



Jr. High School Science Core Curriculum

7th Grade Science or 7th Grade Science (H)

This course is a blend of physical, earth and space, and and life science. Students will explore how forces and motion take place within and between a wide variety of systems, from forces on individual objects to the forces that shape our earth. Students will develop and undertaking of the role of heat energy in warming the Earth and driving cycles of weather and climate. Students will develop an understanding of how energy from the Sun is transferred through ecosystems and how organisms' internal structures and processes maintain homeostasis. A major emphasis will be on developing skills necessary for scientific inquiry and literacy.

Grade: 8

Length: 2 Semesters

Prerequisite: None

8th Grade Science or 8th Grade Science (H)

This course is a blend of physical, earth and space, and and life science. Students will explore chemical properties and chemical reactions to further understand energy and matter. Students will explore natural and human-induced changes in Earths systems over time. Students will develop an understanding of patterns and how genetic information is passed from generation to generation. They also develop the understanding of how trains within a population change over time. A major emphasis will be on developing skills necessary for scientific inquiry and literacy.

Grade: 8

Length: 2 Semesters

Prerequisite: None