



Mesquite ISD Curriculum Sequence

Fourth Grade - First Reporting Period

English Language Arts/Reading

Reading

Establish ELA procedures and routines; self-monitor comprehension; determine a purpose for reading; ask questions throughout the reading process; make and confirm predictions; make pictures in mind to deepen understanding; make and describe connections to personal experiences, other texts and the world; synthesize information to create new understanding; retell or summarize texts; infer basic themes with text evidence; explain relationships between characters; analyze plot elements; explain setting; explain structure in drama; recognize central idea in informational text; recognize organizational patterns of informational text; analyze the author's purpose and message; apply author's craft; describe the author's use of language and text/visual features; use context to determine the meaning of unfamiliar or multi-meaning words; determine the meaning of and use words with affixes; develop fluency by focusing on accuracy, rate, appropriate phrasing, and expression; read grade-appropriate texts independently.

Word Study

Read and spell multisyllabic words with closed and open syllables, vowel teams (ex. ou), digraphs (ex. th), and vowel teams/diphthongs (ex. ou and aw), and r-controlled syllables (ex. ar, er); read words using prefixes; identify high-frequency words.

Writing Workshop

Generate and develop ideas; Use writing process (draft, revise, edit, publish).

Recognize and use complete simple sentences with appropriate capitalization and punctuation.

Use correct subject /verb agreement in simple sentences with compound subjects and/or predicates.

Correctly use parts of speech (verbs, nouns, adjectives, adverbs, etc) while writing.

Write personal narratives, informational and argumentative compositions.

Write legibly in cursive.

Math

Interpret the value of each place value position as ten times the position to the right and as one tenth of the value of the place to its left. (4.2A)

Represent the value of the digit in whole numbers through 1,000,000,000 and decimals to the hundredths using expanded notation and numerals. (4.2B)

Compare and order whole numbers to 1,000,000,000 and represent comparisons using the symbols $<$, $>$, $=$. (4.2C)

Round whole numbers to a given place value through the hundred thousands place. (4.2D)

Represent decimals, including tenths and hundredths, using concrete and visual models and money. (4.2E)

Compare and order decimals using concrete and visual models to hundredths. (4.2F)

Determine the corresponding decimal to the tenths or hundredths place of a specified point on a number line. (4.2H)

Add and subtract whole numbers and decimals to the hundredths place using the standard algorithm. (4.4A)

Determine products of a number and 10 or 100 using properties of operations and place value understanding. (4.4B)

Use strategies and algorithms, including the standard algorithm, to multiply up to a four-digit number by a one-digit number and to multiply a two-digit number by a 2-digit number. Strategies may include mental math, partial products, and the commutative, associative, and distributive properties. (4.4D)

Round to the nearest 10, 100, or 1,000, or use compatible numbers to estimate solutions involving whole numbers. (4.4G)

Represent multi-step problems involving the four operations with whole numbers using strip diagrams and equations with a letter standing for the unknown quantity. (4.5A)

Updated 8/11/21 - LE

Science

Scientific Investigation

For **50% of instructional time**, students will plan and conduct simple classroom and outdoor investigations following safety procedures and using age-appropriate tools. They will draw conclusions based on evidence and communicate explanations about investigations. A science notebook will be kept to record observations, questions, and explanations.

Physical Science Unit

In this unit, students will:

- differentiate among forms of energy, including mechanical, sound, electrical, light, and thermal

- differentiate between conductors and insulators of thermal and electrical energy

- demonstrate that electricity travels in a closed path, creating an electrical circuit.

Activities to integrate science process skills and physical science content during this unit will include investigating with magnets, building a test circuit and testing for conductivity, building different types of circuits and analyzing them as systems. The FOSS Kit, Energy and Electromagnetism, will be utilized to facilitate in depth exploration of these topics.

Updated 7/20/21 JSW

Social Studies

Students will describe the location of Texas.

Students will identify geographic features of Texas.

Students will describe ways people have adapted to and changed the environment in Texas.

Students will describe and compare the regions of Texas.

Students will explain the location of various cities in Texas.

Students will describe ways people have adapted to and changed the environment in Texas.

Students will identify Native American Indian groups of Texas.

Students will compare the lives of Native American Indian groups of Texas.

Students will explain how Native American Indian groups of Texas adapted to and modified the environment.

Students will describe the economic activities of Native American Indian groups in Texas.

Students will identify and explain the importance of the Declaration of Independence and U.S. Constitution.

Students will explain the meaning of the Texas and U.S. Pledges of Allegiance.

Students will explain the meaning of symbols and landmarks in Texas.



