

Syllabus

8th grade Science

Course Description

The primary focus of eighth grade science is to study the impact humans have in the areas of physical science and environmental awareness studies. You will be exposed to the interactions between matter and energy in an introductory study of physics and chemistry. We will also identify the available sources of energy and will consider the effects of technological development on natural resources. Using laboratory investigations, research, current issues, historical discoveries, and guided inquiry we will provide an overview of the flow of energy through these various disciplines.

Overview of Content

1 st ~ Semester	2 nd ~ Semester
<p><u>Introduction to Physics</u></p> <ul style="list-style-type: none">• Nature of Science• Measurement• Motion and Momentum• Forces and Newton's Laws• Energy and Energy Transformations• Work and Simple Machines <p><u>Literature in Science</u></p>	<p><u>Introduction to Chemistry</u></p> <ul style="list-style-type: none">• Atoms, Elements, and the Periodic Table• States of Matter• Matter Properties and Changes• Atomic Structure and Chemical Bonds• Chemical Reactions• Substances, Mixtures, and Solubility <p><u>Science, Technology, and Society</u></p> <ul style="list-style-type: none">• Environmental Awareness Studies• Energy and Energy Resources

Resource

Introduction to Physical Science. Glencoe/McGraw-Hill, 2008.
ISBN: 978-0-07-877804-9