

New Braunfels ISD Year at a Glance 2021-2022														6th Grade Science														July 2021
Essential Resources		District Resources to Teach 100% of the TEKS: STEMscopes and Discovery Education																										
Spiraled TEKS		Scientific Investigations & Reasoning 6.1A & B, 6.2A, B, C & D, 6.3A, B, C & D and 6.4A & 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													Force, Motion & Energy/Earth & Space													
Big Idea		Science Introduction Chemical Change Properties of Matter Elements and Compounds													Density Energy Resources Energy Transfer Energy Transformation													
TEKS		6.1A & B, 6.2A, B & D, 6.4A journals, lab safety, conservation 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 and analyze information					6.5A-B elements represented by chemical symbols, limited number of known elements and what they comprise		6.5C elements vs. compounds		6.7A research and discuss advantages/ disadvantages of using energy resources		6.8A* compare metals, nonmetals, and metalloids using physical properties		6.8B* calculate density to identify an unknown substance		6.6C test the physical properties of minerals		6.9A-B methods of thermal energy transfer, predictable patterns of thermal energy		6.9C* energy transformations							
Pre-Assessing TEKS		5.1A, & B, 5.3C, & 5.4A and 4.1A, 4.1B, 4.3C, 4.4A					NONE		5.5C		NONE		NONE		5.5A & 4.5A		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		Earth & Space													Organisms & Environments													
Big Idea		Potential and Kinetic Energy Motion Classifying Rocks Layers of Earth Tectonic Plates Conservation of Resources													The Solar System Space Exploration Characteristics and Classification of Organisms Interdependence													
TEKS		6.8A potential vs. kinetic energy		6.8BCD changes in position, direction & speed of an object relevant to an unbalanced force, calculate average speed		6.8E inclined planes can be used to change the amount of force		6.10A compositional and mechanical layers of Earth		6.10B classifying rocks: metamorphic, igneous & sedimentary		6.10CD major tectonic plates and geological events caused by plate tectonics		6.11A physical properties, locations & movements of our solar system		6.11B* the force of gravity and motion of our solar system		6.11C history & future space exploration		6.12AB organisms are composed of cells, prokaryotic vs. eukaryotic		6.12C-D* taxonomic classification by Domains, basic characteristics of organisms		6.12EF biotic & abiotic parts of an ecosystem, levels of organization within an ecosystem		Scott & White Wellness & Sexual Health Program		
Pre-Assessing TEKS		5.6A		5.6D		NONE		NONE		5.7A		NONE		NONE		NONE		NONE		NONE		NONE		5.9A				

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