



1 st Quarter (44 Days)			
<i>Resources:</i> STEMscopes by Accelerated Learning 2024			
Week	Unit/Lesson	Learning Objectives	TEKS
1 st : Aug 8-9 (2 days)	Welcome to school	TSW establish class routines and procedures	N/A
2 nd : Aug 12-16 (5 days)	Matter	Students will classify and describe matter using observable physical properties, including temperature, mass, magnetism, relative density (the ability to sink or float in water), and physical state (solid, liquid, gas) .	4.6A
3 rd : Aug 19-23 (3 days)	Mixtures	Students will investigate and compare a variety of mixtures, including solutions that are composed of liquids in liquids and solids in liquids. Students will demonstrate that matter is conserved when mixtures such as soil and water or oil and water are formed	4.6B 4.6C
4 th : Aug 26- Aug 30 (5 days)	Investigating Forces	Students will plan and conduct descriptive investigations to explore the patterns of forces such as gravity, friction, or magnetism in contact or at a distance on an object.	4.7*
5 th : Sept 2-6 (4 days)	Monday: Labor Day Holiday Investigating Forces	Students will plan and conduct descriptive investigations to explore the patterns of forces such as gravity, friction, or magnetism in contact or at a distance on an object.	4.7*
6 th : Sept 9-13 (5 days)	Investigating Forces	Students will plan and conduct descriptive investigations to explore the patterns of forces such as gravity, friction, or magnetism in contact or at a distance on an object.	4.7*
7 th : Sept 16-20 (5 days)	Investigating Forces	Students will plan and conduct descriptive investigations to explore the patterns of forces such as gravity, friction, or magnetism in contact or at a distance on an object.	4.7*
8 th : Sept 23-27 (4 days)	Friday: Professional Development Transfer of Energy	Students will investigate and identify the transfer of energy by objects in motion, waves in water, and sound	4.8A*
9 th : Sept 30 Oct 4 (5 days)	Transfer of Energy	Students will investigate and identify the transfer of energy by objects in motion, waves in water, and sound	4.8A*
10 th : Oct 7-11 (5 days)	Transfer of Energy	Students will investigate and identify the transfer of energy by objects in motion, waves in water, and sound	4.8A*



2 nd Quarter (43 Days)			
Resources: STEMScopes			
Week	Unit/Lesson	Learning Objectives	TEKS
1 st : Oct 14-18 (5 days)	Transfer of Energy	Students will investigate and identify the transfer of energy by objects in motion, waves in water, and sound	4.8A*
2 nd : Oct 21-25 (5 days)	Conductors and Insulators	Students will identify conductors and insulators of thermal and electrical energy	4.8B*
3 rd : Oct 28- Nov 1 (4 days)	Friday: Parent/Teacher Conferences Conductors and Insulators	Students will identify conductors and insulators of thermal and electrical energy	4.8B*
4 th : Nov 4-8 (5 days)	Conductors and Insulators	Students will identify conductors and insulators of thermal and electrical energy	4.8B*
5 th : Nov 11-15 (5 days)	Electric Currents	demonstrate and describe how electrical energy travels in a closed path that can produce light and thermal energy	4.8C*
6 th : Nov 18-22 (5 days)	Electric Currents	demonstrate and describe how electrical energy travels in a closed path that can produce light and thermal energy	4.8C*
7 th : Nov 25-29	Thanksgiving Holiday		
8 th : Dec 2-6 (5 days)	Patterns in Space	Students will collect and analyze data to identify sequences and predict patterns of change in seasons such as change in temperature and length of daylight. Students will collect and analyze data to identify sequences and predict patterns of change in the observable appearance of the Moon from Earth.	4.9A 4.9B
9 th : Dec 9-13 (5 days)	Patterns in Space	Students will collect and analyze data to identify sequences and predict patterns of change in seasons such as change in temperature and length of daylight. Students will collect and analyze data to identify sequences and predict patterns of change in the observable appearance of the Moon from Earth.	4.9A 4.9B
10 th : Dec 16-20 (5 days)	Patterns in Space	Students will collect and analyze data to identify sequences and predict patterns of change in seasons such as change in temperature and length of daylight. Students will collect and analyze data to identify sequences and predict patterns of change in the observable appearance of the Moon from Earth.	4.9A 4.9B
Winter Break			



