



1st Quarter (44 Days)			
Resources: Glemco Science (2015) Stem Scopes			
Week	Unit/ Lesson	Learning Objectives	Reporting Categories (TEKS SEs)
Week 1	Scientific investigation and reasoning	TSW use preventative safety equipment, including chemical splash goggles, aprons, and gloves, and be prepared to use emergency safety equipment, including an eye/face wash, a fire blanket, and a fire extinguisher	6.1,6.2,6.3,6.4
Week 2	Scientific investigation and reasoning	TSW plan and implement comparative and descriptive investigations by making observations, asking well-defined questions, and using appropriate equipment and technology	6.1,6.2,6.3,6.4
Week 3	Matter and energy	TSW know that an element is a pure substance represented by chemical symbols	6.5(A)
Week 4	Matter and energy	TSW recognize that a limited number of the many known elements comprise the largest portion of solid Earth, living matter, oceans, and the atmosphere	6.5(B)
Week 5	Matter and energy	TSW differentiate between elements and compounds on the most basic level	6.5(C)
Week 6	Matter and energy	TSW 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	6.5(D)
Week 7	Matter and energy	TSW compare metals, nonmetals, and metalloids using physical properties such as luster, conductivity, or malleability	6.6(A)
Week 8	Review and assessment	Review and assessment	Review
Week 9	Matter and energy	TSW calculate density to identify an unknown substance	6.6(B)
Week 10	Matter and energy	TSW test the physical properties of minerals, including hardness, color, luster, and streak	6.6(C)



2nd Quarter (43 Days)			
Resources: Glenco Science (2015), Stem Scopes			
Week	Unit/Lesson	Learning Objectives	Reporting Categories (TEKS SEs)
Week 1	Matter and energy	TSW research and debate the advantages and disadvantages of using coal, oil, natural gas, nuclear power, biomass, wind, hydropower, geothermal, and solar resources	6.7(A)
Week 2	Matter and energy	TSW design a logical plan to manage energy resources in the home, school, or community	6.7 (B)
Week 3	Force, Motion, and Energy	TSW compare and contrast potential and kinetic energy	6.8 (A)
Week 4	Review and assessment	IOWA/ITBS Complete Battery Gr 3-8	Review and assessment
Week 5	Force, Motion, and Energy	TSW identify and describe the changes in position, direction, and speed of an object when acted upon by unbalanced forces	6.8(B)
Week 6	Force, Motion, and Energy	TSW calculate average speed using distance and time measurements	6.8(C)
Week 7	Force, Motion, and Energy	TSW measure and graph changes in motion	6.8(D)
Week 8	Review and assessment	Review and assessment	Review and assessment
Week 9	Force, Motion, and Energy	TSW investigate methods of thermal energy transfer, including conduction, convection, and radiation	6.9(A)

3rd Quarter (43 Days)			
Resources: Glenco Science (2015), Stem Scopes			
Week	Unit/Lesson	Learning Objectives	Reporting Categories (TEKS SEs)
Week 1	Force, Motion, and Energy	TSW 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	6.9(B)
Week 2	Force, Motion, and Energy	TSW demonstrate energy transformations such as energy in a flashlight battery changes from chemical energy to electrical energy to light energy	6.9(C)



3rd Quarter (43 Days)			
Resources: Glenco Science (2015), Stem Scopes			
Week	Unit/Lesson	Learning Objectives	Reporting Categories (TEKS SEs)
Week 3	Earth and Space	TSW build a model to illustrate the structural layers of Earth, including the inner core, outer core, mantle, crust, asthenosphere, and lithosphere	6.10(A)
Week 4	Earth and Space	TSW classify rocks as metamorphic, igneous, or sedimentary by the processes of their formation	6.10(B)
Week 5	Earth and Space	TSW identify the major tectonic plates, including Eurasian, African, Indo-Australian, Pacific, North American, and South American	6.10(C)
Week 6	Earth and Space	TSW describe how plate tectonics causes major geological events such as ocean basins, earthquakes, volcanic eruptions, and mountain building	6.10(D)
Week 7	Earth and Space	TSW describe the physical properties, locations, and movements of the Sun, planets, Galilean moons, meteors, asteroids, and comets	6.11(A)
Week 8	Review and assessment	Review and assessment	Review and assessment
Week 9	Earth and Space	TSW understand that gravity is the force that governs the motion of our solar system	6.11(B)

4 th Quarter (46 Days)			
Resources: Glenco Science (2015), StemScopes			
Week	Unit/Lesson	Learning Objectives	Reporting Categories (TEKS SEs)
Week 1	Earth and Space	TSW describe the history and future of space exploration, including the types of equipment and transportation needed for space travel	6.11(C)
Week 2	Organisms and Environments	TSW understand that all organisms are composed of one or more cells	6.12(A)



4 th Quarter (46 Days)			
Resources: Glenco Science (2015), StemScopes			
Week	Unit/Lesson	Learning Objectives	Reporting Categories (TEKS SEs)
Week 3	Organisms and Environments	TSW recognize that the presence of a nucleus determines whether a cell is prokaryotic or eukaryotic	6.12(B)
Week 4	Organisms and Environments	TSW recognize that the broadest taxonomic classification of living organisms is divided into currently recognized domains	6.12(C)
Week 5	Organisms and Environments	TSW 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	6.12(D)
Week 6	Organisms and Environments	TSW describe biotic and abiotic parts of an ecosystem in which organisms interact	6.12(E)
Week 7	Review and assessment	STAAR TBD	Review and assessment
Week 8	Organisms and Environments	TSW diagram the levels of organization within an ecosystem, including organism, population, community, and ecosystem	6.12(F)
Week 9	Review and assessment	Review and assessment	Review and assessment
Week 10	Step Up To Gr 7	Dissection & Review	Review and assessment