

# Elementary Science Scope & Sequence

1 <sup>st</sup> Quarter (9 weeks) 8/14/19-10/10/19	2 <sup>nd</sup> Quarter (9 weeks) 10/15/19-12/19/19
<ul style="list-style-type: none"> <li>❖ <b>Unit 0: SEL The First Five Days (5 Days: Aug.14-Aug.20)</b> <ul style="list-style-type: none"> <li>➤ Big Ideas: Becoming Self Aware</li> <li>➤ Important Concepts: Emotional Health               <ul style="list-style-type: none"> <li>● Social Emotional Learning</li> <li>● Building Relationships</li> <li>● Establish Procedures and Routines</li> </ul> </li> </ul> </li>   <li>❖ <b>Unit 1: Working Like a Scientist (10 Days: Aug.21-Sept.5)</b> <ul style="list-style-type: none"> <li>➤ Big Ideas: Science Safety</li> <li>➤ Important Concepts: How do scientists work               <ul style="list-style-type: none"> <li>● How Do We Use Our Senses?</li> <li>● How Do we Use Science Tools?</li> <li>● How Do We Use Science Skills?</li> <li>● Guided Inquiry</li> </ul> </li> <li>➤ Readiness TEKS:</li> <li>➤ Supporting TEKS:</li> <li>➤ Process Standards: K.1A, K.2A, K.2B, K.2C, K.2E,K.3C, K.4B</li> </ul> </li>   <li>❖ <b>Unit 2: Exploring Properties of Matter (20 Days: Sept.6-Oct.10)</b> <ul style="list-style-type: none"> <li>➤ Big Ideas: Understanding the observable properties of matter</li> <li>➤ Important Concepts: Matter has properties we can observe               <ul style="list-style-type: none"> <li>● Describing and Sorting Matter</li> <li>● Heating and Cooling</li> <li>● Measuring Length and Size of Objects</li> <li>● Comparing Heavy and Light</li> <li>● Explore Shape, Color, and Texture</li> </ul> </li> <li>➤ Readiness TEKS: K.5A, K.6A</li> <li>➤ Supporting TEKS: K.5B, K.4B</li> </ul> </li> </ul> <p><b>Processing Standards: K.1A-B, K.2A-E, K.3A, K.3C, K.4A-B Taught Throughout</b></p>	<ul style="list-style-type: none"> <li>❖ <b>Unit 3: Exploring Force, Motion and Energy (20 Days: Oct.15-Nov. 12)</b> <ul style="list-style-type: none"> <li>➤ Big Ideas: Explore different forms of energy including interactions of magnets on various materials</li> <li>➤ Important Concepts: Energy comes in many forms               <ul style="list-style-type: none"> <li>● Light, Heat, and Sound Energy</li> <li>● How Do We Describe Location</li> <li>● How Do Things Move</li> <li>● Interactions with Magnets</li> </ul> </li> <li>➤ Readiness TEKS: K.5A, K.6A</li> <li>➤ Supporting TEKS: K.5B, K.6B, K.6C, K.6D</li> </ul> </li>   <li>❖ <b>Unit 4: Exploring Earth’s Materials (15 Days: Nov.13-Dec.16)</b> <ul style="list-style-type: none"> <li>➤ Big Ideas: Earth’s Surface: Rocks, Soil, and Water</li> <li>➤ Important Concepts: Earth’s Surface and Conservation of Resources               <ul style="list-style-type: none"> <li>● Rocks</li> <li>● Water</li> <li>● Natural Resources</li> </ul> </li> <li>➤ Readiness TEKS: K.7A</li> <li>➤ Supporting TEKS: K.7B, K.7C</li> </ul> </li> </ul> <p><b>Processing Standards: K.1A-B, K.2A-E, K.3A, K.3C, K.4A-B Taught Throughout</b></p>

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3 <sup>rd</sup> Quarter (9 weeks) 1/07/20-03/20/20	4 <sup>th</sup> Quarter (9 weeks) 3/23/20-5/27/20
<p>❖ <b>Unit 0: SEL The First Five Days (5 Days: Jan.7-Jan.14)</b></p> <ul style="list-style-type: none"> <li>➤ Big Ideas: Becoming Self Aware</li> <li>➤ Important Concepts: Emotional Health               <ul style="list-style-type: none"> <li>● Social Emotional Learning</li> <li>● Building Relationships</li> <li>● Establish Procedures and Routines</li> </ul> </li> </ul> <p><b>Unit 5: Exploring Patterns of Change (20 Days: Jan.15-Feb.11)</b></p> <ul style="list-style-type: none"> <li>➤ Big Ideas: Describing Seasons and Objects in the Sky</li> <li>➤ Important Concepts: Repeating Patterns in the Sky               <ul style="list-style-type: none"> <li>● What is in the Day Sky</li> <li>● What is in the Night Sky</li> <li>● What are the Seasons</li> <li>● How we Measure Weather</li> </ul> </li> <li>➤ Readiness TEKS: K.8C</li> <li>➤ Supporting TEKS: K.8A, K.8B</li> </ul> <p>❖ <b>Unit 6: Exploring Living Organisms: Plants (15 Days: Feb.12-Mar.18)</b></p> <ul style="list-style-type: none"> <li>➤ Big Ideas: The Life Cycle Of Plants</li> <li>➤ Important Concepts: Plants are Living Organisms               <ul style="list-style-type: none"> <li>● What Are Plant Leaves Like</li> <li>● What Do Plants Need</li> <li>● What Are Some Plant Parts</li> <li>● How Do Plants Grow and Change</li> </ul> </li> <li>➤ Readiness TEKS: K.9B, K.10B</li> <li>➤ Supporting TEKS: K.10A, K.10C, K.10D</li> </ul> <p>Processing Standards: K.1A-B, K.2A-E, K.3A, K.3C, K.4A-B Taught Throughout</p>	<p><b>Unit 7: Exploring Living Organisms: Animals (30 Days: Mar.23-May 4)</b></p> <ul style="list-style-type: none"> <li>➤ Big Ideas: The Life Cycle of Animals</li> <li>➤ Important Concepts: Animals Are Living Organisms               <ul style="list-style-type: none"> <li>● What Are Living Things?</li> <li>● What are Animals Like?</li> <li>● What Do Animals Need?</li> <li>● What Does Our Pet Need?</li> </ul> </li> <li>➤ Readiness TEKS: K.9B, K.10B</li> <li>➤ Supporting TEKS: K.9A, K.10A</li> </ul> <p><b>Unit 8: Working As Scientists: Prepare For District Science Fair (15 Days: May 5-May 26)</b></p> <ul style="list-style-type: none"> <li>➤ Big Ideas: Students Will Prepare For The District Science Fair</li> <li>➤ Important Concepts: Prepare for District Science Fair               <ul style="list-style-type: none"> <li>● Getting Started</li> <li>● Doing Background Research</li> <li>● Constructing a Hypothesis</li> <li>● Testing Your Hypothesis by Doing an Experiment</li> <li>● Analyzing Your Data and Drawing a Conclusion</li> <li>● Communicating Your Results</li> </ul> </li> <li>➤ Readiness TEKS: K.5A, K.6A, K.7A, K.8C, K.9B, K.10B</li> <li>➤ Supporting TEKS: K.5B, K.6(BCD) K.7B, K.7C, K.8A, K.8B, K.9A, K.10A, K.10C, K.10D</li> </ul> <p>Processing Standards: K.1A-B, K.2A-E, K.3A, K.3C, K.4A-B Taught Throughout</p>



CURRICULUM AND  
INSTRUCTION

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