World Geography is designed to review, strengthen, and increase basic geography knowledge and skills. Through hands-on activities using maps, globes,atlases, and other geographic tools, students will gain, interpret, and apply geographic information to understand human relationships among and within world regions of the Eastern Hemisphere. Using physical, cultural, economic, social,and political geography, students will be able to deal with geographic problems and to evaluate human adaptation to the surrounding environment.

Current Issues

This course introduces students to issues that influence our life in this global, multicultural society. Students will research current economic, political, social, and cultural problems, and explore how ongoing conflicts affect groups as well as individuals. Emphasis is upon America as a dynamic society in the 21st century, witnessing changes involving community, state, nation, and world. Some of the pressing problems facing our rapidly changing society will be examined in detail using a variety of media. Critical thinking skills and technology related research is emphasized. Speaking and listening skills are reinforced through class discussions and oral presentations. The study of interdisciplinary connections relates current events to history thereby enabling students to grasp the interrelationship between and among them. The use of a variety of technologies is integrated throughout the curriculum.

United States History & Government: 1754-1877

This course focuses on the French and Indian War through the post-Civil War and Reconstruction Eras (1754-1877). Students will describe and analyze the major causes, key events, important personalities and historic documents of the American Revolution. Students will examine in greater depth the factors, events, documents, significant individuals, and political ideas that led to the formation of the United States of America through a chronological study of the early national period, westward expansion, and the Civil War and Reconstruction Eras. Citizenship skills will focus upon the historic development and understanding of constitutional government in the United States. Throughout the year, importance will be placed upon the need for accurate geographic knowledge which will include an emphasis on the role of geography in shaping historical events.

Honors United States History and Government

This course will equip students to demonstrate enhanced critical thinking, writing, and reading skills. This course will provide enriched preparation for future Honors and Advanced Placement (AP) courses within high school. The focus of Honors United States History is the French and Indian War through the post-Civil War and Reconstruction Eras (1754-1877). Students will describe and analyze the major causes,key events, important personalities and historic documents of the American Revolution. Students will examine in greater depth the factors, events, documents, significant individuals, and political ideas that led to the formation of the United States of America through a chronological study of the early national period, westward expansion, and the Civil War and Reconstruction Eras. Citizenship skills will focus upon the historic development and understanding of constitutional government in the United States. Throughout the year, importance will be placed upon the need for accurate geographic knowledge which will include an emphasis on the role of geography in shaping historical events.

Electives

ART

NUMBER	NAME	GRADE	PREREQ	LENGTH
25101	ART (Intro to 2D)	7 AND 8	NONE	1 SEM
25102	ART (Intro to 3D)	7 AND 8	NONE	1 SEM

MUSIC - BAND

NUMBER	NAME	GRADE	PREREQ	LENGTH
25501/25502	BEGINNING WOODWINDS	7	NONE	1 YR
25503/25504	BEGINNING BRASS	7	NONE	1 YR
25505/25506	BEGINNING PERCUSSION	7	NONE	1 YR
25601/25602	ADVANCED BAND	8	BEGINNING BAND	1 YR

MUSIC - CHOIR

NUMBER	NAME	GRADE	PREREQ	LENGTH
25201/25202	SELECT BOYS/GIRLS CHORUS	7	NONE	1 YR
25203/25204	SELECT CHORUS	8	GENERAL VOCAL AND/OR APPROVAL	1 YR

PHYSICAL EDUCATION (PE) & ATHLETICS

NUMBER	NAME	GRADE	PREREQ	LENGTH
15401/15402	PHYSICAL EDUCATION	7 AND 8	NONE	1 SEM
	COMPETITIVE ATHLETICS	8		

PUBLICATIONS

NUMBER	NAME	GRADE	PREREQ	LENGTH
45207/45208	INTRO TO YEARBOOK	8	APPROVAL	1 SEM or 1 YR

STEM

NUMBER	NAME	GRADE	PREREQ	CREDIT
45201/45202	STEM INNOVATIONS	7 AND 8	NONE	1 YR
45203/45204	STEM EXPLORATIONS	7 AND 8	NONE	1 YR
145209/145210	STEM – ROBOTICS	7 AND 8	NONE	1 YR
45201	DESIGN & MODELING	7 AND 8	NONE	1 SEM

ART

Art (Intro to 2D)

This course includes discussion in the meaning,major forms, and components of two-dimensional art. Students study elements of art principles of design used in creation of two-dimensional works, art appreciation, and art history. Students are exposed to various media and techniques used in drawing, painting, and printmaking. Consumable supplies may be collected.

Art (Intro to 3D)

This course is designed as a basic three-dimensional course to introduce the students to various 3D mediums: may include, but not limited to clay, metal, fiber, paper, wood, etc. A variety of methods and techniques will be taught, as well as design/creation, art history, and art appreciation. Instruction in the processes, correct use of tool,terms, and techniques will be provided. Consumable supplies and/or fee may be collected.

