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November 2020						
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December 2020						
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January 2021						
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SCUC - Kinder Science	
Pacing Calendar 2020-2021	
*	STAAR Testing
○	Late Start
□	Student/Staff Holiday
-----	Staff Workday
□	PLC/PD/Student Holiday
△	Early Release Days

Intro	Working Like a Scientist K.1 & K.4
Unit 1	Exploring Properties of Objects K.5AB (K.2CD)
Unit 2	Exploring Energy K.6A (K.2E)
Unit 3	Exploring Position and Motion K.6BCD
Unit 4	Exploring Earth Materials K.7ABC
Unit 5	Exploring Weather K.8AC
Unit 6	Observing Objects in the Sky K.8BC
Unit 7	Describing Seasons K.8AB
Unit 8	Exploring Organisms & Environments K.9AB
Unit 9 Unit 10	Exploring Physical Characteristics of Organisms and Plant Life Cycles K.10ABCD

Process standards: K.1-K.4 are embedded throughout instruction of the content. Detailed specificity per unit is located on the TRS Unit IFDs.

Nine Week Reporting Period		
1 <sup>st</sup>	Aug. 13 - Oct. 16	44 days
2 <sup>nd</sup>	Oct. 19 - Dec. 18	39 days
3 <sup>rd</sup>	Jan. 5 - Mar. 5	42 days
4 <sup>th</sup>	Mar. 15 - May 27	52 days



February 2021						
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March 2021						
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April 2021						
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May 2021						
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June 2021						
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July 2021						
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<b>Unit 1</b>	<p><b>Exploring Properties of Objects</b>  <b>K.5A</b> Observe and record properties of objects, including bigger or smaller, heavier or lighter, shape, color, and texture.  <b>K.5B</b> Observe, record, and discuss how materials can be changed by heating or cooling.  <b>K.2C</b> Collect data and make observations using simple tools.  <b>K.2D</b> Record and organize data and observations using pictures, numbers, and words.</p>
<b>Unit 2</b>	<p><b>Exploring Energy</b>  <b>K.6A</b> Use the senses to explore different forms of energy such as light, thermal, and sound.  <b>K.2E</b> Communicate observations about simple descriptive investigations.</p>
<b>Unit 3</b>	<p><b>Exploring Position and Motion</b>  <b>K.6B</b> Explore interactions between magnets and various materials.  <b>K.6C</b> Observe and describe the location of an object in relation to another such as above, below, behind, in front of, and beside.  <b>K.6D</b> Observe and describe the ways that objects can move such as in a straight line, zigzag, up and down, back and forth, round and round, and fast and slow.</p>
<b>Unit 4</b>	<p><b>Exploring Earth Materials</b>  <b>K.7A</b> Observe, describe, and sort rocks by size, shape, color, and texture.  <b>K.7B</b> Observe and describe physical properties of natural sources of water, including color and clarity.  <b>K.7C</b> Give examples of ways rocks, soil, and water are useful.</p>
<b>Unit 5</b>	<p><b>Exploring Weather</b>  <b>K.8A</b> Observe and describe weather changes from day to day <del>and over seasons</del>.  <b>K.8C</b> Observe, describe, and illustrate objects in the sky such as the clouds, <del>Moon,</del> and stars, including the Sun.</p>
<b>Unit 6</b>	<p><b>Observing Objects in the Sky</b>  <b>K.8B</b> Identify events that have repeating patterns, including <del>season of the year and</del> day and night.  <b>K.8C</b> Observe, describe, and illustrate objects in the sky such the clouds, Moon, and stars, including Sun.</p>
<b>Unit 7</b>	<p><b>Describing Seasons</b>  <b>K.8A</b> Observe and describe weather changes from day to day and over seasons.  <b>K.8B</b> Identify events that have repeating patterns, including seasons of the year and day and night.</p>
<b>Unit 8</b>	<p><b>Exploring Organisms and Environments</b>  <b>K.9A</b> Differentiate between living and nonliving things based upon whether they have basic needs and produce offspring.  <b>K.9B</b> Examine evidence that living organisms have basic needs such as food, water, and shelter for animals and air, water, nutrients, sunlight, and space for plants.</p>
<b>Unit 9 &amp; 10</b>	<p><b>Exploring Physical Characteristics of Organisms and Plant Life Cycles</b>  <b>K.10A</b> Sort plants and animals into groups based on physical characteristics such as color, size, body covering, or leaf shape.  <b>K.10B</b> Identify basic parts of plants and animals.  <b>K.10C</b> Identify ways that young plants resemble the parent plant.  <b>K.10D</b> Observe changes that are part of a simple life cycle of a plant: seed, seedling, plant, flower, and fruit.</p>

