

## ***Light Years From Andromeda***

### Science Education Content

***Light Years from Andromeda*** focuses on light, with light, the concept of light speed, and the distance measurement unit of the light-year all as tools of astronomical exploration. These concepts are woven together along with historical and cultural perceptions of the sky and help relate the information presented in the show to the lives of students, families, and the general public.

Show content is relevant in the following subject areas:

#### **Earth and Space Sciences:**

- objects in the sky: Sun, Moon, stars, planets, galaxies, quasars, interstellar medium
- properties of stars
- creation of the universe (the Big Bang)

#### **Physical Science:**

- light, light speed, light-year as a measurement unit
- light as a probe of stellar properties

#### **Science as a human endeavor:**

- early maps of the sky
- rise of scientific exploration of the universe
- missions to the Moon, solar system probes
- development of the modern science of astronomy
- early human history, cultures, and perceptions of the sky

This show adheres to principles put forth in the National Academy of Sciences' Education Standards published in 1996. For more details, visit the [NAS Standards Web site](#).