1st Quarter (44 Days)			
Resources: **Stem Scopes**			
Week	**Unit/ Lesson**	**Learning Objectives**	**Reporting Categories (TEKS SEs)**
1st: Aug 11-14 *(4 days)*	**Solids, Liquids, and Gases**	TSW compare solids, liquids, and gases in terms of their structure, shape, volume, and kinetic energy of atoms and molecules	6.6A
2nd: Aug 17-22 *(5 days)*	**Solids, Liquids, and Gases**	TSW compare solids, liquids, and gases in terms of their structure, shape, volume, and kinetic energy of atoms and molecules	6.6A
3rd: Aug 24-28 *(5 days)*	**Pure Substances and Mixtures**	TSW investigate the physical properties of matter to distinguish between pure substances, homogeneous mixtures (solutions), and heterogeneous mixtures	6.6 (B)
4th: Aug31-Sep4 *(5 days)*	**Metals, Nonmetals, and Metalloids**	TSW identify elements on the periodic table as metals, nonmetals, metalloids, and rare Earth elements based on their physical properties and importance to modern life	6.6(C)
5th: Sept 8-12 *(4 days)*	**Metals, Nonmetals, and Metalloid**	TSW identify elements on the periodic table as metals, nonmetals, metalloids, and rare Earth elements based on their physical properties and importance to modern life	6.6(C)
6th: Sept 14-18 *(5 days)*	**Relative Density**	TSW compare the density of substances relative to various fluids	6.6 (D)
7th: Sept 21-25 *(5 days)*	**Formation of a New Substance**	TSW identify the formation of a new substance by using the evidence of a possible chemical change, including production of a gas, change in thermal energy, production of a precipitate, and color change	6.6(E)
8th: Sept 28-Oct 2 *(5 days)*	**Review and assessment**	Review and assessment	Review
9th: Oct 5-8 **(4 days)**	**Forces on Objects**	TSW identify and explain how forces act on objects, including gravity, friction, magnetism, applied forces, and normal forces, using real-world applications	6.7(A)

2nd Quarter (43 Days)			
Resources: **Stem Scopes**			
Week	**Unit/Lesson**	**Learning Objectives**	**Reporting Categories (TEKS SEs)**
1st: Oct 14-16 *(4 days)*	**Forces on Objects**	TSW identify and explain how forces act on objects, including gravity, friction, magnetism, applied forces, and normal forces, using real-world applications	6.7(A)
2nd: Oct 19-23 *(5 days)*	**Newton's Third Law of Motion**	TSW compare and contrast gravitational, elastic, and chemical potential energies with kinetic energy	6.8 (A)
3rd: Oct 26-30 *(4 days)*	**Kinetic and Potential Energies**	TSW compare and contrast potential and kinetic energy	6.8 (A)
4th: Nov 2-6 *(5 days)*	**Energy Conservation and Transformations**	TSW describe how energy is conserved through transfers and transformations in systems such as electrical circuits, food webs, amusement park rides, or photosynthesis	6.8(B)
5th: Nov 9-13 *(5 days)*	**Energy Conservation and Transformations**	TSW describe how energy is conserved through transfers and transformations in systems such as electrical circuits, food webs, amusement park rides, or photosynthesis	6.8(B)
6th: Nov 16-20 *(5 days)*	**Transverse and Longitudinal Waves**	TSW explain how energy is transferred through transverse and longitudinal waves	6.8(C)
7th: Nov 24-28	**Thanksgiving Holiday**		
8th: Nov30-Dec 4 *(5 days)*	**Earth's Tilt and Seasons**	TSW model and illustrate how the tilted Earth revolves around the Sun, causing changes in seasons.	6.9(A)
9th: Dec 7-11 *(5 days)*	**Earth's Tilt and Seasons**	TSW model and illustrate how the tilted Earth revolves around the Sun, causing changes in seasons.	6.9(A)
10th : Dec 14-18 *(5 days)*	**2nd Benchmark**		
	Winter Break		

