

6th Grade Interactive Science Course Description

Topics include, but are not limited to:

I. Matter and energy

- A. Interactions between matter and energy
- B. Physical and chemical characteristics and changes
- C. Basic interpretations of the Periodic Table of Elements
- D. Energy resources – past, present and future
- E. Circuits and magnetism

II. Force, motion and energy

- A. Relationship between matter and motion and kinetic and potential energy
- B. Energy transformation
- C. Law of Conservation of Energy

III. Earth and space

- A. Tectonics
- B. Characteristics and dynamics of our Earth
- C. Characteristics and dynamics of our Solar System
- D. Space exploration - past, present and future

IV. Organisms and environments

- A. Cell Theory and characteristics
- B. Characteristics of organisms
- C. Taxonomy of organisms
- D. Ecology

SPECIAL NOTE:

All MS Science students at Allen Academy participate in a yearlong coastal wetlands restoration project! Throughout the year they learn about the importance and types of wetlands, harvest smooth cordgrass from a power plant canal, plant the smooth cordgrass into estuary pools on campus, monitor and manage the growing and multiplying grasses throughout the school year. Finally students harvest and plant the grasses into a damaged wetland area on Galveston Island. This project teaches students independence in data collection and analysis, responsibility, collaboration and positive teamwork as well as pride in their service to the environment.