LEWISVILLE ISD ELEMENTARY CURRICULUM

FOURTH GRADE FIRST 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 1 **Big Ideas:** ● Establish habits of readers and writers ● Set a purpose for reading and writing ● Self-select text to read ● Collect ideas for writing ● Use a process for writing ● Respond to and interact with text ● Consider an author's purpose and learn from authors ● Set goals as readers and writers **Unit 2** **Big Ideas:** ● Use thinking strategies to comprehend text ● Respond to text read, hear, or viewed ● Analyze structure and elements of fiction text ● Analyze and apply author's craft ● Plan, draft, revise, and edit personal narrative compositions **Unit 3** (continues to 2nd 9 weeks) **Big Ideas:** ● Use thinking strategies to comprehend text ● Respond to text read, hear, or viewed ● Analyze structure and elements of informational text ● Analyze and apply author's craft ● Plan, draft, revise, and edit informational/expository compositions ● Engage in research/inquiry	**Unit 1** **Big Ideas:** ● Use geographic tools to collect, analyze, and interpret data ● Describe/compare regions of Texas ● Identify how historic documents protect our freedoms and human rights **Unit 2** **Big Ideas:** ● Explain the possible origins of American Indian groups ● Understand origins, similarities, and differences of American Indian Groups ● Summarize motivations and accomplishments for European exploration

Mathematics

Intentional Problem Solving Unit
TEKS: Process 1ABCDEFG
Big Ideas:
- 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

Unit 1: Base Ten Relationships (whole numbers then decimals)
TEKS: 2ABCDEFGH, 3G, 1ABCDEFG
Big Ideas:
- 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
- Apply the understanding of place value relationships to the four operations in order to solve real world problems
- Be skilled at reading and representing numbers in a variety of formats
- Round whole numbers and recognize place value through the billions
- Represent, compare and order decimals to the hundredths using concrete and visual models
- Relate decimals and fractions

Unit 2: Addition & Subtraction Situations (whole numbers & decimals)
TEKS: 4AG, 5A, 1ABCDEFG
Big Ideas:
- 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
- Be skilled at solving unfamiliar addition and subtraction situations, determine the reasonableness of solutions and justify the solutions
- Be skilled at representing problems using a strip diagram or equations with variables

Science

Scientific Investigation and Reasoning
Unit 1: Working Like a Scientist

Big Ideas:

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
- Use evidence to answer questions, scientists clearly communicate valid oral and written results

Matter & Energy
Unit 2: Properties of Matter

Big Ideas:

Content:

- Measure physical properties of matter including, mass, volume, state (solid, liquid, or gas), temperature, magnetism, and the ability to sink or float by safely using science tools (5A)
- Compare and contrast physical properties of matter including size, mass, volume, state (solid, liquid, or gas), temperature, magnetism, and the ability to sink or float (5A)

Unit 3: Mixtures
Big Ideas:

Content:
- Compare and contrast a variety of mixtures including solutions. (5B)
- Identify matter that dissolves to create solutions(5B)
- Compare how matter that dissolves is similar and different from matter that does not dissolve(5B)
- Verify that when a mixture is created the mass of the mixture is the combined mass of the ingredients(5B)

Mathematics	Science
	Unit 4: Comparing Forms of Energy **Content:** ● Differentiate among the forms of energy, including mechanical, sound, electrical, light, and thermal (6A) **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