August 2020						
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September 2020						
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October 2020						
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November 2020						
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December 2020						
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January 2021						
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SCUC - Grade 1 Science	
Pacing Calendar 2020-2021	
	PLC/PD/Student Holiday
	Late Start
	Student/Staff Holiday
*	STAAR Testing Days
	Early Release Days
-----	Staff Workday

Intro	<b>Working Like a Scientist</b> 1.1A, 1.2B, 1.2C, 1.4A
Unit 1	<b>Investigating Properties of Objects</b> 1.5ABC (1.2BC)
Unit 2	<b>Investigating Energy</b> 1.6A (1.2E)
Unit 3	<b>Investigating How Objects Move</b> 1.6BC (1.2BCD)
Unit 4	<b>Investigating Rocks, Soil, &amp; Water</b> 1.7ABC
Unit 5	<b>Investigating Objects in the Sky</b> 1.8BC (1.2CDE)
Unit 6	<b>Investigating Weather &amp; Seasons</b> 1.8ACD (1.2BCD)
Unit 7	<b>Investigating Organisms &amp; Environments</b> 1.9ABC
Unit 8	<b>Investigating Physical Characteristics of Organisms</b> 1.10AB
Unit 9	<b>Investigating Life Cycles</b> 1.10CD

Process standards: 1.1-1.4 are embedded throughout instruction of the content. Detailed specificity per unit is located on the TRS Unit IFDs.		
Nine Week Reporting Period		
1 <sup>st</sup>	Aug. 13 - Oct. 16	44 days
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February 2021						
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March 2021						
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April 2021						
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May 2021						
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June 2021						
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July 2021						
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<b>Intro</b>	<p><b>Working Like a Scientist</b></p> <p>1.1A Identify, discuss, and demonstrate safe and healthy practices as outlined in Texas Education agency-approved safety standards during classroom and outdoor investigations, including wearing goggles, washing hands and using materials appropriately.</p> <p>1.2B Plan and conduct simple descriptive investigations.</p> <p>1.2C Collect data and make observations using simple tools.</p> <p>1.4A Collect, record and compare information using tools, including computers, hand lenses, primary balances, cups ], bowls, magnets, collecting nets, notebooks, and safety goggles or chemical splash goggles, as appropriate; timing devices; non-standard measuring items; <del>weather instruments such as demonstration thermometers and wind socks; and materials aquariums and terrariums.</del></p>
<b>Unit 1</b>	<p><b>Investigating Properties of Objects</b></p> <p>1.5A Classify objects by observable properties such as larger and smaller, heavier and lighter, shape, color, and texture.</p> <p>1.5B Predict and identify changes in materials caused by heating and cooling.</p> <p>1.5C Classify objects by the materials from which they are made.</p> <p>1.2B Plan and conduct simple descriptive investigations.</p> <p>1.2C Collect data and make observations using simple tools.</p>
<b>Unit 2</b>	<p><b>Investigating Energy</b></p> <p>1.6A Identify and discuss how different forms of energy such as light, thermal, and sound are important to everyday life.</p> <p>1.2E Communicate observations and provide reasons for explanations using student-generated data from simple descriptive investigations.</p>
<b>Unit 3</b>	<p><b>Investigating How Objects Move</b></p> <p>1.6B Predict and describe how a magnet can be used to push or pull an object.</p> <p>1.6C Demonstrate and record the ways that objects can move such as in a straight line, zig zag, up and down, back and forth, round and round, and fast and slow.</p> <p>1.2B Plan and conduct descriptive investigations.</p> <p>1.2C Collect data and make observations using simple tools.</p> <p>1.2D Record and organize data using pictures, numbers and words.</p>
<b>Unit 4</b>	<p><b>Investigating Rocks, Soil, &amp; Water</b></p> <p>1.7A Observe, compare, describe, and sort components of soil by size, texture, and color.</p> <p>1.7B Identify and describe a variety of natural sources of water, including streams, lakes, and oceans.</p> <p>1.7C Identify how rocks, soil, and water are used to make products.</p>
<b>Unit 5</b>	<p><b>Investigating Objects in the Sky</b></p> <p>1.8B Observe and record changes in the appearance of objects in the sky such as the Moon and stars, including the Sun.</p> <p>1.8C Identify characteristics of <del>the seasons of the year and day and night.</del></p> <p>1.2C Collect data and make observations using simple tools.</p> <p>1.2D Record and organize data using pictures, numbers, and words.</p> <p>1.2E Communicate observations and provide reason for explanations using student generated data for simple descriptive investigations.</p>
<b>Unit 6</b>	<p><b>Investigating Weather &amp; Seasons</b></p> <p>1.8A Record weather information, including relative temperature such as hot or cold, clear or cloudy, calm or windy, and rainy or icy.</p> <p>1.8C Identify characteristics of the seasons of the year <del>and day and night.</del></p> <p>1.8D Demonstrate that air is all around us and observe that wind is moving air.</p> <p>1.2B Plan and conduct simple descriptive investigations.</p> <p>1.2C Collect data and make observations using simple words.</p> <p>1.2D Record and organize data using pictures, numbers and words.</p>
<b>Unit 7</b>	<p><b>Investigating Organisms &amp; Environments</b></p> <p>1.9A Sort and classify living and nonliving things based upon whether they have basic needs and produce offspring.</p> <p>1.9B Analyze and record examples of interdependence found in various situations such as terrariums and aquariums or pet and caregiver.</p> <p>1.9C Gather evidence of interdependence among living organisms such as energy <del>transfer through food chains or animals using plants for shelter.</del></p>
<b>Unit 8</b>	<p><b>Investigating Physical Characteristics of Organisms</b></p> <p>1.10A Investigate how the external characteristics of an animal are related to where it lives, how it moves, and what it eats.</p> <p>1.10B Identify and compare the parts of plants.</p>
<b>Unit 9</b>	<p><b>Investigating Life Cycles</b></p> <p>1.10C Compare ways that young animals resemble their parents.</p> <p>1.10D Observe and record life cycles of animals such as a chicken, frog, or fish.</p>

