

7th Grade Science
Class Syllabus
(Subject to change)

This class is a comprehensive introduction to Earth and Space, Life and Physical Science. A variety of topics will be covered, leading into the 8th grade science class.

Earth and Space Science: The focus will be on weather and climate. Topics covered will include:

- biogeochemical cycles
- the effect of pollution on the environment and our clean water supply
- the water cycle and its effect on weather related phenomena
- weather conditions and what affects them
- reading weather maps
- various biomes determined by temperature and precipitation

Life Science: The focus will be to introduce the characteristics of life and cells. Topics covered will include:

- characteristics of life
- basic types/structure of cells
- cell theory
- photosynthesis
- relationships among living organisms/ecosystems
- effects of overpopulation and/or pollution and/or human interference on ecosystems

Physical Science: The focus will be to introduce matter and energy. Topics covered will include:

- conservation of matter
- potential versus kinetic energy
- forms of energy
- conservation of energy