



ENERGY QUEST: LIGHT

DESCRIPTION

Enhance your students' understanding of the nature of light with this "enlightening" program, which introduces light as a form of energy. Students will conduct hands-on experiments into the properties of light, how it is affected by lenses, mirrors, and prisms, and explore concepts such as refraction, reflection, absorption, opaque, translucent and transparent. Program will run for 90 minutes.

REVISED 07.22.22

HOMESCHOOL

30 MINUTES – INTRODUCTION IN THEATER

- Introduce characteristics of light
- Demonstration of properties of light using a laser

30 MINUTES - LAB

- Explore the properties of both colored and white light, and how reflections change using various types of mirrors (concave, convex and plane)
- Investigate the creation of white light using colored light, as well as using various lens shapes to determine their appropriate use
- Test the effects everyday objects have on light

30 MINUTES - GALLERY TIME

- Visit and explore Collins Family My Big Backyard focusing on the greenhouse and light activities

TAKE HOME ITEMS

- Blue filter glasses with "secret" riddle card

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