

BEAUMONT INDEPENDENT SCHOOL DISTRICT
Grade 7 Science

NINE WEEKS 1	NINE WEEKS 2	NINE WEEKS 3	NINE WEEKS 4
<p><u>Lab Safety</u> Safety procedures Safety equipment</p> <p><u>Science Practice and Investigation</u> Scientific Investigation Models Data, analyzing data</p> <p><u>Cells</u> Levels of Organization *STRUCTURE & FUNCTION IN PLANT AND ANIMAL CELL ORGANELLES *CELL THEORY</p>	<p><u>Human Organ Systems</u> *MAIN FUNCTIONS OF HUMAN ORGAN SYSTEMS Compare functions of cell organelles to the functions of an organ system</p> <p><u>Force & Motion in Organisms</u> Forces that affect motion in Organisms *PHYSICAL vs CHEMICAL CHANGES IN MATTER</p> <p><u>Energy Relationships in Organisms</u> Photosynthesis Transformation of energy within an organism *DIAGRAM THE FLOW OF ENERGY THROUGH LIVING SYSTEMS</p>	<p><u>Heredity, Reproduction , & Natural Selection</u> *CHANGES IN GENETIC TRAITS w/ NATURAL SELECTION vs SELECTIVE BREEDING Heredity *ASEXUAL vs SEXUAL REPRODUCTION *INHERITED TRAITS GOVERNED BY GENETIC MATERIAL</p> <p><u>Variation, Adaptation, and Change in Organisms</u> Variation within a population or species Structures of organisms have adaptations that allow specific functions Organism response to external stimuli Organism response to internal stimuli</p> <p><u>Dichotomous Keys</u> *EXAMINE ORGANISMS or their STRUCTURES and USE a DICHOTOMOUS KEY for IDENTIFICATION</p>	<p><u>Ecosystems, Biodiversity, & Succession</u> Different environments support different varieties of organisms *BIODIVERSITY CONTRIBUTES to the SUSTAINABILITY of an ECOSYSTEM *The ROLE of ECOLOGICAL SUCCESSION</p> <p><u>Weathering, Erosion, and Deposition; Watersheds</u> The effects of weathering, erosion, and deposition *EFFECTS of HUMAN ACTIVITY in a WATERSHED</p> <p><u>Catastrophic Events</u> Catastrophic events impact on Ecosystems</p> <p><u>Conditions for Life & Manned Space Exploration</u> Characteristics of objects in our solar system that allow life to exist Manned Space Exploration Requirements</p>

***ITEMS MARKED WITH AN ASTERISK, BOLDEE, ALL CAPPED AND HIGHLIGHTED ARE ITEMS THAT ARE TESTED ON THE 8TH GRADE TEST – STRAIGHT 7TH GRADE TEKS – STUDENTS MUST KNOW THESE AND CARRY THEM FORWARD TO THE 8TH GRADE**