Mesquite ISD Curriculum Sequence

Fourth Grade - Second Reporting Period

English

Language Arts/Reading

Reading

Develop oral language; work collaboratively with others to develop a plan of shared responsibilities; develop fluency by focusing on accuracy, rate, appropriate phrasing, and expression; read grade-appropriate texts independently; self-monitor comprehension; determine a purpose for reading; ask questions throughout the reading process; make pictures in mind to deepen understanding; make and describe connections to personal experiences, other texts and the world; synthesize information to create new understanding; evaluate details to determine key ideas; write responses to show understanding of texts using text evidence; retell or summarize texts; respond to new vocabulary; discuss ideas; take notes; explain figurative language; explain structure of drama; recognize central idea in informational text; recognize organizational patterns of informational text; analyze the author's purpose and message; apply author's craft; describe the author's use of language and text/visual features; recognize characteristics and structures of informational and argumentative texts; use context to determine the meaning of unfamiliar or multi-meaning words; determine the meaning of and use words with affixes;

Word Study

Read and spell words with specific patterns, multisyllabic words including prefixes and suffixes; identify and read high-frequency words; spell multisyllabic words, homophones, words with advanced syllable division patterns

Writing Workshop

Generate and develop ideas; Use writing process (draft, revise, edit, publish).

Write informational letters, argumentative editorials, and personal narratives..

Continue work on complete and compound sentences with correct punctuation, pronouns and subordinating conjunctions. Study use of commas, collective nouns, indefinite pronouns and comparative and superlative adjectives.

Write legibly in cursive.

Math

Represent a fraction $\frac{a}{b}$ as a sum of fractions $\frac{1}{b}$, where a and b are whole numbers and $b > 0$, including when $a > b$. (4.3A)

Decompose a fraction in more than one way into a sum of fractions with the same denominator using concrete and pictorial models and recording results with symbolic representations. (4.3B)

Represent the product of 2 two digit numbers using arrays, area models, or equations, including perfect squares through 15×15 . (4.4C)

Use strategies and algorithms, including the standard algorithm, to multiply up to a four-digit number by a one-digit number and to multiply a two-digit number by a 2-digit number. Strategies may include mental math, partial products, and the commutative, associative, and distributive properties.(4.4D)

Represent the quotient of up to a four-digit whole number divided by a one-digit whole number using arrays, area models, or equations. (4.4E)

use strategies and algorithms, including the standard algorithm, to divide up to a four-digit dividend by a one-digit divisor (4.4F)

Solve with fluency one and two step problems involving multiplication and division, including interpreting remainders. (4.4H)

Represent multi-step problems involving the four operations with whole numbers using strip diagrams and equations with a letter standing for an unknown quantity. (4.5A)

Represent problems using an input-output table and numerical expressions to generate a number pattern that follows a given rule representing the relationship of the values in the resulting sequence and their position in the sequence. (4.5B)

Updated 8/11/21 - LE

Science

Physical Science Unit, continued

In this unit, students will:

- measure, compare, and contrast physical properties of matter, including mass, volume, states (solid, liquid, gas), temperature, magnetism, and the ability to sink or float
- predict the changes caused by heating and cooling such as ice becoming liquid water and condensation forming on the outside of a glass of ice water
- compare and contrast a variety of mixtures, including solutions such as sugar in water
- design a descriptive investigation to explore the effect of force on an object such as a push or a pull, gravity, friction, or magnetism

Earth Science Unit

In this unit, students will:

- examine properties of soils, including color and texture, capacity to retain water, and ability to support the growth of plants
- observe and identify slow changes to Earth's surface caused by weathering, erosion, and deposition from water, wind, and ice
- identify and classify Earth's renewable resources, including air, plants, water, and animals and nonrenewable resources, including coal, oil, and natural gas, and the importance of conservation
- measure, record, and predict changes in weather,
- describe and illustrate the continuous movement of water above and on the surface of Earth through the water cycle and explain the role of the Sun as a major source of energy in the process
- collect and analyze data to identify sequences and predict patterns of change in shadows, seasons, and the observable appearance of the Moon over time

Activities will include the use of the FOSS kit, Water and Landforms, for an in-depth study of natural resources, changes to the Earth's surface and patterns in the natural world.

Updated 7/20/21 JSW

Social Studies

Students will describe motivation for European exploration.

Students will explain European explorations and settlements in Texas.

Students will describe Spanish settlements in Texas.

Students will analyze the effects of exploration and immigration in Texas.

Students will identify the contributions of significant empresarios.

Students will describe the Spanish colonial and Mexican governments in Texas.

Students will analyze the causes, major events, and effects of the Texas Revolution.

Students will summarize the contributions of individuals during the Texas Revolutionary period.

Students will identify important leaders during the Republic of Texas period.

Students will describe the successes and problems of the Republic of Texas period.

