

Curriculum Facts and Course Description

Concepts and Challenges by Globe Fearon

Grade Six: Earth Science

Students will study the structure and properties of Earth, the lithosphere, hydrosphere, atmosphere, and the Earth's relationship to other objects in space. A field trip to learn about fossil hunting is planned.

Grade Seven: Life Science

Students will study the basics of life, the variety of life, plant kingdom, animal kingdom, ecology, and the human body. Students will build cells, use microscopes and lab equipment to look at plant and animal structure, and demonstrate their understanding of the human body systems to elementary classes. A four day hands-on field trip to Newfound Harbor Marine Institute in the Keys and an encounter with manatees in Crystal River are planned.

Grade Eight: Physical Science

Students will study properties, types, and behavior of matter. They will understand and explore the Periodic Table. Students will study and demonstrate their understanding of force, motion, and energy. Students will also demonstrate their understanding of waves, sound, light, electricity, and magnetism. Student teams will float a cardboard boat with one of them in it, as well as experience and explain the principles of the rides at Busch Gardens.

SCIENCE
Where, oh where
Is that
Atom?
Hide and seek



Sixth Grade Earth Science



Students will dig for fossils, make their own fossils, make a barometer, and become a travel agent for one of our solar system objects. A science project is a special time.



Seventh Grade Life Science



Students will make a three dimensional plant or animal cell. They will explore the inside of a worm, squid, and possibly a fish. They will explore the waters of Big Pine Key and learn what we can do to save the corals.



Eighth Grade Physical Science

Students will learn to work as a team as they build a boat of cardboard. They will figure the amount of G-forces on the body as they scream on a roller coaster. They will figure out how electrical circuits work and the shocking effects of static. A chemical reaction is a must.

