

Quarter 3 Schedule: Earth & Space Science

A. The Universe

- Human space exploration
- Technology and space exploration
- The effects of space exploration on the economy and culture of Florida
- Measuring distance in space
- Our galaxy – the Milky Way
- The three types of galaxies
- The law of universal gravitation and the formation of the Solar System
- Hierarchical relationship between planets and other astronomical bodies in space

B. The Solar System

- Historical models of the Solar System
- Properties of the Sun
- The electromagnetic spectrum
- The sun and moon's impact on Earth
- The planets of our Solar System
- The study of moons
- Properties of stars

C. Earth Structures

- The history of the Earth
- The structure of Earth
- Processes that shape the Earth
- Major landforms of Florida
- Rocks and minerals

D. Earth systems and patterns

- The rock cycle
- Weather
- Influence of global patterns on local weather
- The difference between weather and climate
- Effect of the water cycle on weather/climate
- Factors that affect characteristics of different climate zones