



Fernbank Science Center

Title: Adventurous Science (4329)
Level: 3rd year
Location: Local School

Type: Outreach
Length: 55 minutes
Limit: One class/period

Program Description

This program is designed to provide students with an enrichment activity in physical science. The program will offer students a hands-on science activity that uses science concepts that are being taught in the upcoming school year. This program is offered in May after the CRCT. The sun is the major player in this program. The electromagnetic spectrum includes all types of light energy – visible light, radio waves, x-rays, infrared and UV, (ultraviolet light). Students will explore some of the different properties of light energy in this fun program.

Objectives

The students will:

- 1) S2P1 Students will identify sources of energy and how energy is used.
- 2) S3P1c Investigate the transfer of energy from the sun to various materials
- 3) Explore physical properties and chemical properties of different materials;

Vocabulary

Energy

Ultraviolet

Visible

Heat

Radiation

Electromagnetic spectrum

Light

Waves

Insulation

Pre-Visit Activities

This program is a preview of Georgia science standards for 4th grade. Prior to the visit, have a discussion with students about what sources of energy the sun provides, and how heat moves through materials.

Resources: AIM 4th grade physical science pp 13-93.