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September 2020						
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October 2020						
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November 2020						
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December 2020						
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January 2021						
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SCUC - Grade 2 Science	
Pacing Calendar 2020-2021	
*	STAAR Testing Days
○	Late Start
■	Student/Staff Holiday
----	Staff Workday
{ }	Common Unit Assessments
△	Early Release Days
□	PLC/PD/Student Holiday

Intro	<b>Working Like a Scientist</b> 2.1A, 2.2AC, 2.3C, 2.4A
Unit 1	<b>Investigating Matter</b> 2.5ABCD (2.2BCD)
Unit 2	<b>Investigating Energy</b> 2.6A (2.2E)
Unit 3	<b>Investigating Force and Motion</b> 2.6BC (2.2BCDF)
Unit 4	<b>Investigating Earth Materials &amp; Natural Resources</b> 2.7ABC
Unit 5	<b>Investigating Patterns in Weather &amp; the Appearance of the Moon</b> 2.8ABC (2.2CDE)
Unit 6	<b>Investigating Organisms &amp; Environments</b> 2.9ABC
Unit 7	<b>Investigating Physical Characteristics &amp; Behaviors of Organisms</b> 2.10AB
Unit 8	<b>Investigating Insect Life Cycles</b> 2.10C

**Process standards: 2.1-2.4 are embedded throughout instruction of the content. Detailed specificity per unit is located on the TRS Unit IFDs.**

Nine Week Reporting Period		
1 <sup>st</sup>	Aug. 13 - Oct. 16	44 days
2 <sup>nd</sup>	Oct. 19 - Dec. 18	39 days
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4 <sup>th</sup>	Mar. 15 - May 27	52 days



February 2021						
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March 2021						
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April 2021						
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May 2021						
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June 2021						
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July 2021						
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Completion Deadline	Common Performance Assessments
November 20, 2020	Unit 2/3 - Investigating Energy, Force and Motion
March 5, 2021	Unit 5 - Investigating the Patterns in Weather and the Appearance of the Moon

