Mesquite ISD Curriculum Sequence
Fifth Grade - First Reporting Period

English Language Arts/Reading

Comprehension

Procedures and routines pertaining to literacy; self-monitor reading; visualize; preview texts before reading to activate background knowledge; explain importance of story elements (character traits and changes, setting, plot, etc.); summarize themes; compare and contrast story elements and ideas in stories and in plays; preview informational texts (titles, captions, graphics, etc.) to predict purpose, topic and structure; understand the relationship between the text and nonfiction features; main ideas and supporting details; read a variety of text structures and determine why the author chose a particular structure; draw conclusions and make inferences; discuss elements of poetry and understand the meanings of poem

Vocabulary

Use word parts (affixes and roots) and context to determine meaning of unknown words.

Reading Fluency

Develop fluency by focusing on accuracy, rate, appropriate phrasing, and expression.

Spelling

Spell and pronounce words correctly using long vowel patterns, words with the ô sound spelled o, oa, au, aw, or a followed by an l; words with short vowel sounds in closed syllables; words where vowel sound changes due to affixes (hospital/ hospitality, define/definition); and words with the schwa plus l at the end (final, panel, council, angle).

Writing Workshop

Learn procedures, routines and expectations pertaining to writing, review the writing process, generate ideas, write an imaginative story, build awareness of STAAR expository rubric, write an expository composition, write in response to reading.

Grammar

Recognize and use complete simple sentences with appropriate capitalization and punctuation; correct rambling or run-on sentences; use correct subject/ verb agreement in simple sentences and sentences with compound subjects and/or predicates; combine short sentences by using keywords or words in a series; recognize and write compound sentences using coordinating conjunctions appropriately.

Math

5.1A Apply mathematics to problems arising in everyday life, society, and the workplace.
5.1B Use a problem solving model that incorporates analyzing given information, formulating a plan or strategy, determining the solution, and evaluating the problem solving process and reasonableness of solution.
5.1C Select tools including real objects, manipulatives, paper/pencil, and technology as appropriate and techniques including mental math, estimation, and number sense to solve problems.
5.1D Communicate mathematical ideas, reasoning and their implications using multiple representations including symbols, diagrams, graphs, and language.
5.1G Display, explain, and justify mathematical ideas and arguments using precise mathematical language in written or oral communication.
5.2A Represent the value of the digit in decimals through the thousandths using expanded notation and numerals.
5.2B Compare and order two decimals to thousandths and represent comparisons using the symbols <,>,=.
5.2C Round decimals to tenths or hundredths.
5.3 A Estimate to determine the solutions to mathematical and real-world problems involving addition, subtraction, multiplication and division.
5.3B Multiply with fluency a three digit number by a two digit number using the standard algorithm.
5.3C Solve with proficiency for quotients of up to a four digit dividend by a two digit divisor using strategies and the standard algorithm.
5.3D Represent multiplication of decimals with products to the hundredths using objects and pictorial models, including area models.
5.3E 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.
5.3K Add and subtract positive rational numbers fluently.
5.4B Represent and solve multi-step problems involving the four operations with the whole numbers using equations with a letter standing for the unknown quantity.

Science

<u>Scientific Investigation</u>

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.

<u>Physical Science Unit</u>

In this unit, students will:

- Classify matter based on its physical properties including mass, magnetism, physical state, relative density, 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 or travels through one medium to another
- Identify and demonstrate examples of light reflection and refraction
- Demonstrate that electricity can flow in a circuit and can produce heat, light, sound, and magnetic effects
- Design an experiment to test the effect of force on an object such as a push or pull, gravity, friction, or magnetism

Social Studies

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

Comprehension
Make generalizations, draw conclusions, and infer; question text to deepen understanding; visualize; main ideas and supporting details; identify cause and effect and use to predict future events; summarize text maintaining meaning and logical progression; discuss elements of poetry and find the meanings of poems; set purposes for reading or read for purposes set by the teacher; differentiate between facts and opinions, especially in persuasive texts and media

Vocabulary
Use word parts (affixes and roots) and context to determine meaning of unknown words.
Reading Fluency
Develop fluency by focusing on accuracy, rate, appropriate phrasing, and expression.

Spelling
Spell and pronounce words using schwa + n spelled en, on, or ion (dozen, common, companion) and the schwa + r spelled er and or (bother, governor); words with r-controlled u spelled er, ear, ir, or, ur, and uir (service, rehearse, circulate, worth, disturb, squirrel); words with r-controlled a spelled ar, are, air (area, prepare, repair); other r-controlled patterns spelled or, ar, eer, er, ear, ier; words with the vowel diphthongs oi, oy, ou, ow; prefixes pre, re, post and co; and suffixes er, est, ed, ing.

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

Grammar
Use capitalization for abbreviations, initials and 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). Investigate the various uses of punctuation in poetry.

Math

5.1A Apply mathematics to problems arising in everyday life, society, and the workplace.
5.1B Use a problem solving model that incorporates analyzing given information, formulating a plan or strategy, determining the solution, and evaluating the problem solving process and reasonableness of solution.
5.1D Communicate mathematical ideas, reasoning and their implications using multiple representations including symbols, diagrams, graphs, and language.
5.3A Estimate to determine the solutions to mathematical and real-world problems involving addition, subtraction, multiplication and division.
5.3C Solve with proficiency for quotients of up to a four digit dividend by a two digit divisor using strategies and the standard algorithm.
5.3F 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.
5.3G 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.
5.3H Represent and solve addition and subtraction of fractions with unequal denominators referring to the same whole using objects, pictorial models, and properties of operations.
5.3K Add and subtract positive rational numbers with fluency.
5.4A Identify prime and composite numbers using patterns.
5.4B Represent and solve multi-step problems involving the four operations with the whole numbers using equations with a letter standing for the unknown quantity.
5.4H Represent and solve problems related to perimeter and or area and related to volume.
5.5 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.

Science

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
- Identify alternative energy resources such as wind, solar, hydroelectric, geothermal, and biofuels
- Understand the importance of conservation of resources

Social Studies

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.