

August 2021						
S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

September 2021						
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26	27	28	29	30		

October 2021						
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24	25	26	27	28	29	30

November 2021						
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December 2021						
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January 2022						
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23	24	25	26	27	28	29
30	31					

SCUC - Grade 2 Science	
Pacing Calendar 2021-2022	
*	STAAR Testing
[]	First/Last Instructional Days
	Student/Staff Holiday
----	Staff Development/Workday
	PLC
	Early Release Days
	Inclement Weather Make-up Day

Intro	Working Like a Scientist 2.1A, 2.2AC, 2.3C, 2.4A
Unit 1	Investigating Matter 2.5ABCD (2.2BCD)
Unit 2	Investigating Energy 2.6A (2.2E)
Unit 3	Investigating Force and Motion 2.6BC (2.2BCDF)
Unit 4	Investigating Earth Materials & Natural Resources 2.7ABC
Unit 5	Investigating Patterns in Weather & the Appearance of the Moon 2.8ABC (2.2CDE)
Unit 6	Investigating Organisms & Environments 2.9ABC
Unit 7	Investigating Physical Characteristics & Behaviors of Organisms 2.10AB
Unit 8	Investigating Insect Life Cycles 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 st	Aug. 12 - Oct. 8 41 days
2 nd	Oct. 12 - Dec. 17 43 days
3 rd	Jan. 4 - Mar. 11 47 days
4 th	Mar. 14 - May 27 54 days



February 2022						
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20	21	22	23	24	25	26
27	28					

March 2022						
S	M	T	W	T	F	S
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April 2022						
S	M	T	W	T	F	S
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May 2022						
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June 2022						
S	M	T	W	T	F	S
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19	20	21	22	23	24	25
26	27	28	29	30		

Completion Deadline	Common Performance Assessments
17-Dec	Unit 2/3 - Investigating Energy, Force and Motion
11-Mar	Unit 5 - Investigating the Patterns in Weather and the Appearance of the Moon

Intro	<p>Working Like a Scientist</p> <p>2.1A 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>2.2A Ask questions about organisms, objects, and events during observations and investigations.</p> <p>2.2C Collect data from observations using scientific tools.</p> <p>2.3C Identify what a scientist is and explore what different scientists do.</p> <p>2.4A Collect, record, and compare information using tools, including computers, hand lenses, rulers, plastic beakers, magnets, collecting nets, notebooks, and safety goggles or chemical splash goggles, as appropriate; timing devices; weather instruments such as thermometers, wind vanes, and rain gauges; and materials to support observations of habitats of organisms such as terrariums and aquariums.</p>
Unit 1	<p>Investigating Matter</p> <p>2.5A Classify matter by physical properties, including relative temperature, texture, flexibility, and whether material is a solid or liquid.</p> <p>2.5B Compare changes in materials caused by heating and cooling.</p> <p>2.5C Demonstrate that things can be done to materials such as cutting, folding, sanding, and melting to change their physical properties.</p> <p>2.5D 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>2.2B plan and conduct descriptive investigations</p> <p>2.2C collect data from observations using scientific tools</p> <p>2.2D record and organize data using pictures, numbers, and words</p>
Unit 2	<p>Investigating Energy</p> <p>2.6A 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>2.2E Communicate observations and justify explanations using student-generated data from simple descriptive investigations.</p>
Unit 3	<p>Investigating Force & Motion</p> <p>2.6B Observe and identify how magnets are used in everyday life.</p> <p>2.6C Trace and compare patterns of movement of objects such as sliding, rolling, and spinning over time.</p> <p>2.2B Plan and conduct descriptive investigations.</p> <p>2.2C Collect data from observations using scientific tools.</p> <p>2.2D Record and organize data using pictures, numbers and words.</p> <p>2.2F Compare results of investigations with what students and scientists know about the world.</p>
Unit 4	<p>Investigating Earth Materials & Natural Resources</p> <p>2.7A Observe, describe, and compare rocks by size, texture, and color.</p> <p>2.7B The properties of natural sources of freshwater and saltwater.</p> <p>2.7C Distinguish between natural and manmade resources.</p>
Unit 5	<p>Investigating Patterns in Weather & the Appearance of the Moon</p> <p>2.8A Measure, record, and graph weather information, including temperature, wind conditions, precipitation, and cloud coverage, in order to identify patterns in the data.</p> <p>2.8B Identify the importance of weather and seasonal information to make choices.</p> <p>2.8C Observe, describe, and record patterns of objects in the sky, including the appearance of the Moon.</p> <p>2.2C Collect data from observations using scientific tools.</p> <p>2.2D Record and organize data using pictures, numbers and words.</p> <p>2.2E Communicate observations and justify explanations using student generated data from simple descriptive investigations.</p>
Unit 6	<p>Investigating Organisms & Environments</p> <p>2.9A Identify the basic needs of plants and animals.</p> <p>2.9B 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>2.9C Compare the ways living organisms depend on each other and on their environments such as through food chains.</p>
Unit 7	<p>Investigating Physical Characteristics & Behaviors of Organisms</p> <p>2.10A Observe, record, and compare how the physical characteristics and behaviors of animals help them meet their basic needs.</p> <p>2.10B 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>
Unit 8	<p>Investigating Insect Life Cycles</p> <p>2.10C Investigate and record some of the unique stages that insects such as grasshoppers and butterflies undergo during their life cycle.</p>