

EYES ON THE SKY

SPACE ACTIVITIES FOR THE CLASSROOM

Write an overview of Discovery's STS-119 mission

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....



The STS-119 astronauts are taking special items into orbit that mean a lot to them, but also many that are symbolic of larger causes, goals and expectations. List some of these objects:

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

What is causing the delay of Discovery's STS-119 mission?

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....



Four spacewalks have been planned during Discovery's STS-119 mission to the International Space Station. What will be accomplished during these walks?

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

Students have the opportunity to pose questions to astronauts aboard the International Space Station (ISS) during the STS-119 mission. List some questions that you would like to ask. Post your best question online. See Space Station Q&A www.channelone.com/news/space-station-q-a

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

Astronauts who work outside the space shuttle wear an Extravehicular Mobility Unit or EMU. Explain how the EMU protects astronauts from harm in space.

.....

.....

.....

.....

.....

.....

.....

.....

.....

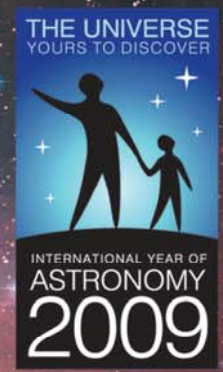
.....

Be part of history - help NASA name the next Space Station module.

NASA is asking you to help name the International Space Station's next module - a control tower for robotics in space and the world's ultimate observation deck. Individuals can vote for the module's name online, choosing one of four NASA suggestions - Earthrise, Legacy, Serenity or Venture - or writing in a name. Submissions will be accepted until March 20. Vote online at www.nasa.gov/externalflash/name_ISS/index.html

Links to use for research

- STS-119 Mission www.nasa.gov/mission_pages/shuttle/shuttlemissions/sts119/index.html
- The Space Shuttle Extravehicular Mobility Unit (EMU) www.quest.nasa.gov/space/teachers/suited/Semu1.html
- NASA www.nasa.gov
- NASA Countdown www.nasa.gov/mission_pages/shuttle/launch/countdown101.html
- STS-119 Latest News www.nasa.gov/mission_pages/shuttle/main/index.html
- STS-119 Interactive Mission Timeline www.nasa.gov/externalflash/STS119_flash/
- Astronauts' Diverse Backgrounds Reflected in Orbital Souvenirs www.nasa.gov/mission_pages/shuttle/behindscenes/whatsgoingup119.html
- All links available on [Headst@rt site](mailto:Headst@rt.site) www.couriermail.com.au/headstart



This striking image of the Horsehead Nebula was created by photographer David Malin from images captured by the UK Schmidt telescope at the Anglo-Australian Observatory at Siding Spring in New South Wales. The brightest star in this image is zeta Orionis which can be seen by naked eye. It is the easternmost star in the three which form Orion's belt which is also known as 'the Saucerpan' in Australia.

400 years ago Galileo turned a telescope to the sky
40 years ago Neil Armstrong walked on the Moon

Rediscover the night sky at hundreds of school and public events around the country as we celebrate the International Year of Astronomy

More information at www.astronomy2009.org.au

The International Year of Astronomy 2009 is a global effort initiated by the International Astronomical Union and UNESCO to help the citizens of the world rediscover their place in the Universe through the day and night-time sky, and thereby engage a personal sense of wonder and discovery.

The Year aims to help everyone realise the impact that astronomy and other fundamental sciences have on our daily lives, and understand how scientific knowledge can contribute to a more equitable and peaceful society.

- Goals of the Year
- Increase scientific awareness.
 - Promote widespread access to new knowledge and observing experiences.
 - Empower astronomical communities in developing countries.
 - Support and improve formal and informal science education.
 - Provide a modern image of science and scientists.
 - Facilitate new networks and strengthen existing ones.
 - Improve the gender-balanced representation of scientists at all levels and promote greater involvement by underrepresented minorities in scientific and engineering careers.
 - Facilitate the preservation and protection of the world's cultural and natural heritage of dark skies in places such as urban oases, national parks and astronomical sites.



Australian Government
Department of Innovation, Industry, Science and Research
Supporting the Year in Australia

