

NASA CORE Materials

At the NASA CORE (Central Operation of Resources For Educators) Website you can order free NASA videos and other educational materials.
<http://core.nasa.gov>

Videocassette General

Colors of the Sun

The visible spectrum is only part of what the Sun emits within the electromagnetic spectrum. Study how astronomers use technology to learn more about objects that are far away.

Ulysses: An Expedition Over the Sun's Poles

Learn about the discoveries made by the Ulysses spacecraft. Video includes an educator guide.

Ulysses: A Voyage to The Sun

Based on information obtained from Skylab, this program describes the joint mission to explore the Sun's atmosphere.

Earth-Sun Relationship

This animated presentation includes the formation of the Sun and planets, the death of a star, and how NASA's space probes discovered the Van Allen Belt.

Partnership Into Space: Mission Helios

Follow the development and launch of Helios, which orbited the Sun closer than any human-made object to date.

BLACKOUT! Solar Storms and Their Effects on Planet Earth

Follow the path of solar storms – in 3-D animation – as they travel from the Sun to Earth. Produced and written by an educator for the typical middle school student.

Images of Earth and Space II

Take a video field trip to the solar system and outer space that includes the study of magnetic fields, El Nino, ocean currents, an asteroid collision, the surface of Mars, and a titanic explosion in a binary neutron star system.

Comet Halley Returns

Study the comet's 1985-86 rendezvous with Earth and the Sun and learn about its next visit to our vicinity.

Sun Splash Ozone Video

Computer graphics and animation illustrate ozone depletion and how ozone protects us from ultraviolet radiation.

Station Reel Time Two-Part Series

Learn how electricity will be generated on the International Space Station, the largest structure ever built in space.

Space Flight: The Application of Orbital Mechanics

Animation interspersed with footage from Shuttle missions explains planetary motion and orbital mechanics in detail.

Ulysses: Encounter With Jupiter

Travel with Ulysses in this computer-animated scenario of the spacecraft's 10-day tour of Jupiter on its way to the Sun.

Videocassette Series

Episode 1: Our Star the Sun

Three Skylab missions of the 1970s provide the data for this analysis of the physical and chemical composition of the Sun.

30-Part Series Condensed Onto Four Video Cassettes

Uncover new insights into the size, formation, and makeup of the universe that complement existing physics and earth science curricula. Set includes a 90-page educator's guide.

Episode 11: Universe

Visit the planets – with emphasis on Mars and Jupiter – and explore the solar system: galaxies, nebulae, pulsars, black holes, and the Sun.

Computer Materials

The Dynamic Sun

Study the Sun and its effects on Earth with this CD-ROM multimedia presentation that includes Sun study projects.

Apollo 12 The NASA Mission Reports

Follow the Apollo 12 crew to the Moon in this detailed overview that includes over 2,100 photographs and five QuickTime panoramas. This material is highly technical and not intended for general audiences.

PCs in Space

Encourage student interest in space exploration with these free Internet materials. For more information, visit <http://musp.gsfc.nasa.gov/pcinspace.html>.

Views of the Solar System

The National Science Educators Association offers this multimedia collection of astronomical facts and activities. Preview the CD-ROM at <http://www.nsta.org/pubs/special/pb128x.htm>.

