LEWISVILLE ISD ELEMENTARY CURRICULUM

FOURTH GRADE FIRST NINE WEEKS – LISD Curriculum Overview 2018-19

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:** ● Structure and elements of fiction ● Theme and genre in different cultural, historical, and contemporary contexts ● Sensory language used by authors to create images in literary text ● Compositions about personal experiences ● Response to literary text **Unit 2** **Big Ideas:** ● Text structures and features of expository text ● Expository compositions with facts, details, and explanations ● Response to expository text	**Unit 1** **Big Ideas:** ● Use geographic tools to collect, analyze, and interpret data ● Describe/compare regions of Texas ● Explain important customs, symbols, and celebrations 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

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Mathematics

Introduction to Intentional Problem Solving Unit
TEKS: Process: 1ABCDEFGH

Big Ideas:
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.

Unit 1 – Base 10 Relationships (whole numbers then decimals)

TEKS: 2ABCDEFGH Process: 1ABCDEFGH

Big Ideas:
Content:

- Apply an understanding of Base-10 relationships to develop various strategies/methods for whole and positive rational number operations.
- Represent/compare/order whole numbers to 1,000,000,000.
- Compose and decompose numbers to 1,000,000,000.
- Analyze, create, and extend patterns and relationships to solve problems.
- Represent the magnitude/relative position of numbers and apply this understanding 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.

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)

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Mathematics	Science
Unit 2 – Addition and Subtraction Situations (Whole Number and Decimals) **TEKS: 4AG, 5AB Process: 1ABCDEFGH** **Big Ideas:** **Content**: ● Apply an understanding of Base-10 relationships to develop various strategies/methods for whole and rational number operations. ● 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.	**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