<b>Intro</b>	<p><b>Working Like a Scientist</b></p> <p><b>2.1A</b> Identify, describe, and demonstrate safe practices as outlined in Texas Education Agency-approved safety standards during classroom and outdoor investigations, including wearing safety goggles or chemical splash goggles, as appropriate, washing hands, and using materials appropriately.</p> <p><b>2.2A</b> Ask questions about <del>organisms, objects,</del> and events during observations and investigations.</p> <p><b>2.2C</b> Collect data from observations using scientific tools.</p> <p><b>2.3C</b> Identify what a scientist is and explore what different scientists do.</p> <p><b>2.4A</b> Collect, record, and compare information using tools, <del>including computers, hand lenses, rulers, plastic beakers, magnets, collecting nets,</del> notebooks, and safety goggles or chemical splash goggles, as appropriate; <del>timing devices; weather instruments such as thermometers, wind vanes, and rain gauges;</del> and materials to support observations of habitats of organisms such as terrariums and aquariums.</p>
<b>Unit 1</b>	<p><b>Investigating Matter</b></p> <p><b>2.5A</b> Classify matter by physical properties, including relative temperature, texture, flexibility, and whether material is a solid or liquid.</p> <p><b>2.5B</b> Compare changes in materials caused by heating and cooling.</p> <p><b>2.5C</b> Demonstrate that things can be done to materials such as cutting, folding, sanding, and melting to change their physical properties.</p> <p><b>2.5D</b> combine materials that when put together can do things that they cannot do by themselves such as building a tower or bridge and justify the selection of those materials based on their physical properties.</p> <p><b>2.2B</b> plan and conduct descriptive investigations</p> <p><b>2.2C</b> collect data from observations using scientific tools</p> <p><b>2.2D</b> record and organize data using pictures, numbers, and words</p>
<b>Unit 2</b>	<p><b>Investigating Energy</b></p> <p><b>2.6A</b> Investigate the effects on objects by increasing or decreasing amounts of light, heat, and sound energy such as how the color of an object appears different in dimmer light or how heat melts butter.</p> <p><b>2.2E</b> Communicate observations and justify explanations using student-generated data from simple descriptive investigations.</p>
<b>Unit 3</b>	<p><b>Investigating Force &amp; Motion</b></p> <p><b>2.6B</b> Observe and identify how magnets are used in everyday life.</p> <p><b>2.6C</b> Trace and compare patterns of movement of objects such as sliding, rolling, and spinning over time.</p> <p><b>2.2B</b> Plan and conduct descriptive investigations.</p> <p><b>2.2C</b> Collect data from observations using scientific tools.</p> <p><b>2.2D</b> Record and organize data using pictures, numbers and words.</p> <p><b>2.2F</b> Compare results of investigations with what students and scientists know about the world.</p>
<b>Unit 4</b>	<p><b>Investigating Earth Materials &amp; Natural Resources</b></p> <p><b>2.7A</b> Observe, describe, and compare rocks by size, texture, and color.</p> <p><b>2.7B</b> The properties of natural sources of freshwater and saltwater.</p> <p><b>2.7C</b> Distinguish between natural and manmade resources.</p>
<b>Unit 5</b>	<p><b>Investigating Patterns in Weather &amp; the Appearance of the Moon</b></p> <p><b>2.8A</b> Measure, record, and graph weather information, including temperature, wind conditions, precipitation, and cloud coverage, in order to identify patterns in the data.</p> <p><b>2.8B</b> Identify the importance of weather and seasonal information to make choices.</p> <p><b>2.8C</b> Observe, describe, and record patterns of objects in the sky, including the appearance of the Moon.</p> <p><b>2.2C</b> Collect data from observations using scientific tools.</p> <p><b>2.2D</b> Record and organize data using pictures, numbers and words.</p> <p><b>2.2E</b> Communicate observations and justify explanations using student generated data from simple descriptive investigations.</p>
<b>Unit 6</b>	<p><b>Investigating Organisms &amp; Environments</b></p> <p><b>2.9A</b> Identify the basic needs of plants and animals.</p> <p><b>2.9B</b> Identify factors in the environment, including temperature and precipitation, that affect growth and behavior such as migration, hibernation, and dormancy of living things.</p> <p><b>2.9C</b> Compare the ways living organisms depend on each other and on their environments such as through food chains.</p>
<b>Unit 7</b>	<p><b>Investigating Physical Characteristics &amp; Behaviors of Organisms</b></p> <p><b>2.10A</b> Observe, record, and compare how the physical characteristics and behaviors of animals help them meet their basic needs.</p> <p><b>2.10B</b> Observe, record, and compare how the physical characteristics of plants help them meet their basic needs such as stems carry water throughout the plant.</p>
<b>Unit 8</b>	<p><b>Investigating Insect Life Cycles</b></p> <p><b>2.10C</b> Investigate and record some of the unique stages that insects such as grasshoppers and butterflies undergo during their life cycle.</p>

August 2020						
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September 2020						
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October 2020						
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November 2020						
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December 2020						
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January 2021						
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SCUC - Grade 3 Science	
Pacing Calendar 2020-2021	
	CUA Scanning Deadline
	Late Start
	Student/Staff Holiday
	PLC/PD/Student Holiday
	Early Release Days
	STAAR Testing Days
	Staff Workday

