

Oceans in Space

Science Education Content

Oceans in Space provides an educational focus on the search for extrasolar planets and life in the universe via a set of multidisciplinary themes woven throughout the program that help relate the information presented in the show to the lives of students, families, and the general public.

Show content is relevant in these subject areas:

Earth and Space sciences:

- the origin and evolution of the solar system
- characteristics of Earth
- characteristics of Mars; evolution of Mars surface
- comparative planetology between Earth, Mars, and Europa
- Earth's oceans, their formation and effect on life, climate, and geological processes
- Martian meteorite analyses
- characteristics of Europa
- the formation of other stars and planetary systems
- the detection of planetary systems around other stars

Life sciences:

- the evolution of primordial life
- organisms and their environments on Earth
- the search for similar environments elsewhere
- requirements to sustain life (water, warmth, organic material)

Science as a human endeavor:

- exploring the undersea environment with specialized probes
- exploring Mars with telescopes and spacecraft
- exploring Europa with spacecraft
- exploring space with Hubble Space Telescope
- future missions to other planets to search for life

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 at:
<http://books.nap.edu/html/nses/html/index.html>.**