**Skills**

* Make a question that is testable.
* Create a set of procedures, identify variables to control, and identify variables to test.
* Analyze data and formulate a conclusion.
* Identify when research is valid
* Introduce citation of work
* To properly use scientific method
* Communication and teamwork
* Proper use of scientific instruments and understand lab safety

**Grade 6**

*Diversity of Life*

* Classification systems (300-15)
* Vertebrates and Invertebrates (300-16)
  + Arthropods (300-18)
* Microorganisms (302-12)
  + Benefits and harms
* Adaptation and Natural Selection (301-15)

*Electricity*

* Static Electricity - Electrons and protons (303-22)
* Circuits (303-25)
* Generating Electricity (303-28)
* Transformation of Energy (303-29)

*Flight*

* Forces - Balanced and Unbalanced {(303-32), (301-18), (303-34)}
  + Lift, Drag, Propulsion, Gravity
* Bernoulli’s Principle (303-33)

*Space*

* Day and Night, season caused by Earth’s rotation (301-19)
* Position of Earth and Moon cause tides, moon phases and eclipse (301-20)
* Components of the Solar System (300-23)