

Montford Middle School

Science Department

Curriculum Topic Outlines

7th Grade

Earth Structures

- Layers of the Earth
- Rock Cycle
- Plate Tectonics
- Geologic Time

Forms of Energy

- Electromagnetic Spectrum
- Properties of Light, Sound, & Water Waves

Energy Transfer & Transformations

- Forms of Energy
- Thermal Energy & Energy Transformations
- Law of Conservation of Energy

Heredity & Reproduction

- DNA
- Genotype vs. Phenotype
- Punnett Squares
- Meiosis vs. Mitosis
- Biotechnology

Interdependence

- Ecosystems
- Food/Energy Webs
- Role of Humans on Ecosystems

Diversity & Evolution of Living Organisms

- Theory of Evolution
- Natural Selection & Diversity of Organisms