3 rd Quarter (44 Days)			
Resources: STEMScopes			
Week	Unit/Lesson	Learning Objectives	TEKS
1 st : Jan 6-10 (5 days)	Monday: Professional Development The Sun and Water Cycle	Students will 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.	4.10A
2 nd : Jan 13-17 (5 days)	The Sun and Water Cycle	Students will 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.	4.10A
3 rd : Jan 20-24 (4 days)	Monday: MLK Holiday Slow Changes to Earth's Surface	Students will model and describe slow changes to Earth's surface caused by weathering, erosion, and deposition from water, wind, and ice.	4.10B
4 th : Jan 27-31 (5 days)	Slow Changes to Earth's Surface	Students will model and describe slow changes to Earth's surface caused by weathering, erosion, and deposition from water, wind, and ice.	4.10B
5 th : Feb 3-7 (5 days)	Slow Changes to Earth's Surface	Students will model and describe slow changes to Earth's surface caused by weathering, erosion, and deposition from water, wind, and ice.	4.10B
6 th : Feb 10-14 (5 days)	Friday: District Professional Development Weather Versus Climate	Students will differentiate between weather and climate.	4.10C
7 th : Feb 17-21 (4 days)	Weather Versus Climate	Students will differentiate between weather and climate.	4.10C
8 th : Feb 24-28 (5 days)	Resources	Students will identify and explain advantages and disadvantages of using Earth's renewable and nonrenewable natural resources such as wind, water, sunlight, plants, animals, coal, oil, and natural gas. Students will explain the critical role of energy resources to modern life and how conservation, disposal, and recycling of natural resources impact the environment. Students will determine the physical properties of rocks that allow Earth's natural resources to be stored there.	4.11A 4.11B 4.11C



3 rd Quarter (44 Days)			
Resources: STEMScopes			
Week	Unit/Lesson	Learning Objectives	TEKS
9 th : Mar 3-7 (5 days)	Resources	Students will identify and explain advantages and disadvantages of using Earth's renewable and nonrenewable natural resources such as wind, water, sunlight, plants, animals, coal, oil, and natural gas. Students will explain the critical role of energy resources to modern life and how conservation, disposal, and recycling of natural resources impact the environment. Students will determine the physical properties of rocks that allow Earth's natural resources to be stored there.	4.11A 4.11B 4.11C
Spring Break March 10-14			

4 th Quarter (46 Days)			
Resources: StemScopes			
Week	Unit/Lesson	Learning Objectives	TEKS
1 st : Mar 17- 21 (5 days)	Food Webs	Students will investigate and explain how most producers can make their own food using sunlight, water, and carbon dioxide through the cycling of matter. Students will describe the cycling of matter and flow of energy through food webs, including the roles of the Sun, producers, consumers, and decomposers.	4.12A 4.12B
Ramadan Break Mar 24 - 31			
2 nd : Apr 1-4 (4 days)	Food Webs	Students will investigate and explain how most producers can make their own food using sunlight, water, and carbon dioxide through the cycling of matter. Students will describe the cycling of matter and flow of energy through food webs, including the roles of the Sun, producers, consumers, and decomposers.	4.12A 4.12B
3 rd : April 7-11 (5 days)	Unlocking the Past through Fossils	Students will identify and describe past environments based on fossil evidence, including common Texas fossils.	4.12C
4 th : April 14- 18 (5 days)	Structures and Functions of Plants	Students will explore and explain how structures and functions of plants such as waxy leaves and deep roots enable them to survive in their environment.	4.13A
5 th : Apr 21-25 (5 days)	Structures and Functions of Plants	Students will explore and explain how structures and functions of plants such as waxy leaves and deep roots enable them to survive in their environment.	4.13A
6 th : Apr 28 -May 2 (5 days)	Traits of Organisms	Students will differentiate between inherited and acquired physical traits of organisms.	4.13B
7 th : May 5- 9	STAAR Testing	STAAR TESTING	STAAR TESTING



4 th Quarter (46 Days)			
<i>Resources: StemScopes</i>			
Week	Unit/Lesson	Learning Objectives	TEKS
(5 days)			
8th May 12- 16 (5 days)	Step up to 5th Grade	Project based learning	Review & enrichment activities
9th May 19- 23 (5 days)	Step up to 5th Grade	Project based learning	Review & enrichment activities
10th May 26-28	Award Ceremonies	Project based learning	Review & enrichment activities

* TEKS tested in Gr 5