



## 6<sup>th</sup> Grade

Matter and Energy	
6.5ABC	Elements and Compounds
6.5D	Formation of a New Substance
6.6A	Metals, Non-metals, Metalloids
6.6B	Density
6.6C	Minerals
6.7AB	Energy Sources
Force, Motion, and Energy	
6.8A	Potential and Kinetic Energy
6..8BCD	Changes in Force and Motion
6.8E	Inclined Planes and Pulleys
6.9AB	Thermal Energy
6.9C	Energy Transformations
Earth and Space	
6.10A	Layers of the Earth
6.10B	Classifying Rocks
6.10CD	Tectonic Plates
6.11A	Celestial Objects
6.11B	Gravity
6.11C	Space Exploration
Organisms and Environments	
6.12AB	Prokaryotic and Eukaryotic Cells
6.12CD	Classification of Organisms
6.12EF	Organization and Interactions in an Environment

## 7<sup>th</sup> Grade

Matter and Energy	
7.5A	Photosynthesis
7.5B	Cycling of Matter
7.5C	Energy Flow Through Living Systems
7.6A	Organic Compounds
7.6B	Physical and Chemical Changes
7.6C	Molecules
Force, Motion, and Energy	
7.7AC	Situations of Force
7.7B	Organism Energy Transfers
Earth and Space	
7.8A	Catastrophic Events
7.8B	Changes to Texas Land
7.8C	Watershed
7.9A	Characteristics of the Solar System
7.9B	Accommodations for Space Explorations
Organisms and Environments	
7.10ABC	Ecosystems and Environments
7.11A	Identification of Organisms
7.11BC/.12A	Adaptations of Species
7.12B	Systems of the Human Body
7.12C	Organization in Plants and Animals
7.12D	Plant and Animal Cell Organelles
7.12EF	Functions of a Cell
7.13AB	External and Internal Stimuli
7.14AC	Heredity
7.14B	Reproduction

## 8<sup>th</sup> Grade

Matter and Energy	
8.5A	Atoms
8.5B	Protons and Electrons
8.5C	Periodic Table
8.5DF	Chemical Formulas and Equations
8.5E	Chemical Reactions
Force, Motion, and Energy	
8.6A	Unbalanced Forces
8.6B	Speed, Velocity, and Acceleration
8.6C	Laws of Force and Motion
Earth and Space	
8.7A	Rotation and Revolution
8.7B	Lunar Cycle
8.7C	Ocean Tides
8.8A	Components of the Universe
8.8B	The Sun
8.8C	Electromagnetic Spectrum
8.8D	Light Years
8.8E	Origins of the Universe
8.9AB	Plate Tectonic Theory
8.9C	Erosional Features
8.10A	The Sun's Energy
8.10B	Weather Maps
8.10C	Oceans and Weather
Organisms and Environments	
8.11A	Relations in a Food Web
8.11B	Interdependence
8.11C	Environmental Changes
8.11D	Human Effect on Resources