



# Mesquite ISD Curriculum Sequence

## Fifth Grade - First Reporting Period

### English Language Arts/Reading

### Math

### Science

### Social Studies

#### Reading

Establish ELA procedures and routines; self-monitor comprehension; 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; make inferences using text evidence; evaluate details to determine key ideas; retell or summarize texts; analyze relationships and conflicts among characters; analyze plot elements; explain structure of drama; recognize central idea with evidence; explain sound devices and figurative language; 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; engage in both short and sustained inquiry processes (research).

#### Word Study

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

#### Writing Workshop

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

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

Use correct subject /verb agreement in simple and compound sentences.

Correctly use parts of speech (past tense irregular verbs and collective nouns) while writing.

Write a narrative story, expository essay and argumentative-persuasive compositions.

Write legibly in cursive.

Represent the value of the digit in decimals through the thousandths using expanded notation and numerals. (5.2A)

Compare and order two decimals to thousandths and represent comparisons using the symbols  $<$ ,  $>$ ,  $=$ . (5.2B)

Round decimals to tenths or hundredths. (5.2C)

Estimate to determine the solutions to mathematical and real-world problems involving addition, subtraction, multiplication and division. (5.3A)

Multiply with fluency a three digit number by a two digit number using the standard algorithm. (5.3B)

Solve with proficiency for quotients of up to a four digit dividend by a two digit divisor using strategies and the standard algorithm. (5.3C)

Represent multiplication of decimals with products to the hundredths using objects and pictorial models, including area models. (5.3D)

Solve for products of decimals to the hundredths, including situations involving money, using strategies based on place value understandings, properties of operations, and the relationship to the multiplication of whole numbers. (5.3E)

Add and subtract positive rational numbers fluently. (5.3K)

#### Scientific Investigation

For 50% of instructional time, students will plan and conduct investigations. They will draw conclusions based on evidence and communicate explanations. A science notebook will be kept to record observations, questions, and explanations.

#### Physical Science Unit

In this unit, students will:

- Classify matter based on its physical properties including mass, magnetism, physical state, relative density (sinking and floating using water as a reference point), solubility in water, melting and boiling points, and the ability to conduct or insulate thermal or electric energy
- Demonstrate and identify properties of mixtures and solutions
- Differentiate among forms of energy including mechanical, light, thermal, electrical and sound energy; and recognize when basic energy transformations occur
- Explore the uses of different forms of energy including mechanical, light, thermal, electrical and sound energy
- Demonstrate that light travels in a straight line until it strikes an object and is reflected or travels through one medium to another and is refracted
- Identify and demonstrate examples of light reflection and refraction
- Demonstrate that electricity can flow in a circuit and can produce heat, light, sound
- Design a simple experimental investigation that tests the effect of force on an object

Students will identify and use parts of a map.

Students will identify and describe various regions in the United States.

Students will explain why Columbus sailed to the Americas.

Students will explain why the Spanish explored the Americas.

Students will explain why Jamestown was the first successful permanent English colony.

Students will explain how the development of tobacco made Jamestown successful.

Students will explain why the pilgrims came to America.

Students will explain how the pilgrims established self-government with the Mayflower Compact.

Students will summarize the religious and economic reasons that prompted groups to settle in New England.

Students will use maps to distinguish between regions.

Students will explain how climate affects the economic activities of a region.

Students will explain how the southern colonies were established and developed.

Students will explain why New England depended on trade for their economy.

Students will understand the diversity of the Middle Colonies.

Students will explain the development of the plantation economy of the south.

Students will locate the Ohio River Valley and Appalachian Mountains.

Students will explain the causes of the French and Indian War.

Students will explain the effects of the French and Indian War.



# Mesquite ISD Curriculum Sequence

## Fifth Grade - Second Reporting Period

### English Language Arts/Reading

### Math

### Science

### Social Studies

#### 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; make inferences with text evidence; write responses to show understanding of texts using text evidence; retell or summarize texts; respond to new vocabulary; discuss ideas; explain structure of drama; 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;

#### 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

Write informal letters, personal narratives, poetry, and persuasive essays.

