



Essential Resources District Resources to Teach 100% of the TEKS: STEMscopes, Apex, Discovery Education, Scott & White Wellness and Sexual Health Program

Spiraled TEKS Scientific Investigations & Reasoning 8.1A & B, 8.2A, B, C & D, 8.3A, B, C & D and 8.4A & B

Timeline		1st Quarter Aug 24 - Oct 16, 2020 (38 Instructional Days)	2nd Quarter Oct 19 - Dec 18, 2020 (40 Instructional Days)
Reporting Category		Matter & Energy	Matter & Energy/ Force, Motion & Energy
Big Idea	Current Grade	Science Introduction Structure of Atoms Periodic Table Chemical Formulas	Chemical Reactions Force Motion
	Previous Grade: 7th- 4th Quarter	"All previous grade TEKS were taught prior to COVID19 Remote Learning."	Physical and Chemical Changes in Matter "All previous grade TEKS were taught prior to COVID19 Remote Learning."
TEKS	Current Grade	8.1A & B 8.2 A, B, C, D & E 8.3A, B, C & D 8.4 A & B Journals, lab safety, comparative vs. descriptive investigations, use and conservation of resources, design and implement experimental investigations, construct tables and graphs, analyze data and include history of science and contributions of scientists as it relates to content	8.5A, B, C structure of atoms, protons & valence electrons and arrangement of periodic table including groups & periods
	Previous Grade: 7th- 4th Quarter	"All previous grade TEKS were taught prior to COVID19 Remote Learning."	8.5D,E chemical formulas & subscripts and evidence of chemical reactions and law of conservation of mass 8.6A, B & C unbalanced forces change the speed or direction of an object's motion, differentiate between speed, velocity and acceleration, investigate and describe applications of Newton's three laws of motion
Timeline		3rd Quarter Jan 4 - March 12, 2021 (48 Instructional Days)	4th Quarter March 22 - May 27, 2021 (48 Instructional Days)
Reporting Category		Earth & Space	Organisms & Environments
Big Idea	Current Grade	Characteristics of the Universe Theories of Origins of the Universe Rotation and Revolution of the Earth Lunar Cycle Tides Atmospheric Movement and Weather	Role of Oceans in Weather Plate Tectonics Topographic Maps Interdependence Environmental Changes Dependence on Ocean Systems
	Previous Grade: 7th- 4th Quarter	"All previous grade TEKS were taught prior to COVID19 Remote Learning."	Impact of Natural Events Impact of Human Activity Interdependence
TEKS	Current Grade	8.8 A, B, C & D components of the universe & H-R diagram, recognize the Sun as a star located in a spiral arm of the Milky Way galaxy, identify how different wavelengths of the electromagnetic spectrum are used to gain information about components in the universe, research how scientific data are used as evidence to develop scientific theories to describe the origin of the universe 8.7A, B & C model and illustrate how the tilted Earth rotates on its axis, causing day and night and revolves around the Sun causing changes in seasons, demonstrate and predict the sequence of events in the lunar cycle, relate the positions of the Moon and Sun to their effect on ocean tides	8.10A, B & C recognize that the Sun provides the energy that drives convection within the atmosphere and oceans, producing winds, identify how global patterns of atmospheric movement influence local weather using weather maps that show high and low pressures and fronts, identify the role of the oceans in the formation of weather systems such as hurricanes 8.9A, B & C describe the historical development of evidence that supports plate tectonic theory, relate plate tectonics to the formation of crustal features, interpret topographic maps and satellite views to identify land and erosional features and predict how these features may be reshaped by weathering 8.11A, B, C describe biotic and abiotic factors as they relate to competition within an ecosystem, effects of short and long-term environmental changes on organisms & traits, and human dependence on ocean systems and how human activities have modified these systems 8th Grade STAAR Review (2 weeks) *8th Grade STAAR Test: TBD Scott & White Wellness and Sexual Health Program (2 weeks)
	Previous Grade: 7th- 4th Quarter	"All previous grade TEKS were taught prior to COVID19 Remote Learning."	7.8B, 7.8C weathering, erosion and deposition within Texas ecoregions, effect of human activity on ground & surface water, 7.10B biodiversity as it relates to sustainability of an ecosystem