Intro	<b>Working Like a Scientist</b> 3.1A, 3.2A
Unit 1	<b>Investigating Properties of Matter</b> 3.5ABCD 3.6A
Unit 2	<b>Investigating Energy</b> 3.6A
Unit 3	<b>Investigating Force &amp; Motion</b> 3.6BC
Unit 4	<b>Investigating the Natural World</b> 3.7ABC
Unit 5	<b>Investigating the Solar System</b> 3.8BCD (Order Tadpoles)
Unit 6	<b>Investigating Weather</b> 3.8A
Unit 7	<b>Investigating Ecosystems</b> 3.9ABC
Unit 8	<b>Investigating Structures &amp; Functions of Organisms</b> 3.10A
Unit 9	<b>Investigating Life Cycles</b> 3.10B

<b>Process standards: 3.1-3.4 are embedded throughout instruction of the content. Detailed specificity per unit is located on the TRS Unit IFDs.</b>		
Nine Week Reporting Period		
1 <sup>st</sup>	Aug. 13 - Oct. 16	44 days
2 <sup>nd</sup>	Oct. 19 - Dec. 18	39 days
3 <sup>rd</sup>	Jan. 5 - Mar. 5	42 days
4 <sup>th</sup>	Mar. 15 - May 27	52 days
<b>TEKS</b> are supporting standards eligible for the STAAR Grade 5 test.		



February 2021						
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March 2021						
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April 2021						
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May 2021						
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June 2021						
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July 2021						
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Scanning Deadline	Common Unit Assessments
September 25, 2020	Unit 1 - Investigating Properties of Matter
November 6, 2020	Unit 2/3 - Investigating Energy, Force and Motion
December 18, 2020	Unit 4 - Investigating the Natural World
January 29, 2021	Unit 5 - Investigating the Solar System
February 12, 2021	Unit 6 - Investigating Weather
March 26, 2021	Unit 7 - Investigating Ecosystems
May 26, 2021	Unit 8/9 - Investigating Structure and Function of Organisms and Life Cycles

<b>Intro</b>	<p><b>Working Like a Scientist</b></p> <p><b>3.1A</b> Demonstrate safe practices as described in Texas Education Agency-approved safety standards during classroom and outdoor investigations using safety equipment as appropriate, including safety goggles or chemical splash goggles, as appropriate, and gloves.</p> <p><b>3.2A</b> Plan and implement descriptive investigations, including asking and answering questions, making inferences, and selecting and using equipment or technology needed, to solve a specific problem in the natural world.</p>
<b>Unit 1</b>	<p><b>Investigating Physical Properties of Matter</b></p> <p><b>3.5A</b> Measure, test, and record physical properties of matter, including temperature, mass, magnetism, and the ability to sink or float.</p> <p><b>3.5B</b> Describe and classify samples of matter as solids, liquids, and gases and demonstrate that solids have a definite shape and that liquids and gases take the shape of their container.</p> <p><b>3.5C</b> Predict, observe, and record changes in the state of matter caused by heating or cooling such as ice becoming liquid water, condensation forming on the outside of a glass of ice water, or liquid water being heated to the point of becoming water vapor. <i>Supporting Standard</i></p> <p><b>3.5D</b> Explore and recognize that a mixture is created when two materials are combined such as gravel and sand or metal and plastic paper clips.</p>
<b>Unit 2</b>	<p><b>Investigating Energy</b></p> <p><b>3.6A</b> Explore different forms of energy, including mechanical, light, sound, and thermal in everyday life.</p>
<b>Unit 3</b>	<p><b>Investigating Force &amp; Motion</b></p> <p><b>3.6B</b> Demonstrate and observe how position and motion can be changed by pushing and pulling objects such as swings, balls, and wagons. <i>Supporting Standard</i></p> <p><b>3.6C</b> Observe forces such as magnetism and gravity acting on objects.</p>
<b>Unit 4</b>	<p><b>Investigating the Natural World</b></p> <p><b>3.7A</b> Explore and record how soils are formed by weathering of rock and the decomposition of plant and animal remains.</p> <p><b>3.7B</b> Investigate rapid changes in Earth's surface such as volcanic eruptions, earthquakes, and landslides. <i>Supporting Standard</i></p> <p><b>3.7C</b> Explore the characteristics of natural resources that make them useful in products and materials such as clothing and furniture and how resources may be conserved.</p>
<b>Unit 5</b>	<p><b>Investigating the Solar System</b></p> <p><b>3.8B</b> Describe and illustrate the Sun as a star composed of gases that provides light and thermal energy.</p> <p><b>3.8C</b> Construct models that demonstrate the relationship of the Sun, Earth, and Moon, including orbits and positions.</p> <p><b>3.8D</b> Identify the planets in Earth's solar system and their position in relation to the Sun. <i>Supporting Standard</i></p>
<b>Unit 6</b>	<p><b>Investigating Weather</b></p> <p><b>3.8A</b> Observe, measure, record, and compare day-to-day weather changes in different locations at the same time that include air temperature, wind direction, and precipitation.</p>
<b>Unit 7</b>	<p><b>Investigating Ecosystems</b></p> <p><b>3.9A</b> Observe and describe the physical characteristics of environments and how they support populations and communities of plants and animals within an ecosystem. <i>Supporting Standard</i></p> <p><b>3.9B</b> Identify and describe the flow of energy in a food chain and predict how changes in a food chain affect the ecosystem such as removal of frogs from a pond or bees from a field.</p> <p><b>3.9C</b> Describe environmental changes such as floods and droughts where some organisms thrive and others perish or move to new locations.</p>
<b>Unit 8</b>	<p><b>Investigating Structure &amp; Behaviors of Organisms</b></p> <p><b>3.10A</b> Explore how structures and functions of plants and animals allow them to survive in a particular environment.</p>
<b>Unit 9</b>	<p><b>Investigating Life Cycles</b></p> <p><b>3.10C</b> Investigate and compare how animals and plants undergo a series of orderly changes in their diverse life cycles such as tomato plants, frogs, and ladybugs. <i>Supporting Standard</i></p>