3rd Quarter (43 Days)			
Resources: **Stem Scopes**			
Week	**Unit/ Lesson**	**Learning Objectives**	**Reporting Categories (TEKS SEs)**
1st : Jan 5-8 *(5 days)*	**Ocean Tides**	TSW describe and predict how the positions of the Earth, Sun, and Moon cause daily, spring, and neap cycles of ocean tides due to gravitational forces	6.9(B)
2nd: Jan 11-15 *(5 days)*	**Ocean Tides**	TSW describe and predict how the positions of the Earth, Sun, and Moon cause daily, spring, and neap cycles of ocean tides due to gravitational forces	6.9(B)
3rd : Jan 19-22 *(5 days)*	**Spheres and Layers of Earth**	TSW differentiate between the biosphere, hydrosphere, atmosphere, and geosphere and identify components of each system TSW model and describe the layers of Earth, including the inner core, outer core, mantle, and crust	6.10(A) 6.10(B)
4th : Jan 25-29 *(5 days)*	**Spheres and Layers of Earth**	TSW differentiate between the biosphere, hydrosphere, atmosphere, and geosphere and identify components of each system TSW model and describe the layers of Earth, including the inner core, outer core, mantle, and crust	6.10(A) 6.10(B)
5th: Feb 1-5 *(4 days)*	**Rock Cycle and Classification**	TSW describe how metamorphic, igneous, and sedimentary rocks form and change through geologic processes in the rock cycle	6.10(C)
6th: Feb 8-12 *(5 days)*	**Rock Cycle and Classification**	TSW describe how metamorphic, igneous, and sedimentary rocks form and change through geologic processes in the rock cycle	6.10(C)
7th: Feb 16-19 *(4 days)*	**Resource Management**	TSW research and describe why resource management is important in reducing global energy poverty, malnutrition, and air and water pollution TSW explain how conservation, increased efficiency, and technology can help manage air, water, soil, and energy resources	6.11(A) 6.11(B)

3rd Quarter (43 Days)			
Resources: **Stem Scopes**			
Week	**Unit/ Lesson**	**Learning Objectives**	**Reporting Categories (TEKS SEs)**
8th : Feb 22-26 *(5 days)*	**Review and assessment**	**Review and assessment**	Review and assessment
9th: Mar 1-12 *(5 days)*	**Resource Management**	TSW research and describe why resource management is important in reducing global energy poverty, malnutrition, and air and water pollution TSW explain how conservation, increased efficiency, and technology can help manage air, water, soil, and energy resources	6.11(A) 6.11(B)
	Spring Break March 1-5		
	Ramadan Break March 8-12		

4th Quarter (46 Days)			
Resources: **StemScopes**			
Week	**Unit/ Lesson**	**Learning Objectives**	**Reporting Categories (TEKS SEs)**
1st: Mar15-19 *(5 days)*	**Organism Relationships**	TSW investigate how organisms and populations in an ecosystem depend on and may compete for biotic factors such as food and abiotic factors such as availability of light and water, range of temperatures, or soil composition TSW describe and give examples of predatory, competitive, and symbiotic relationships between organisms, including mutualism, parasitism, and commensalism	6.12(A) 6.12(B)
2nd: Mar22-26	**Organism Relationships**	TSW investigate how organisms and populations in an ecosystem depend on and may compete for biotic factors such as food and	6.12(A) 6.12(B)

4th Quarter (46 Days)			
Resources: StemScopes			
Week	**Unit/ Lesson**	**Learning Objectives**	**Reporting Categories (TEKS SEs)**
(5 days)		abiotic factors such as availability of light and water, range of temperatures, or soil composition TSW describe and give examples of predatory, competitive, and symbiotic relationships between organisms, including mutualism, parasitism, and commensalism	
3rd: Mar 29- Apr 2 *(5 days)*	**Ecosystem Organization**	TSW describe the hierarchical organization of organism, population, and community within an ecosystem	6.12(C)
4th: April 5-9 *(5 days)*	**Cell Theory**	TSW describe the historical development of cell theory and explain how organisms are composed of one or more cells, which come from pre-existing cells and are the basic unit of structure and function	6.13(A)
5th: April 12-16	**Cell Theory**	TSW describe the historical development of cell theory and explain how organisms are composed of one or more cells, which come from pre-existing cells and are the basic unit of structure and function	6.13(A)
6th: Apr 19-23 *(5 days)*	**Characteristics of Organisms**	TSW identify and compare the basic characteristics of organisms, including prokaryotic and eukaryotic, unicellular and multicellular, and autotrophic and heterotrophic	6.13(B)
7th: Apr 26-30 *(5 days)*	**Review and assessment**	STAAR TBD	Review and assessment
8th: May 3-8 *(5 days)*	**Environmental Change and Populations**	TSW describes how variations within a population can be an advantage or disadvantage to the survival of a population as environments change	6.13(C)
9th: May 10-14	**Review and assessment**	Review and assessment	Review and assessment

4th Quarter (46 Days)			
Resources: StemScopes			
Week	**Unit/ Lesson**	**Learning Objectives**	**Reporting Categories (TEKS SEs)**
(5 days)			
10th: May 19-21 3 days	**Review and assessment**	Review and assessment	Review and assessment
11th: May 24-27 *(3 days))*	**Award Ceremonies / Graduation Ceremonies**	Graduation Prep	NA