



1

00:00:08,440 --> 00:00:12,559

Well hello from the International Space Station!

2

00:00:12,559 --> 00:00:17,689

I'm astronaut Butch Wilmore.

And it may not look like it, but I'm actually

3

00:00:17,689 --> 00:00:22,960

orbiting the Earth at almost 18,000 miles  
per hour!

4

00:00:22,960 --> 00:00:24,960

What does it mean to orbit something?

5

00:00:24,960 --> 00:00:32,720

Well, O is for orbit—the path of a spacecraft  
as it goes around a star, a planet or a moon.

6

00:00:33,260 --> 00:00:40,280

And right now, I'm orbiting the Earth in the  
International Space Station, a laboratory in space!

7

00:00:40,859 --> 00:00:46,359

When I look out my window, I can see the moon  
and satellites circling the Earth.

8

00:00:46,359 --> 00:00:52,670

NASA astronauts onboard the station are living  
and working in space to learn about our planet

9

00:00:52,670 --> 00:00:57,790

and conduct science and help us get ready  
for missions to other places in the solar system!

10

00:00:57,829 --> 00:01:03,429

The work I do in Earth's orbit will help  
astronauts get to the moon, asteroids and even Mars!

11

00:01:03,699 --> 00:01:08,140

Soon, NASA's new spacecraft will be orbiting the Earth.

12

00:01:08,140 --> 00:01:17,940

O is for Orion. And Orion will zoom past the ISS and orbit the planet 3,600 miles above the Earth's surface.