

# **ASTRONOMY-TO-GO**

## **The John J. McCarthy Observatory**

**LESSON:** Properties of Light and Color **(1)**

**CURRICULUM:** Grade 4: (CT Standard. 5.1) Sound and light are forms of energy

**GUEST INSTRUCTOR:** Roger Moore

**TIME:** About 45 minutes

**LOCATION:** Planetarium

**TEACHING AIDS:** Light source, prism, color filters, solar fan, fiber optic light, condensing lens, mirror, materials of varying transmission, small water tank

**DESCRIPTION:** Investigation/Inquiry

Properties of light will be investigated, including: reflection, refraction, scattering, and absorption. Basic concepts of vision including farsighted/nearsighted. Where appropriate, learning of these topics will be reinforced with their applications to astronomy.

**ASSESSMENT:** Q and A period after, optional mini-quiz.