August 2020						
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September 2020						
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October 2020						
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November 2020						
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December 2020						
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January 2021						
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SCUC - Grade 4 Science	
Pacing Calendar 2020-2021	
{ }	CUA Scanning Deadline
○	Late Start
■	Student/Staff Holiday
□	PLC/PD/Student Holiday
△	Early Release Days
*	STAAR Testing Days
----	Staff Workday

Intro	Processes for Scientific Investigations
Unit 1	Investigating Physical Properties of Matter 4.5A
Unit 2	Investigating Mixtures 4.5B
Unit 3	Investigating Energy 4.6ABC
Unit 4	Investigating Force & Motion 4.6D
Unit 5	Investigating Natural Resources 4.7AC
Unit 6	Investigating the Changing Earth 4.7B
Unit 7	Investigating Weather & the Water Cycle 4.8AB
Unit 8	Investigating Patterns of the Earth 4.8C
Unit 9	Investigating Energy Flow in Living Systems 4.9AB
Unit 10	Investigating Structure & Behaviors of Organisms 4.10AB
Unit 11	Investigating Life Cycles 4.10C

Process standards: 4.1-4.4 are embedded throughout instruction of the content. Detailed specificity per unit is located on the TRS Unit IFDs.		
Nine Week Reporting Period		
1 <sup>st</sup>	Aug. 13 - Oct. 16	44 days
2 <sup>nd</sup>	Oct. 19 - Dec. 18	39 days
3 <sup>rd</sup>	Jan. 5 - Mar. 5	42 days
4 <sup>th</sup>	Mar. 15 - May 27	52 days
TEKS are supporting standards eligible for the STAAR Grade 5 test.		

February 2021						
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March 2021						
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April 2021						
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May 2021						
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June 2021						
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July 2021						
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Scanning Deadline	Common Unit Assessments
September 25, 2020	Unit 1 - Investigating Physical Properties of Matter
October 9, 2020	Unit 2 - Investigating Mixtures
October 30, 2020	Unit 3 - Investigating Energy
November 20, 2020	Unit 4 - Investigating Force & Motion
December 18, 2020	Unit 5 - Investigating Natural Resources
January 29, 2021	Unit 6 - Investigating the Changing Earth
February 12, 2021	Unit 7 - Investigating Weather & the Water Cycle
March 5, 2021	Unit 8 - Investigating Patterns of the Earth
May 7, 2021	Unit 9 - Investigating Energy Flow in Living Systems
	Unit 10 - Investigating Structure & Behaviors of
May 26, 2021	Unit 11 - Investigating Life Cycles

