

LIVING AND WORKING IN SPACE

EYES ON THE SKIES



INTERNATIONAL SPACE STATION

The ISS is the largest artificial satellite in Earth orbit. Research to learn



What is the average speed of the ISS?

How many orbits of the Earth are made daily?

What is the primary purpose of the ISS?

List some of the countries involved in the ISS project.

What is the crew capacity of the ISS?

Other interesting facts that you have found:

"The only way of finding the limits of the possible is by going beyond them into the impossible."

Arthur C. Clarke, British science fiction author, inventor, and futurist, most famous for the novel 2001: A Space Odyssey



SPACE STATION HISTORY

The Soviet Union launched the world's first space station, Salyut 1, on April 19, 1971. Briefly describe some of the achievements of the following space station projects.

Salyut 1

Salyut 7



Mir

Skylab



SPACE SHUTTLE MENU

Devise a daily menu for the astronauts on board the space shuttle. List of available items to choose from can be found at Food for spaceflight www.spaceflight.nasa.gov/shuttle/reference/factsheets/food.html

Breakfast

Lunch

Dinner

TYPES OF SPACE FOOD

There are different categories of food available to astronauts including fresh and frozen foods. Explain the following types of food:

Rehydratable food

Thermostabilised food

Irradiated food

MICROGRAVITY

What is microgravity?

How does microgravity physically affect an astronaut's body?

RESEARCH LINKS

Take an orbital tour of the ISS www.nasa.gov/mission_pages/station/main/index.html

Assembly of the ISS www.shuttlepresskit.com/ISS_OVR/early_assembly.htm

WORKING IN SPACE

Astronauts often conduct unusual tests in space. Japanese astronaut Koichi Wakata is involved in a number of experiments including an attempt to emulate Aladdin by flying on a carpet in zero gravity and flying a boomerang. Summarise some of the other experiments that will be conducted on the ISS this year.