MUSIC - BAND

Beginning Bands 7

This course is designed to teach and develop the fundamentals of playing a band instrument. It is part of the regular school program. Anyone can join— even if they have never played a musical instrument before. Instruments taught are flute, clarinet, oboe, bassoon, saxophone, trumpet, French Horn, trombone, baritone, tuba, and percussion. Percussion slots are limited and will be assigned pending an interview and audition with the band director. The class is a performance class and performs two to three concerts a year. Students enroll by section (brass, percussion or woodwinds) and are highly encouraged to receive band enrollment guidance and recommendations from the band staff before enrollment. Multiple opportunities to receive recommendations will be available during the semester of enrollment.

Advanced Band

is designed to teach and develop the fundamentals of playing a band instrument. Instruments taught are flute, clarinet,trumpet, French horn,
trombone, baritone,tuba, and percussion. Percussion slots are limited and will be assigned pending an interview and audition with the band director. Saxophone, bass clarinet, oboe, and bassoon are added during the second semester after audition and interview with the band director.

MUSIC - CHOIR

Select Boys/Girls Chorus

This course is open to students who demonstrate a high level of musical skill. Ensemble activities will include exploring a variety of musical styles such as pop, jazz, and other contemporary styles, as well as traditional choral literature. Students will learn basic sight-reading skills and sing two and three- part arrangements of vocal literature. A fee may be required to cover the use of a robe, practice CDs, t-shirt, etc.

Select Chorus

In this course students selected will learn to demonstrate and apply correct vocal techniques. This course is designed as a study in vocal production and music fundamentals with opportunities to sing for personal enjoyment and perform a variety of types of choral literature. Emphasis will be placed on providing each student with many opportunities to enjoy music through active participation and on developing individual music potential. A fee may be required to cover the use of a robe, practice CD's, t-shirt, etc.

PHYSICAL EDUCATION (PE)

Physical Education - COED

This course is designed to implement the components of fitness through a variety of activities, exercises, and games. The course gives students the opportunity to measure their fitness level and gauge their progress in fitness through physical fitness testing. Students will also experience team sports and game that help to develop skills in cooperation, teamwork, and sportsmanship. Activities are modified so that all students have the opportunity to enjoy success in all class activities. This course teaches students how to perform exercises and the purpose of exercising. It also teaches physical skills and gives students the confidence necessary to allow them to participate in activities that contribute to a healthy active lifestyle through exercises, games, and sports they can enjoy for life.

ATHLETICS

Competitive Athletics

This is after school and offers students the opportunity to represent the school in athletic competition against other schools.Students are required to practice and participate at times assigned by the coach and to provide their own transportation home following practice and events; a letter grade will be assigned. Seventh grade boys compete in football, basketball, wrestling, swimming, track, tennis, cross-country, and golf. Seventh grade girls compete in basketball, fast-pitch or slow-pitch softball, volleyball, cheerleading, swimming, track, tennis, cross-country, and golf.

PUBLICATIONS

Intro to Newspaper and Yearbook

This course introduces students to the role of mass media in society. Students will learn to write news stories, features, and editorials and plan page layouts.They will receive experience by producing a school yearbook and/or newspaper. Staff members must plan layout sections, take photos, write copy and headlines, and sell and distribute yearbooks and school newspapers. Students should be able to write, organize materials, and handle responsibility. Knowledge of art and photography will be helpful. Students will learn how to use digital cameras and merge digital images to layouts. Staff members will master design-publishing software in order to produce pages for publication. Students should be able to work as a team to meet deadlines.

STEM

STEM Innovators

In this course, students explore how programming bridges the virtual and physical worlds while diving into the exciting realms of engineering and aerospace. They'll creatively use sensors and actuators to build systems that interact with their environment, designing algorithms and coding programs for microcontrollers to perform real-world tasks. From wearable technology to interactive art and mechanical devices, students will tackle meaningful challenges as a team. Meanwhile, the Flight and Space unit brings aerospace to life as they design, prototype, and test models to explore the science of flight and space travel. Whether solving aviation challenges or planning a mission to Mars, this course is packed with hands-on projects that make computer science and engineering come alive!

STEM Explorations

In this exciting course, students become real-life medical detectives and innovative engineers as they dive into the worlds of healthcare and robotics. They'll collect and analyze medical data to diagnose diseases, measure vital signs, dissect a sheep brain, and investigate disease outbreaks to solve medical mysteries. At the same time, they'll take on the role of robotics interns, building and programming automated systems to create prototypes that meet real-world needs. Through hands-on projects, labs, and teamwork, students will explore how the human body functions, what happens when it breaks down, and how technology can solve problems in creative and futuristic ways.

STEM ROBOTICS

In this course students learn about robotics and VEX programming. Computers, computer software, tablets, drones, robotics kits and other devices will be used for students to learn and engage with the world of robotics. Students will explore a future in the Engineering and Technology pathway, students will study and apply principles from mathematics life sciences physical science, earth and space science, and technology.