

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						
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		

October 2021						
S	M	T	W	T	F	S
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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

November 2021						
S	M	T	W	T	F	S
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7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30				

December 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	

January 2022						
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16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

SCUC - Grade 5 Science	
Pacing Calendar 2021-2022	
⇒	Flex Days
{ }	CUA Scanning Deadline
*	STAAR Testing
[ ]	First/Last Instructional Days
---	Student/Staff Holiday
----	Staff Development/Workday
PLC	PLC
△	Early Release Days
○	Inclement Weather Make-up Day
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 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 9	Investigating Fossils & Environments <b>5.9D</b>
Unit 8	Investigating Structures & Behaviors of Organisms <b>5.10AB</b>
Unit 10	Designing Experimental Investigations

**TEKS** are readiness standards and **TEKS** are supporting standards eligible for the STAAR Grade 5 test.



February 2022						
S	M	T	W	T	F	S
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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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27	28	29	30	31		

April 2022						
S	M	T	W	T	F	S
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May 2022						
S	M	T	W	T	F	S
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22	23	24	25	26	27	28
29	30	31				

June 2022						
S	M	T	W	T	F	S
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26	27	28	29	30		

**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. 12 - Oct. 8	41 days
2 <sup>nd</sup>	Oct. 12 - Dec. 17	43 days
3 <sup>rd</sup>	Jan. 4 - Mar. 11	47 days
4 <sup>th</sup>	Mar. 14 - May 27	54 days

Scanning Deadline	Common Unit Assessments
Aug 23-Sept 3, 2020	BOY MAPS Screener
September 25, 2021	Unit 1 - Investigating Physical Properties of Matter
November 12, 2021	Unit 2/3 - Investigating Forms of Energy and Forces Unit 3 - Performance Assessment
November 29-December 10	MOY MAPS Screener
December 17, 2021	Unit 4 - Investigating Earth's Changes
January 28, 2022	Unit 6 - Investigating SEM Systems
February 11, 2022	Unit 5 - Investigating Water and Weather Patterns
March 11, 2022	Unit 7 - Investigating Ecosystems Interactions
April 1, 2022	Unit 9 - Investigating Fossils and the Environment
April 11-22, 2022	EOY MAPS Screener
April 29, 2022	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>