

BEAUMONT INDEPENDENT SCHOOL DISTRICT

2021 / 2022

Grade 8 Science (Overview)

NINE WEEKS 1	NINE WEEKS 2	NINE WEEKS 3	NINE WEEKS 4
<p><u>Classroom Rules</u> Champs Classroom Rules, Procedures and Expectations</p> <p><u>Science Practices</u> Safety Data, data analyzing Measuring Tools and Equipment</p> <p><u>Matter</u> Atomic Structure Subatomic particles</p> <p>Periodic Table of Elements Element Organization Periods and groups Element Category Element Reactivity Molecules and compounds Counting atoms and elements Formulas and Chemical Reactions</p>	<p><u>Classroom Rules</u> Reintroduce Champs Rules and procedures</p> <p><u>Matter</u> - Continued Formulas and Chemical Reactions . Chemical Equations</p> <p><u>Force and Motion</u> Balanced and unbalanced forces. Differentiate speed and acceleration. Newton's Laws of Motion</p> <p><u>Organisms and Environments</u> Biotic and Abiotic Factors Levels of organization within an ecosystem. Organism Interdependence Effects of environmental change.</p>	<p><u>Classroom Rules</u> Reintroduce Champs Rules and procedures</p> <p><u>Topographic Maps</u> Measuring contour intervals Map Interpretation Land feature recognition</p> <p><u>Plate Tectonics</u> Earth's layers Convection Plate Boundaries Boundary Interactions Topographic Features</p> <p><u>Earth, Moon and Sun</u> Earth's Tilt Rotation and Revolution Day and Night Earth's seasons Lunar Cycles Tides and Eclipse</p>	<p><u>Classroom Rules</u> Reintroduce Champs Rules and procedures</p> <p><u>Characteristics of the Universe</u> Hertzprung – Russell Temperature and Luminosity Star Classification The Sun Star Life cycles Galaxies</p> <p><u>Weather</u> Earth's Atmosphere Ocean Currents Wind Currents Convection Weather Symbols Weather Fronts Weather Patterns Weather Maps</p> <p><u>Category Review</u> Category 1 Category 2 Category 3 Category 4</p>