



Essential Resources		District Resources to Teach 100% of the TEKS: STEMscopes and Discovery Education												
Spiraled TEKS		Scientific Investigations & Reasoning 7.1A & B, 7.2A, B, C & D, 7.3A, B, C & D and 7.4A & B												
Timeline		1st Quarter Aug 23 - Oct 15, 2021 (38 Instructional Days)						2nd Quarter Oct 19 - Dec 17, 2021 (39 Instructional Days)						
Reporting Category		Matter & Energy/ Organisms & Environments						Force, Motion & Energy/Organisms & Environments						
Big Idea	Current Grade	Science Introduction Genetic Variation Force Photosynthesis Structure and Function of Cells						Energy Transformation Physical and Chemical Changes in Matter Adaptations Organ Systems Structure and Function of Cells Reproduction and Heredity Genetic Variation						
	TEKS	7.1A & B, 7.2A, B, & D, 7.3D, 7.4A & D journals, lab safety, conservation of resources, comparative vs. descriptive investigation, design and implement experimental investigations, collect and record data using SI and qualitative means, construct tables and graphs & use appropriate tools to collect, record & analyze information	7.11A examine organisms and use dichotomous keys for identification	7.5A radiant energy from the Sun transformed into chemical energy through photosynthesis	7.12D differentiate between structure & function of plant and animal cell organelles	7.12F* recognize the components of cell theory	7.12C recognize levels of organization in plants and animals	7.7A illustrate the transformation of energy within an organism	7.7B demonstrate and illustrate forces that affect motion in organisms	7.12A investigate and explain how internal structures of organisms have adaptations that allow specific functions	7.12B identify the main functions of the systems of the human organism	7.12E compare the functions of cell organelles to the functions of an organ system	7.14AC define heredity as the passage of genetic instructions from one generation to the next generation, recognize that inherited traits of individuals are governed in genetic material	7.14B compare the results of uniform or diverse offspring from asexual or sexual reproduction
Pre-Assessing TEKS		6.1A & B, 6.2A, B & D, 6.4A and 5.1A, & B, 5.3C, & 5.4A	5.10A	5.9B	NONE	NONE	NONE	NONE	5.6D & 6.8B	NONE	NONE	NONE	NONE	NONE
Timeline		3rd Quarter Jan 4 - March 11, 2021 (47 Instructional Days)						4th Quarter March 21 - May 28, 2022 (47 Instructional Days)						
Reporting Category		Force, Motion & Energy/ Organisms & Environments/ Earth & Space						Matter & Energy/ Earth & Space						
Big Idea	Current Grade	Genetic Variation Response to Stimuli Interdependence Flow of Energy in Living Systems Interdependence Impact of Catastrophic & Natural Events on Ecosystems						Physical and Chemical Changes in Matter Impact of Human Activity Characteristics that Support Life in Space Space Exploration						
	TEKS	7.11BC explain variation within a population or species by comparing external features behaviors, or physiology of organisms that enhance their survival, identify some changes in genetic traits over several generations through natural selection and selective breeding	7.13AB investigate how organisms respond to external stimuli found in the environment, describe and relate responses in organisms that may result from internal stimuli	7.10AB* Observe and describe how different environments support different varieties of organisms, describe how biodiversity contributes to the sustainability of an ecosystem	7.5B* diagram the flow of energy through living systems	7.8A predict and describe how catastrophic events impact ecosystems	7.10C* observe, record, and describe the role of ecological succession	7.6A* physical & chemical changes in matter	7.5B* weathering, erosion and deposition within Texas ecoregions	7.8C* effect of human activity on ground & surface water	7.9A characteristics of objects in our solar system relevant to life	7.9B accommodations that enabled manned space exploration	Scott & White Wellness & Sexual Health Program	
Pre-Assessing TEKS		5.10B	NONE	5.9A, 6.12E, 6.12F, 5.9C	NONE	6.10D	5.9C	5.5C, 6.5C	5.7B	NONE	6.11A	6.11C		

Readiness standards are in bold * Standard eligible for assessment on Grade 8 STAAR