

Elementary Science Scope & Sequence

1 st Quarter (9 weeks) 8/14/19-10/10/19	2 nd Quarter (9 weeks) 10/15/19-12/19/19
<ul style="list-style-type: none"> ◆ Unit 0: SE The First Five Days (5 Days: Aug.14-Aug.20) <ul style="list-style-type: none"> ➤ Big Ideas: Becoming Self Aware ➤ Important Concepts: Emotional Health <ul style="list-style-type: none"> ● Building Relationships ● Social Emotional Learning ● Self-Awareness ● Establish Procedures and Routines ◆ Unit 1: Processes for Scientific Investigations (10 Days: Aug.21-Sept.5) <ul style="list-style-type: none"> ➤ Big Ideas: How Scientists Work ➤ Important Concepts: Science Safety <ul style="list-style-type: none"> ● What Scientists Do ● Skills Scientists Use ● Scientists Collect and Use Data ● Safety and Tools (Glue in Journals) ● Set up Journals (Daily Weather) ◆ Unit 2: Investigating The Physical Properties of Matter and Mixtures (20 Days: Sept.6-Oct.10) <ul style="list-style-type: none"> ➤ Big Ideas: States of Matter ➤ Important Concepts: The Physical Properties of Matter <ul style="list-style-type: none"> ● How Does Matter Change States from (Solid, Liquid, Gas) ● Investigate the Ability of Objects to Sink or Float ● Exploring The Difference Between Mass And Volume ● Investigate Magnetism and Why Certain Things Attract Magnets ● Investigate A Variety Of Mixtures And Solutions ➤ Readiness TEKS: 4.5A, ➤ Supporting TEKS: 4.5B, 4.5C <p>Processing Standards: 4.1 - 4.4 Taught throughout</p>	<ul style="list-style-type: none"> ◆ Unit 3: Investigating Force, Motion and Energy (20 Days:Oct. 15-Nov.20) <ul style="list-style-type: none"> ➤ Big Ideas: Energy and Circuit Investigation ➤ Important Concepts: The Different Forms Of Energy <ul style="list-style-type: none"> ● Investigating The Many Forms Of Energy ● Differentiate Between Conductors and Insulators ● How Electricity Travels In A Closed Path ● Experimenting With Force on Objects ● Force On Objects That Create Push and Pull, Gravity, And Magnetism ● Investigate and Design A Descriptive Investigation on the Effects of Force ➤ Readiness TEKS: 4.6A ➤ Supporting TEKS: 4.6B, 4.6C, 4.6D ◆ Unit 4: Investigating Natural Resources and Earth's Changes (15 Days: Nov.21-Dec.18) <ul style="list-style-type: none"> ➤ Big Ideas: The Earth's Resources ➤ Important Concepts: What Are Natural Resources <ul style="list-style-type: none"> ● Examine Properties of Soils and Its Ability To Support Growth ● Examine and Classify Earth's Renewable Resources ● Examine and Classify Earth's Nonrenewable Resources ● Identify Changes To Earth's Surfaces ● Explore Weathering, Erosion,Deposition ➤ Readiness TEKS: 4.7A, 4.7C ➤ Supporting TEKS: 4.7B <p>Processing Standards: 4.1 - 4.4 Taught throughout</p>

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3 rd Quarter (9 weeks) 1/07/20-03/20/20	4 th Quarter (9 weeks) 3/23/20-5/27/20
<ul style="list-style-type: none"> ◆ Unit 0: SE The First Five Days (5 Days: Jan. 7-Jan.14) <ul style="list-style-type: none"> ➤ Big Ideas: Becoming Self Aware ➤ Important Concepts: Emotional Health <ul style="list-style-type: none"> ● Building Relationships ● Social Emotional Learning ● Self-Awareness ● Establish Procedures and Routines ◆ Unit : 5 Water Weather, and Patterns in The Sky (20 Days: Jan. 15-Feb. 11) <ul style="list-style-type: none"> ➤ Big Ideas: Water, Weather and Patterns In The Sky ➤ Important Concepts: How The Earth, Sun, and Moon Interact With One Another <ul style="list-style-type: none"> ● The Water Cycle ● Weather Patterns Can Be Predicted ● Observe Weather Patterns ● The Sun, Earth, and Moon ● Patterns in The Sky ● Phases of the Moon ● The Movement of The Moon Around Earth ● Seasons, Day and Night ➤ Readiness TEKS: 4.8A ➤ Supporting TEKS: 4.8B, 4.8C Unit 6: Investigating The Energy Flow in Living Systems (15 Days: Feb. 12-Mar.18) <ul style="list-style-type: none"> ➤ Big Ideas: Living Organisms Interaction Within An Ecosystem ➤ Important Concepts: Understanding Interdependence <ul style="list-style-type: none"> ● Organisms Interdependence ● Producers and Consumers ● Animal and Plant Growth ● Comparing Life Cycles ● Modeling Food Chains ● Environmental Changes Effect On an Ecosystem ➤ Readiness TEKS: 4.9B, 4.10A ➤ Supporting TEKS: 4.9A <p>Processing Standards:4.1-4.4 Taught Throughout</p>	<ul style="list-style-type: none"> ◆ Unit 7: The Life Cycles and Behaviors of Organisms: Plants and Animals (25 Days:Mar.23-Apr.27) <ul style="list-style-type: none"> ➤ Big Ideas: Organisms Have Similar Life Processes and Structures To Help Them Survive ➤ Important Concepts: Adaptations and Inherited Traits <ul style="list-style-type: none"> ● How Do Plants Reproduce ● Exploring a Plant’s Life Cycle ● How Do Animals and Insects Reproduce ● Adaptations ● Traits ● What Happened Before ➤ Readiness TEKS: 4.10A ➤ Supporting TEKS: 4.9A, 4.10B, 4.10C ◆ Unit 8: Step Up To Fifth Grade (5 Days: Apr.28-May 5) <ul style="list-style-type: none"> ➤ Big Ideas: STAAR Focuses on concepts and addresses them in depth ➤ Important Concepts: <ul style="list-style-type: none"> ● Investigating Physical Properties of Matter ➤ Readiness TEKS: 5.5A ➤ Supporting TEKS: 5.5B, 5.5C ◆ Unit 9: Working as Scientists: Prepare For District Science Fair (15 Days:May 6-May 26) <ul style="list-style-type: none"> ➤ Big Ideas: Students Will Prepare For The District Science Fair ➤ Important Concepts: Understanding The The Scientific Method To Create A Science Project <ul style="list-style-type: none"> ● Getting Started ● Doing Background Research ● Constructing a Hypothesis ● Testing Your Hypothesis by Doing an Experiment ● Analyzing Your Data and Drawing a Conclusion ● Communicating Your Results ➤ Readiness TEKS: 4.5A, 4.6(A), 4.7(A), 4.7(C), 4.8(A), 4.9 (B), 4.10(A) ➤ Supporting TEKS: 4.5(B), 4.6(B,C,D,), 4.7(B), 4.8(B,C), 4.9(A), 4.10(B), 4.10(C) <p>Processing Standards:4.1-4.4 Taught Throughout</p>



CURRICULUM AND
INSTRUCTION

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