The Space Twins
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find out, the Kellys will undergo a series of tests during and after Scott's journey to space. Researchers will measure and compare the health of their hearts, muscles, and bones. They will also monitor Scott's moods and stress levels to see how he deals with being away from family and friends for so long.

A Year in Space

Scott Kelly won't be alone during his year away from Earth. On March 27, he'll travel to the ISS aboard a Russian spacecraft with two astronauts from Russia. Kelly and Mikhail Kornienko will stay there until March 2016. During that time, the third crew member will return home and be replaced by rotating teams of other astronauts.

Although Mark Kelly won't be going into space, he has a good idea of what life will be like for his brother. Mark visited space four times before retiring in 2011. Though he'll remain on Earth. Mark is proud to be part of such an important mission.

"This is the next step into expanding our knowledge of what it takes to keep people healthy in this kind of environment," says Mark. "In time. I think we could create a road map to get to Mars."

-by Lindsay Lowe

Words to Know

unprecedented (un-PRESS-ihden-tihd) adjective. never done or known before

impaired (im-PAYRD) adjective. weakened or damaged

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Astronauts often spend months living on the International Space Station (ISS). Their jobs include conducting experiments and making repairs to the station. Doing almost anything, even everyday tasks, is tricky when you're floating around in space.

Eating

Life on the ISS

Meals mostly come in cans or sealed pouches that can be heated in the station's ovens. The ISS has no refrigerators or freezers, so astronauts can't have ice cream. But they do get to enjoy other treats, like M&M's (left, flogting near Scott Kelly).

Sleeping

At bedtime, astronauts climb into special sleeping bags that hook onto the wall. This stops them from floating around. "It's really weird," says Mark Kelly. "Because there's no up or down, there's no rolling over."

Washing

The ISS has no sinks, showers, or running water of any kind. To wash up, astronauts use prefilled packets of water. They wash their hair with a special dry shampoo that doesn't require rinsing (left).

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