

## Living Environment Curriculum

### 1<sup>st</sup> Quarter

- Characteristics of Life
- Scientific Method
- Basic Chemistry
  - Organic Chemical Compounds
    - Sugars, Proteins and Lipids
  - Enzymes
- Organization and Interactions in the Biosphere
  - Cycles
  - Niches
  - Energy flow (food chains / food webs)
  - Ecosystems
  - Biomes
  - Succession
  - Populations
  - Symbiosis
- Environmental Issues
  - Acid rain
  - Global warming
  - Biomagnification
  - Human Impact on the Environment

### 2<sup>nd</sup> Quarter

- Classification
- Structure and Function of Cells
- Photosynthesis
- Cellular Respiration

#### MIDTERM

On topics listed above

- Mitosis and Asexual Reproduction
- Meiosis
- Human Reproduction/ Development Sexual reproduction in Flowering Plants

### 3<sup>rd</sup> Quarter

- DNA, RNA, Protein Synthesis, Human Genome
- Genetic Engineering
- Evidence for Evolution
- Theories of Evolution /Heterotroph Hypothesis

### 4<sup>th</sup> Quarter Human Body

- Nutrition and Digestion
- Transport
- Gas Exchange
- Excretion
- Support and Locomotion
- Immunity
- Nervous System
- Chemical Regulation