A LABORATORY IN SPACE

THE INTERNATIONAL SPACE STATION

1
00:00:01,350 --> 00:00:03,960
The international space
station is a state-of-the-art

2
00:00:04,010 --> 00:00:07,130
microgravity laboratory that
is unlocking discoveries,

3
00:00:07,130 --> 00:00:09,630
not possible on Earth
and helping us push

4
00:00:09,630 --> 00:00:11,280
farther into deep space.

5
00:00:11,780 --> 00:00:14,630
Every single day, we are
answering big questions

6
00:00:14,660 --> 00:00:17,600
about earth and about space,
about where we came from

7
00:00:17,600 --> 00:00:18,650
and about where we're going.

8
00:00:19,100 --> 00:00:20,930
But the other thing that
we're doing is we're learning

9
00:00:20,930 --> 00:00:22,280
more questions just to ask.

10
00:00:26,480 --> 00:00:28,369
Microgravity turns,
almost everything

11
00:00:28,369 --> 00:00:29,780
we know upside down.

12
00:00:30,619 --> 00:00:32,630
Liquids behave
completely differently.

13
00:00:33,320 --> 00:00:34,880
Fire burns in new ways.

14
00:00:36,165 --> 00:00:38,715
Biological systems,
reveal surprises.

15
00:00:39,125 --> 00:00:41,555
There's a few things that may
have made me gasp out loud

16
00:00:41,555 --> 00:00:42,665
up onboard space station.

17
00:00:42,695 --> 00:00:44,525
Watching heart cells
actually beat has

18
00:00:44,525 --> 00:00:45,515
been a pretty big one.

19
00:00:46,565 --> 00:00:49,195
We're studying ways to
grow food in microgravity.

20
00:00:50,015 --> 00:00:54,015
I gotta tell you these,
uh, are pretty amazing.

21
00:00:54,585 --> 00:00:57,275
We're learning how human
bodies react to life in

22
00:00:57,275 --> 00:01:00,005

space and how to keep
crew members safe and

23
00:01:00,005 --> 00:01:02,645
strong on long-duration
exploration missions.

24
00:01:03,449 --> 00:01:04,739
Dead lifts are
awesome on Earth.

25
00:01:04,860 --> 00:01:07,229
They're also awesome
in zero gravity.

26
00:01:08,250 --> 00:01:10,710
We're testing technologies
that will be critical to

27
00:01:10,710 --> 00:01:13,380
our return, to the moon
and great leap to Mars.

28
00:01:15,350 --> 00:01:18,560
Our research has contributed
to medical and social benefits

29
00:01:18,560 --> 00:01:21,710
on our home planet, allowing
us to find new ways to

30
00:01:21,710 --> 00:01:25,220
combat disease back on Earth
and develop technologies

31
00:01:25,220 --> 00:01:27,570
to deliver clean water, to
remote communities in need.

32
00:01:27,570 --> 00:01:33,440

The spectacular vantage
point of more than 200

33
00:01:33,440 --> 00:01:36,285
miles above our planet
supports our monitoring of

34
00:01:36,315 --> 00:01:39,675
Earth's climate, natural
disasters and plant life.

35
00:01:40,055 --> 00:01:41,995
I can't begin to describe
some of the sites

36
00:01:41,995 --> 00:01:42,995
that you get to see.

37
00:01:43,085 --> 00:01:44,915
It's just an incredible
view of our planet

38
00:01:44,915 --> 00:01:45,655
that we have from here.

39
00:01:47,455 --> 00:01:49,055
The growing new space economy.

40
00:01:49,175 --> 00:01:51,455
So vital to our
continued progress in

41
00:01:51,455 --> 00:01:53,725
space is flourishing
and low-Earth orbit.

42
00:01:56,285 --> 00:01:59,045
We're inspiring future
generations from a

43
00:01:59,045 --> 00:02:01,715
platform that is one of
the largest international

44
00:02:01,745 --> 00:02:03,275
collaborations of our time.