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 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** **5.5A, 5.5BC**
Unit 2	**Investigating Forms of Energy** **5.6ABC**
Unit 3	**Investigating Forces** **5.6D**
Unit 4	**Investigating Earth's Changes** **5.7AB**
Unit 9	**Investigating Fossils & Environments** **5.9D**
Unit 6	**Investigating Sun, Earth, & Moon Systems** **5.8C, 5.8D**
Unit 5	**Investigating Water & Weather Patterns** **5.8AB**
Unit 7	**Investigating Ecosystem Interactions** **5.9AB, 5.9C**
Unit 8	**Investigating Structures & Behaviors of Organisms** **5.10AB**
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

1st	Aug. 13 - Oct. 16	44 days
2nd	Oct. 19 - Dec. 18	39 days
3rd	Jan. 5 - Mar. 5	42 days
4th	Mar. 15 - May 27	52 days

TEKS are readiness standards and **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
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	**Investigating Physical Properties of Matter** **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. *Readiness Standard* **5.5B** Demonstrate that some mixtures maintain physical properties of their ingredients such as iron filings and sand and sand and water. ***Supporting Standard*** **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. ***Supporting Standard***
Unit 2	**Investigating Forms of Energy** **5.6A** Explore the uses of energy, including mechanical, light, thermal, electrical, and sound energy. *Readiness Standard* **5.6B** Demonstrate that the flow of electricity in closed circuits can produce light, heat, or sound. *Readiness Standard* **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. *Readiness Standard*
Unit 3	**Investigating Forces** **5.6D**-Design a simple experimental investigation that tests the effect of force on an object. ***Supporting Standard***
Unit 4	**Investigating Earth's Changes** **5.7A** Explore the processes that led to the formation of sedimentary rocks and fossil fuels. *Readiness Standard* **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. *Readiness Standard*
Unit 6	**Investigating Sun, Earth, & Moon Systems** **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. *Readiness Standard* **5.8D** Identify and compare the physical characteristics of the Sun, Earth, and Moon. ***Supporting Standard***
Unit 5	**Investigating Water & Weather Patterns** **5.8A** Differentiate between weather and climate. ***Supporting Standard*** **5.8B** Explain how the Sun and the ocean interact in the water cycle. ***Supporting Standard***
Unit 7	**Investigating Ecosystems Interactions** **5.9A** Observe the way organisms live and survive in their ecosystem by interacting with the living and nonliving components. ***Readiness Standard*** **5.9B** Describe the flow of energy within a food web, including the roles of the Sun, producers, consumers, and decomposers. ***Readiness Standard*** **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. ***Supporting Standard***
Unit 8	**Investigating Structure & Behaviors of Organisms** **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. ***Readiness Standard*** **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. ***Readiness Standard***
Unit 9	**Investigating Fossils & Environments** **5.9D** Identify fossils as evidence of past living organisms and the nature of the environments at the time using models. ***Supporting Standard***
Unit 10	**5.2A** Describe, plan, and implement simple experimental investigations testing one variable. **5.2B** Ask well-defined questions, formulate testable hypotheses, and select and use appropriate equipment and technology. **5.2C** Collect information by detailed observations and accurate measuring. **5.2D** Analyze and interpret information to construct reasonable explanations from direct (observable) and indirect (inferred) evidence. **5.2F** Communicate valid conclusions in [both] written [and verbal] form[s].