Unit 1	<b>Investigating Physical Properties of Matter</b> <b>4.5A</b> Measure, compare, and contrast physical properties of matter, including mass, volume, states (solid, liquid, gas), temperature, magnetism, and the ability to sink or float.
Unit 2	<b>Investigating Mixtures</b> <b>4.5B</b> Compare and contrast a variety of mixtures, including solutions.
Unit 3	<b>Investigating Energy</b> <b>4.6A</b> Differentiate among forms of energy, including mechanical, sound, electrical, light, and thermal. <b>4.6B</b> Differentiate between conductors and insulators of thermal and electrical energy. <b>4.6C</b> Demonstrate that electricity travels in a closed path, creating and electrical circuit.
Unit 4	<b>Investigating Force &amp; Motion</b> <b>4.6D</b> Design a descriptive investigation to explore the effect of force on an object such as a push or a pull, gravity, friction, or magnetism.
Unit 5	<b>Investigating Natural Resources</b> <b>4.7A</b> Examine properties of soils, including color and texture, capacity to retain water, and ability to support the growth of plants. <i>Supporting Standard</i> <b>4.7C</b> Identify and classify Earth’s renewable resources, including air, plants, water, and animals, and nonrenewable resources, including coal, oil, and natural gas, and the importance of conservation. <i>Supporting Standard</i>
Unit 6	<b>Investigating the Changing Earth</b> <b>4.7B</b> Observe and identify slow changes to Earth’s surface caused by weathering, erosion, and deposition from water, wind and ice.
Unit 7	<b>Investigating Weather &amp; the Water</b> <b>4.8A</b> Measure, record, and predict changes in weather. <i>Supporting Standard</i> <b>4.8B</b> Describe and illustrate the continuous movement of water above and on the surface of Earth through the water cycle and explain the role of the Sun as a major source of energy in this process. <i>Supporting Standard</i>
Unit 8	<b>Investigating Patterns of the Earth</b> <b>4.8C</b> Collect and analyze data to identify sequences and predict patterns of change in shadows, seasons, and the observable appearance of the Moon over time. <i>Supporting Standard</i>
Unit 9	<b>Investigating Energy flow in Living Systems</b> <b>4.9A</b> Investigate that most producers need sunlight, water, and carbon dioxide to make their own food, while consumers are dependent on other organisms for food. <b>4.9B</b> Describe the flow of energy through food webs, beginning with the Sun, and predict how changes in the ecosystem affect the food web.
Unit 10	<b>Investigating Structure &amp; Behaviors of Organisms</b> <b>4.10A</b> Explore how structures and functions enable organisms to survive in their environment. <b>4.10B</b> Explore and describe examples of traits that are inherited from parents to offspring such as eye color and shapes of leaves and behaviors that are learned such as reading a book and a wolf pack teaching their pups to hunt effectively.
Unit 11	<b>Investigating Life Cycles</b> <b>4.10C</b> Explore, illustrate, and compare life cycles in living organisms such as beetles, crickets, radishes, or lima beans.

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September 2020						
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November 2020						
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December 2020						
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January 2021						
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SCUC - Grade 5 Science	
Pacing Calendar 2020-2021	
	Flex Days
	Late Start
	Student/Staff Holiday
{ }	CUA Scanning Deadline
*	STAAR Testing Days
	Early Release Days
-----	Staff Workday
	PLC/PD/Student Holiday

Intro	Processes for Scientific Investigations
Unit 1	Investigating Physical Properties of Matter <b>5.5A, 5.5BC</b>
Unit 2	Investigating Forms of Energy <b>5.6ABC</b>
Unit 3	Investigating Forces <b>5.6D</b>
Unit 4	Investigating Earth's Changes <b>5.7AB</b>
Unit 9	Investigating Fossils & Environments <b>5.9D</b>
Unit 6	Investigating Sun, Earth, & Moon Systems <b>5.8C, 5.8D</b>
Unit 5	Investigating Water & Weather Patterns <b>5.8AB</b>
Unit 7	Investigating Ecosystem Interactions <b>5.9AB, 5.9C</b>
Unit 8	Investigating Structures & Behaviors of Organisms <b>5.10AB</b>
Unit 10	Designing Experimental Investigations

Process standards: 5.1-5.4 are embedded throughout instruction of the content. Detailed specificity per unit is located on the TRS Unit IFDs.		
Nine Week Reporting Period		
1 <sup>st</sup>	Aug. 13 - Oct. 16	44 days
2 <sup>nd</sup>	Oct. 19 - Dec. 18	39 days
3 <sup>rd</sup>	Jan. 5 - Mar. 5	42 days
4 <sup>th</sup>	Mar. 15 - May 27	52 days
<b>TEKS</b> are readiness standards and <b>TEKS</b> are supporting standards eligible for the STAAR Grade 5 test.		

