

Ohio Academic Science Standards

Grades 5-8

As Addressed by Challenger Learning Center's

e-Mission: Space Station Alpha



Earth and Space Science

- Describe how the positions and motions of the objects in the universe cause predictable and cyclic events.
- Explain that the universe is composed of vast amounts of matter, most of which is at incomprehensible distances and held together by gravitational force. Describe how the universe is studied by the use of equipment such as telescopes, probes, satellites, and spacecraft.

Physical Science

- Relate uses, properties, and chemical processes to the behavior and/or arrangement of the small particles that compose matter.
- Describe that energy takes many forms, some forms represent kinetic energy, and some forms represent potential energy; and during energy transformations the total amount of energy remains constant.

Science and Technology

- Give examples of how technological advances, influenced by scientific knowledge, affect the quality of life.