Use capitalization for abbreviations, initials, acronyms, and organizations. Understand and use active voice verbs, prepositions and prepositional phrases to convey location, time, direction, or to provide details; use irregular comparison forms of adjectives (good, better, best); use adverbs of frequency (usually, sometimes).

Estimate to determine the solutions to mathematical and real-world problems involving addition, subtraction, multiplication and division. (5.3A)

Solve with proficiency for quotients of up to a four digit dividend by a two digit divisor using strategies and the standard algorithm. (5.3C)

Represent quotients of decimals to the hundredths, up to four digit dividends and two digit whole number divisors, using objects and pictorial models, including area models. (5.3F)

Solve for quotients of decimals to the hundredths, up to four digit dividends and two digit whole number divisors, using strategies and algorithms, including the standard algorithm. (5.3G)

Represent and solve addition and subtraction of fractions with unequal denominators referring to the same whole using objects, pictorial models, and properties of operations. (5.3H)

Represent and solve multiplication of a whole number and a fraction that refers to the same whole using objects and pictorial models, including area models. (5.3I)

Represent division of a unit fraction by a whole number and the division of a whole number by a unit fraction such as  $1/3 \div 7$  and  $7 \div 1/3$  using objects and pictorial models, including area models. (5.3J)

Add and subtract positive rational numbers with fluency. (5.3K)

Divide whole numbers by unit fractions and unit fractions by whole numbers. (5.3L)

Identify prime and composite numbers using patterns. (5.4A)

Represent and solve multi-step problems involving the four operations with the whole numbers using equations with a letter standing for the unknown quantity. (5.4B)

Represent and solve problems related to perimeter and or area and related to volume. (5.4H)

The student applies mathematical process standards to classify two dimensional figures by attributes and properties. The student is expected to classify 2D figures in a hierarchy of sets and subsets using graphic organizers based on their attributes and properties. (5.5)

#### Earth Science Unit

In this unit, students will:

- Identify and compare different landforms, including mountains, hills, valleys, plains, deltas, canyons, and sand dunes; and recognize how they are the result of changes to the Earth's surface
- Observe and identify slow changes to Earth's surface caused by weathering, erosion, and deposition from water, wind and ice
- Explore the processes that led to the formation of sedimentary rocks
- Identify fossils as evidence of past living organisms and the nature of the environments at the time using models
- Identify and classify Earth's renewable resources including air, plants, water and animals
- Identify and classify Earth's nonrenewable resources including coal, oil, and natural gas
- Explore the processes that led to the formation of fossil fuels
- Understand the importance of conservation of resources

Students will explain why the British increased taxes following the French and Indian War.

Students will explain why the colonists were angry about the new taxes (Stamp Act).

Students will understand how the Boston Tea Party led to the Intolerable Acts.

Students will explain the actions of the Second Continental Congress.

Students will identify key elements and explain the importance of the Declaration of Independence.

Students will describe the importance of the Battle of Saratoga and winter at Valley Forge. Students will explain why the Articles of Confederation was a weak central government.

Students will explain the basic functions of the three branches of government.

Students will explain the purposes of the U.S. Constitution as identified in the Preamble.

Students will understand the compromises made at the constitutional convention.

Students will explain the purpose of the Bill of Rights.

Students will understand the key concepts of the U.S. Constitution.

Students will understand the purpose of amending the constitution.

Students will understand the contributions of George Washington as president.

Students will compare the Federalists (Hamilton) and the Democratic-Republicans (Jefferson).

Students will identify the territory gained from the Louisiana Purchase.

Students will explain how impressment and other factors involving trade started the War of 1812.

Students will summarize the effects of the Indian Removal Act and the Trail of Tears.

Students will explain how the potato famine and job opportunities contributed to immigration in the 1840s.

Students will describe the importance of the cotton gin and westward settlement in the spread of slavery.

Students will identify major leaders in the early years of the fight for abolition.