February 2021						
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March 2021						
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April 2021						
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May 2021						
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June 2021						
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July 2021						
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Scanning Deadline	Common Unit Assessments
Aug 17-Sept 18, 2020	Pre-Assessment Window
September 25, 2020	Unit 1 - Investigating Physical Properties of Matter
November 13, 2020	Unit 2/3 - Investigating Forms of Energy and Forces Unit 3 - Performance Assessment
December 18, 2020	Unit 4 - Investigating Earth's Changes
January 15, 2021	Unit 9 - Investigating Fossils and the Environment
February 12, 2021	Unit 6 - Investigating SEM Systems
February 26, 2021	Unit 5 - Investigating Water and Weather Patterns
April 1, 2021	Unit 7 - Investigating Ecosystems Interactions
April 30, 2021	Unit 8 - Investigating Structures & Behaviors of Organisms
May 26, 2021	Unit 10 - Designing Experimental Investigations (Optional Performance Assessment)

Unit 1	<p><b>Investigating Physical Properties of Matter</b></p> <p>5.5A Classify matter based on measurable, testable, and observable physical properties, including mass, magnetism, physical state (solid, liquid, and gas), relative density (sinking and floating using water as a reference point), solubility in water, and the ability to conduct or insulate thermal energy or electric energy. <i>Readiness Standard</i></p> <p>5.5B Demonstrate that some mixtures maintain physical properties of their ingredients such as iron filings and sand and sand and water. <i>Supporting Standard</i></p> <p>5.5C Identify changes that can occur in the physical properties of the ingredients of solutions such as dissolving salt in water or adding lemon juice to water. <i>Supporting Standard</i></p>
Unit 2	<p><b>Investigating Forms of Energy</b></p> <p>5.6A Explore the uses of energy, including mechanical, light, thermal, electrical, and sound energy. <i>Readiness Standard</i></p> <p>5.6B Demonstrate that the flow of electricity in closed circuits can produce light, heat, or sound. <i>Readiness Standard</i></p> <p>5.6C Demonstrate that light travels in a straight line until it strikes an object and is reflected or travels through one medium to another and is refracted. <i>Readiness Standard</i></p>
Unit 3	<p><b>Investigating Forces</b></p> <p>5.6D-Design a simple experimental investigation that tests the effect of force on an object. <i>Supporting Standard</i></p>
Unit 4	<p><b>Investigating Earth's Changes</b></p> <p>5.7A Explore the processes that led to the formation of sedimentary rocks and fossil fuels. <i>Readiness Standard</i></p> <p>5.7B Recognize how landforms such as; deltas, canyons and sand dunes are the results of changes to Earth's surface by wind, water, or ice. <i>Readiness Standard</i></p>
Unit 6	<p><b>Investigating Sun, Earth, &amp; Moon Systems</b></p> <p>5.8C Demonstrate that Earth rotates on its axis once approximately every 24 hours causing the day/night cycle and the apparent movement of the Sun across the sky. <i>Readiness Standard</i></p> <p>5.8D Identify and compare the physical characteristics of the Sun, Earth, and Moon. <i>Supporting Standard</i></p>
Unit 5	<p><b>Investigating Water &amp; Weather Patterns</b></p> <p>5.8A Differentiate between weather and climate. <i>Supporting Standard</i></p> <p>5.8B Explain how the Sun and the ocean interact in the water cycle. <i>Supporting Standard</i></p>
Unit 7	<p><b>Investigating Ecosystems Interactions</b></p> <p>5.9A Observe the way organisms live and survive in their ecosystem by interacting with the living and nonliving components. <i>Readiness Standard</i></p> <p>5.9B Describe the flow of energy within a food web, including the roles of the Sun, producers, consumers, and decomposers. <i>Readiness Standard</i></p> <p>5.9C Predict the effects of changes in ecosystems caused by living organisms, including humans, such as the overpopulation of grazers or the building of highways. <i>Supporting Standard</i></p>
Unit 8	<p><b>Investigating Structure &amp; Behaviors of Organisms</b></p> <p>5.10A - Compare the structures and functions of different species that help them live and survive in a specific environment such as hooves on prairie animals or webbed feet in aquatic animals. <i>Readiness Standard</i></p> <p>5.10B - Differentiate between inherited traits of plants and animals such as spines on a cactus or shape of a beak and learned behaviors such as animal learning tricks or a child riding a bicycle. <i>Readiness Standard</i></p>
Unit 9	<p><b>Investigating Fossils &amp; Environments</b></p> <p>5.9D Identify fossils as evidence of past living organisms and the nature of the environments at the time using models. <i>Supporting Standard</i></p>
Unit 10	<p>5.2A Describe, plan, and implement simple experimental investigations testing one variable.</p> <p>5.2B Ask well-defined questions, formulate testable hypotheses, and select and use appropriate equipment and technology.</p> <p>5.2C Collect information by detailed observations and accurate measuring.</p> <p>5.2D Analyze and interpret information to construct reasonable explanations from direct (observable) and indirect (inferred) evidence.</p> <p>5.2F Communicate valid conclusions in [both] written [and verbal] form[s].</p>