FOURTH GRADE SECOND NINE WEEKS – LISD Curriculum Overview

All LISD Curriculum is written by LISD teachers under the guidance of LISD Curriculum Personnel.
All LISD Curriculum is developed based on the Texas Essential Knowledge and Skills (TEKS) for each grade level.
The TEKS are located on the TEA website(http://www.tea.state.tx.us/index2.aspx?id=6148&menu_id=720&menu_id2=785).

Reading Language Arts	Social Studies
Unit 3 **Big Ideas:** ● Text structures and features of expository and procedural text ● Expository compositions with facts, details, explanations ● Response to expository text ● Procedural compositions with facts, details, explanations **Unit 4** **Big Ideas:** ● Structure and elements of poetry ● Structure and elements of drama ● Sensory language used by authors to create images in text ● Compositions about personal experiences ● Writing poems that convey sensory details ● Response to literary text	**Unit 2A: Colonization** **Big Ideas:** ● Meaning of mission flags ● When, where, and why Spanish established settlements in missions ● Characteristics of Spanish colonial government and early Mexican government / impact on Texans ● Impact of empresarios on settlement of Texas ● Role of Texas in Mexican War of Independence and impact on development of Texas **Unit 2B: Texas Revolution** **Big Ideas:** ● Causes, events, and major effects of Texas Revolution ● Important leaders and their impact of Texas as a republic and state ● Characteristics of early Mexican government and influence on Texans ● Economic activities of early immigrants to Texas ● Similarities/differences among racial, ethnic, and religious groups in early Texas ● Significance of Alamo and San Jacinto Monument ● Texas Independence Day ● Contributions of Texans during Texas Revolution

LEWISVILLE ISD ELEMENTARY CURRICULUM

Mathematics

Generate Multiple Solutions for Whole and Rational Number Operations

Unit 4: Multiplication and Division Situations

TEKS: Number: 4BCDEFGH Algebra: 5AB
Process: 1ABCDEFG

Big Ideas:

Content:

- Apply an understanding of Base 10 relationships to develop various strategies/methods for whole and rational number computation.
- Demonstrate the ability to determine efficient strategies and methods to solve problems accurately.
- Analyze, create, and extend patterns and relationships to solve problems.

Process (Continued All Year):

- Apply, represent, and communicate mathematical thinking to solve real-world problems.
- Analyze mathematical relationships to make connections, develop strategies, and justify mathematical ideas and arguments.

Analyze and Apply Fraction and Decimal Relationships

Unit 5: Fraction and Decimal Understanding and Relationships

TEKS: Number: 2ABEFGH, 3ABCDG
Process: 1ABCDEFG

Big Ideas:

Content:

- Apply an understanding of Base 10 relationships to develop relationships between fractional units/parts of a whole to solve problems.
- Represent/compare/order decimals to hundredths.
- Compose/decompose fractions and decimals (based on the unit).
- Apply knowledge of fractions to partition an object or set of objects when solving problems.
- Represent/compare fractions, including equivalent fractions.
- Understand the relationship between fractions and decimals and represent it to tenths and hundredths.

Process (Continued All Year):

- Apply, represent, and communicate mathematical thinking to solve real-world problems.
- Analyze mathematical relationships to make connections, develop strategies, and justify mathematical ideas and arguments.

Science

Force, Motion, and Energy

Unit 5: Forces: Pushing and Pulling

Content:

- Observe and describe how Pushing/Pulling, Magnetism, Gravity, and Friction effect matter. (6D)
- -The student will: Design an experiment that tests the effect of force (pushing/pulling, magnetism, gravity, friction) on an object (6D)
- Use spring scales to measure forces (4A)

Unit 6: Electrical Energy and Circuits

Content:

- Demonstrate that electricity travels in a closed path, creating an electric circuit (6C)
- Explore an electromagnetic field (6C)
- Differentiate between electrical conductors and insulators (6B)

Unit 7: Comparing Forms of Energy

Content:

- Differentiate among the forms of energy, including mechanical, sound, electrical, light, and heat/thermal (6A)

Earth And Space

Unit 8: Exploring the Process of the Water Cycle

Content:

- Describe and illustrate the continuous movement of water above and on the surface of Earth through the water cycle. (8B)
- Explain the role of the Sun as a major source of energy in this process. (8B)

Process (Continued All Year):

- Follow safe and ethical practices in their work in accordance with accepted science standards
- Address concepts and vocabulary in context
- Carefully implement studies of the natural world that can be tested by others
- Clearly communicate valid oral and written results
- Use critical thinking and problem solving to make decisions
- Use tools and models to investigate the natural world