



SCIENCE at
17,500
MILES PER HOUR

1
00:00:00,880 --> 00:00:01,440

[music]

2
00:00:01,440 --> 00:00:06,960

The International Space Station is a state-of-the-art microgravity laboratory

3
00:00:06,960 --> 00:00:10,480

that is unlocking discoveries not possible on Earth

4
00:00:10,480 --> 00:00:13,440

and helping us push farther into deep space.

5
00:00:13,440 --> 00:00:18,980

Microgravity turns almost everything we know upside down.

6
00:00:18,980 --> 00:00:23,380

Liquids behave completely differently.

7
00:00:24,540 --> 00:00:27,820

Fire burns in new ways.

8
00:00:27,820 --> 00:00:33,160

Biological systems reveal surprises.

9
00:00:33,180 --> 00:00:39,620

We're learning how human bodies react to life in space,

10
00:00:39,620 --> 00:00:47,380

and how to keep crew members safe and strong on long-duration exploration missions.

11
00:00:47,380 --> 00:00:52,340

We're studying ways to grow food in microgravity.

12
00:00:52,340 --> 00:00:59,280

We're testing technologies that could hold the key to better, safer space travel.

13
00:00:59,280 --> 00:01:04,720

Microgravity is allowing us to find new ways to combat disease back on Earth.

14

00:01:04,720 --> 00:01:10,940

Our research is contributing to medical and social benefits on our home planet,

15

00:01:10,940 --> 00:01:17,020

as well as stimulating a growing new space economy.

16

00:01:17,020 --> 00:01:23,220

The vantage point of 240 miles up gives us spectacular opportunities for studying our planet.

17

00:01:23,400 --> 00:01:27,940

We're inspiring future generations,

18

00:01:27,940 --> 00:01:35,620

from a platform that is one of the largest international collaborations of our time.

19

00:01:35,620 --> 00:01:41,140

We're doing science at 17,500 miles per hour.