



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 7.1A & B, 7.2A, B, C & D, 7.3A, B, C & D and 7.4A & 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/Force, Motion & Energy/Organisms & Environments		Matter & Energy/Force, Motion & Energy/Organisms & Environments	
Big Idea	Current Grade	<b>Science Introduction</b> <b>Genetic Variation</b> <b>Force</b> <b>Photosynthesis</b> <b>Structure and Function of Cells</b>		<b>Energy Transformation</b> <b>Physical and Chemical Changes in Matter</b> <b>Adaptations</b> <b>Organ Systems</b> <b>Structure and Function of Cells</b> <b>Reproduction and Heredity</b> <b>Genetic Variation</b>	
	Previous Grade: 6th- 4th Quarter				
TEKS	Current Grade	<b>7.1A &amp; B</b> <b>7.2A, B &amp; D</b> <b>7.3D</b> <b>7.4 A &amp; B</b> 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	<b>7.11A</b> <b>7.5A</b> <b>7.12D, F &amp; C</b> use dichotomous keys to identify structures & organisms, radiant energy from the Sun transformed into chemical energy through photosynthesis, levels of organization in plants and animals, organisms are composed of cells and carry on similar functions, structure & function of plant and animal cell organelles, functions of cell vs. function of organism	<b>7.7A</b> <b>7.7B</b> transformation of energy within an organism, forces that affect motion in organisms (emergence of seedlings, turgor pressure geotropism & circulation of blood)	<b>7.12A, B &amp; E</b> <b>7.14A, B &amp; C</b> adaptations relevant to internal structures of organisms, functions of systems in the human organism, functions of cell organelles vs. functions of an organ system, heredity, asexual vs. sexual reproduction, inherited traits and genes
	Previous Grade: 6th- 4th Quarter	*All previous grade TEKS were taught prior to COVID19 Remote Learning.*	6.12 A, B, C & F organisms are composed of cells, prokaryotic vs. eukaryotic, taxonomic classification by Domains, levels of organization within an ecosystem	*All previous grade TEKS were taught prior to COVID19 Remote Learning.*	6.12 A, B, & D basic characteristics of organisms, organisms are composed of cells, prokaryotic vs. eukaryotic
Timeline		3rd Quarter Jan 4 - March 12, 2021 (48 Instructional Days)		4th Quarter March 22 - May 27, 2021 (48 Instructional Days)	
Reporting Category		Organisms & Environments/Force, Motion & Energy		Earth & Space	
Big Idea	Current Grade	<b>Genetic Variation</b> <b>Response to Stimuli</b> <b>Interdependence</b> <b>Flow of Energy in Living Systems</b> <b>Interdependence</b> <b>Impact of Catastrophic &amp; Natural Events on Ecosystems</b>		<b>Physical and Chemical Changes in Matter</b> <b>Impact of Human Activity</b> <b>Characteristics that Support Life in Space</b> <b>Space Exploration</b>	
	Previous Grade: 6th- 4th Quarter				
TEKS	Current Grade	<b>7.11B</b> <b>7.11C</b> <b>7.13A &amp; B</b> <b>7.10A &amp; B</b> variations within a population or species that enhance survival, changes in genetic traits over several generations through natural selection and selective breeding (Galapagos Medium Ground Finch or domestic animals and hybrid plants), fight or flight and tropisms, response in organisms that may result from internal stimuli, different environments support different varieties of organisms, biodiversity as it relates to sustainability of an ecosystem	<b>7.5B</b> <b>7.8A</b> <b>7.10C</b> flow of energy through living systems (food chain, webs and Pyramids), impact and types of catastrophic events, the role of ecological succession (microhabitat of a garden with weeds)	<b>7.6A</b> <b>7.8B &amp; C</b> <b>7.9A &amp; B</b> physical & chemical changes in matter, weathering, erosion and deposition within Texas ecoregions, effect of human activity on ground & surface water, characteristics of objects in our solar system relevant to life, accommodations that enabled manned space exploration  <b>Scott &amp; White Wellness and Sexual Health Program (2 weeks)</b>	
	Previous Grade: 6th- 4th Quarter	6.12 E & F taxonomic classification by Domains, biotic & abiotic parts of an ecosystem and levels of organization within an ecosystem	*All previous grade TEKS were taught prior to COVID19 Remote Learning.*	6.11 A physical properties, locations & movements of our solar system	