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| **Gr** | **Earth Science** | **Life Science** | **Physical Science** |
| K | **Weather**   * Types of weather/extremes * Prep for weather * Seasons * Sunlight warms the Earth’s surface | **Plants/Animals**   * Need to grow and survive * Can change environment to meet needs * Habitat has what they need * External features   **Ecosystems/**  **Conservation**   * Humans affect the world around them * Can make choices to reduce impact | **Forces and Motion**   * Push/ Pull (different strengths) |
| 1 | **Patterns in Sky**   * Sun, Moon, Stars * Celebrations (seasonal) | **Plants/Animals**   * Teaching survival behavior to young * Biomimicry/ Adaptations * Young look like, but not exactly like, parents * External features | **Light and Sound**   * Communication * Waves/ Vibrations * Create/ Carry sound and light (blocks) * Building instruments/ light sources |
| 2 | **History of Planet Earth**   * Quick changes/ Slow Changes * Wind/ Water change shape of land * Land formations | **Plants/Animals**   * Interdependent Relationships (pollination, food chains) * Ecosystems/ Habitats | **Matter**   * Structure and Properties/ Heating and Cooling * Different properties are suited to different tastes * Reversible/ Non-reversible |
| 3 | **Weather**   * Patterns and predictions * Natural Hazards/ Prep and Survival * Climate in different regions of the world (typical weather) | **Plants and Animals**   * Reproduction is essential/ Inherited traits * Group behavior assists survival * Animals/ Plants are adapted to specific environments | **Forces and Motion**   * Objects have force interacting with it (movement or not) * Force has strength and direction * Patterns of movement can be observed and predicted * Electric/ Magnetic forces do not require contact to cause movement |
| 4 | **Earth’s Place in the Universe**   * Rock formations/ Fossils * Changes in landscape over time (earthquakes, etc.) due to Earth’s forces * Weathering/ Role of erosion * Living things affect physical characteristics of regions * maps of Earth’s features   **Earth/ Human Activity**   * Reduce impact of natural Earth processes on humans * Energy and fuels derived from natural sources affect to environment, some renewable/ some not | **Molecules to Organisms**   * Internal/ External structures serve various functions for growth, survival, behavior and reproduction * Sensory receptors: processing information (Perceptions/ Memories) | **Energy**   * Transfer of energy through light/ sound/electric currents * Conservation and transfer of energy * Relationship between energy forces * Convert energy from one form to another   **Waves**   * Transfer of information * Amplitude/ Wave length * Light reflecting makes things visible |
| 5 | **Planet Earth**   * Place in universe * Stars range in distance from Earth * Patterns of daily changes in shadows * Human Impact/ Protecting Earth’s resources * Gravitational pull * Weather and Climate/ Water Systems | **Energy**   * All energy comes from sun * Photosynthesis/ Plants need air and water * Ecosystems: food chain/webs | **Matter/ Interactions**   * Matter can be divided into * Particles of matter too small to see * Weight/ Mass/ Density * Conservation of matter |