

August 2021						
S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
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29	30	31				

September 2021						
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October 2021						
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November 2021						
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December 2021						
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January 2022						
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30	31					

SCUC - 6th Grade Science	
Pacing Calendar 2021-2022	
{ }	CUA Scanning Deadline
*	STAAR Testing
[]	First/Last Instructional Days
	Student/Staff Holiday
-----	Staff Development/Workday
	PLC
△	Early Release Days
○	Inclement Weather Make-up Day

Intro	Processes of Scientific Investigations 6.1AB; 6.2ABCDE; 6.3ABCD; 6.4AB
Unit 1	Investigating Properties of Matter 6.6ABC
Unit 2	Investigating Chemicals 6.5ABC
Unit 3	Investigating Energy Resources & Transformations 6.7A, 6.8A, 6.9C
Unit 4	Investigating Thermal Energy 6.9AB
Unit 5	Investigating Force & Motion 6.8ABCDE
Unit 6	Investigating Earth Materials 6.5B, 6.10AB
Unit 7	Investigating Plate Tectonics 6.10CD
Unit 8	Investigating the Solar System 6.11ABC
Unit 9	Investigating Taxonomic Groups 6.12ABCDE
Unit 10	Investigating Ecosystems 6.5B, 6.12EF

Process standard 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

TEKS are readiness standards and **TEKS** are supporting standards eligible for the STAAR Grade 8 test.

February 2022						
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27	28					

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

DCUA Scan By Dates	
U1- Properties of Matter	25-Sep
U2- Investigating Chemicals	27-Oct
U3/U4 Energy Resources & Thermal Energy	30-Nov
U5- Force & Motion	14-Jan
U6&7- Earth Materials/Plate Tectonics	4-Mar
U8- Solar System	8-Apr
U9- Taxonomic Groups	6-May





Unit 1	Investigating Physical Properties of Matter 6.6A Compare metals, nonmetals, and metalloids using physical properties such as luster, conductivity, or malleability. <i>Supporting Standard</i> 6.6B Calculate density to identify an unknown substance. <i>Supporting Standard</i> 6.6C Test the physical properties of minerals, including hardness, color, luster, and streak.
Unit 2	Investigating Chemicals 6.5A Know that an element is a pure substance represented by a chemical symbol and that a compound is a pure substance represented by a chemical formula. 6.5B Recognize that a limited number of the many known elements comprise the largest portion of solid Earth, living matter, oceans, and the atmosphere. 6.5C Identify the formation of a new substance by using the evidence of a possible chemical change such as production of a gas, change in temperature, production of a precipitate, or color change.
Unit 3	Investigating Energy Resources & Transformations 6.7A Research and discuss the advantages and disadvantages of using coal, oil, natural gas, nuclear power, biomass, wind, hydropower, geothermal, and solar resources. 6.8A Compare and contrast potential and kinetic energy. 6.9C Demonstrate energy transformations such as energy in a flashlight battery changes from chemical energy to electrical energy to light energy. <i>Supporting Standard</i>
Unit 4	Investigating Thermal Energy 6.9A Investigate methods of thermal energy transfer, including conduction, convection, and radiation. 6.9B Verify through investigations that thermal energy moves in a predictable pattern from warmer to cooler until all the substances attain the same temperature such as an ice cube melting.
Unit 5	Investigating Force & Motion 6.8A Compare and contrast potential and kinetic energy. 6.8B Identify and describe the changes in position, direction, and speed of an object when acted upon by unbalanced forces. 6.8C Calculate average speed using distance and time measurements. 6.8D Measure and graph changes in motion. 6.8E Investigate how inclined planes can be used to change the amount of force to move an object.
Unit 6	Investigating Earth's Materials 6.5B Recognize that a limited number of the many known elements comprise the largest portion of solid Earth, living matter, oceans, and the atmosphere. 6.10A Build a model to illustrate the compositional and mechanical layers of Earth, including the inner core, 6.10B Classify rocks as metamorphic, igneous, or sedimentary by the processes of their formation.
Unit 7	Investigating Plate Tectonics 6.10C Identify the major tectonic plates, including Eurasian, African, Indo-Australian, Pacific, North American, and South American. 6.10D Describe how plate tectonics causes major geological events such as ocean basin formation, earthquakes, volcanic eruptions, and mountain building.
Unit 8	Investigating the Solar System 6.11A Describe the physical properties, locations, and movements of the Sun, planets, moons, meteors, asteroids, and comets. 6.11B Understand that gravity is the force that governs the motion of our solar system. 6.11C Describe the history and future of space exploration, including the types of equipment and transportation needed for space travel. <i>Supporting Standard</i>
Unit 9	Investigating Taxonomic Groups 6.12A Understand that all organisms are composed of one or more cells. 6.12B Recognize that the presence of a nucleus is a key factor used to determine whether a cell is prokaryotic or eukaryotic. 6.12C Recognize that the broadest taxonomic classification of living organisms is divided into currently recognized domains. 6.12D Identify the basic characteristics of organisms, including prokaryotic or eukaryotic, unicellular or multicellular, autotrophic or heterotrophic, and mode of reproduction, that further classify them in the currently recognized kingdoms. <i>Supporting Standard</i> 6.12E Describe biotic and abiotic parts of an ecosystem in which organisms interact.
Unit 10	Investigating Ecosystems 6.5B Recognize that a limited number of the many known elements comprise the largest portion of solid Earth, living matter, oceans, and the atmosphere. 6.12E Describe biotic and abiotic parts of an ecosystem in which organisms interact. 6.12F Diagram the levels of organization within an ecosystem, including organism, population, community, and ecosystem.