

# LIVE IN SPACE

1 ▶ How would you like to live three hundred and sixty kilometers above the Earth, flying at almost thirty thousand kilometres an hour through dark, airless space? Well, that's exactly how the astronauts working on the giant International Space Station (ISS) live. 'Cool!' you might say. Well... maybe. Let's take a look at what it's really like to live in space.

2 ▶ Living in zero gravity means doing lots of things differently. First of all, you can forget about having a nice hot shower in the morning, as the water droplets would simply float away. Astronauts have to use a vacuum hose to wash with. Also, when muscles don't have to work against gravity as they do here on Earth, they go soft. So the residents of the ISS actually spend 2 hours a day working out on exercise bikes and rowing machines.

3 ▶ There's no escape from household chores on the ISS. As dangerous bacteria grow quickly in zero gravity, the astronauts clean the whole station every day, which is about the size of a football pitch! Also the lack of gravity makes the simplest things in life

seem quite weird! Take eating for example, to stop their meals floating away, astronauts have to 'post' food packages into a special tray and then strap the tray to their legs. At least there's no washing up to do, though. The astronauts simply put their dirty dishes and rubbish into plastic bags and send them back to Earth.

4 ▶ When it comes to sleeping, there's no need for a bedroom! The astronauts could sleep anywhere, but they can't risk bumping into any computer controls so they strap themselves into a sleeping bag on the wall. It's a truly relaxing experience, as nothing presses against the skin. It's important to cover your eyes, however, to block out the light of the sun as the sun rises and sets every 45 minutes when you are orbiting the Earth.

5 ▶ So, when astronauts aren't doing experiments or chores or repairing equipment, do they get any free time? Well, a little! They often send emails back home, read books or watch movies, but most of all they like to stare out of the window and take pictures of their real home, Earth!



# Answer the questions

How do the astronauts spend their free time?

They often send emails back home, read books or watch movies.

They often dance or meet with their family.

Why do they have to clean the whole station every day?

... because the dangerous bacteria grow quickly in zero gravity.

... because the dangerous plants grow quickly in zero gravity

How do they eat?

They post food packages into a special tray.

They eat with spoon and knife.

In what way do they keep fit?

They spend two hours a day working out on exercise bikes and rowing boats.

They spend two hours a day running around ISS.

What can you say about the way they sleep?

They strap themselves into a sleeping bag.

They sleep in a big bed.

How often do they see sun rise and set?

Every forty five minutes.

Every thirty five minutes.