

SMA 6th Grade Reworded Priority Standards 2022-2023

Nature of Science Standards:

- **SC.6.N.1** - When investigating science topics, use the scientific method to solve problems by making observations, identifying variables, experimenting, collecting and organizing data into graphs and charts, analyzing information, and defending conclusions based on evidence.
- **SC.6.N.2** - Recognize that although science cannot explain topics with 100% certainty, scientific ideas are still reliable because they are open to change as new evidence emerges, and scientists from different backgrounds contribute new understandings to our current knowledge.
- **SC.6.N.3** - Recognize, explain, and provide examples of how scientific laws and theories provide an explanation for what we understand about the natural world.

Earth Science Standards:

- **SC.6.E.6:** Describe how landforms are formed through natural processes, like weather, erosion, and deposition, and identify these landforms in Florida habitats.
- **SC.6.E.7:** Describe how weather and climate are determined through natural atmospheric cycles, and how they interact with other Earth systems, like hydrosphere, geosphere, and biosphere. Identify natural cycles within these spheres, including water and energy

Life Science Standards:

- **SC.6.L.14** - Understand that every thing on earth is made of atoms, molecules, and cells, and that cells are living organisms that undergo similar biological processes, have their own organelles and parts, make up human body tissues and systems (digestive, respiratory, circulatory, reproductive, excretory, immune, nervous, and musculoskeletal), and that specialized cells (bacteria and viruses) are responsible for human diseases and infections.
- **SC.6.L.15** - Understand that all organisms on earth are classified into distinct groups based on their distinct characteristics, and analyze how random organisms would be classified, based on their unique characteristics.

Physical Science Standards:

- **SC.6.P.11** - Students will define potential and kinetic energy, provide examples of each, and explain how energy changes forms, but is never destroyed.
- **SC.6.P.12** - Students will graph the speed of an object, using distance over time, and explain the relationship between these two quantities.
- **SC.6.P.13** - Students will explore the Law of Gravity, and understand how all forces, including unbalanced ones, can influence the speed of an object. Students will also explore electrical, and magnetic forces, which are forces that act from a distance.