

High School Standards

Big Astronomy

It takes a lot of people with many backgrounds, talents and skills to run a world-class observatory. Meet a few of these people as they share the wonder of the sky- and the excitement of discovery.

Explore the world-class observatories nestled in the Andes Mountain and learn why Chile, with its beautiful mountain ranges and clear, cloudless skies create an ideal environment for studying the cosmos.

Extend the learning through live conversations with observatory staff, exclusive behind-the-scenes footage, educational activities, and ongoing science experiments all on our website at bigastronomy.org. Big Astronomy covers these Ohio Education Standards:

Physical Science

ENERGY AND WAVES

Waves

- Refraction, reflection, diffraction, absorption, superposition
- Radiant energy and the electromagnetic spectrum

THE UNIVERSE

History of the universe

Stars

Environmental Science

EARTH SYSTEMS: INTERCONNECTED SPHERES OF EARTH

Atmosphere

- Atmospheric properties

Lithosphere

- Geologic events and processes

Physical Geology

PLATE TECTONICS

Structure of Earth

- Gravity

Physics

FORCES, MOMENTUM AND MOTION

Gravitational force and fields

Centripetal forces and circular motion

WAVES

Light phenomena

- Visible spectrum and color