



1
00:00:01,040 --> 00:00:05,810

Our nation is busy preparing for an exciting journey to Mars.

2
00:00:05,810 --> 00:00:09,780

To live on another planet independent of Earth, we need to prove the systems that will take

3
00:00:09,780 --> 00:00:13,170

us there.

4
00:00:13,170 --> 00:00:17,700

That's why we are building the world's most powerful rocket the Space Launch System

5
00:00:17,700 --> 00:00:20,250

and the infrastructure to launch it.

6
00:00:20,250 --> 00:00:26,579

And we're testing Orion, the spacecraft designed to take humans farther than we've ever gone before.

7
00:00:26,580 --> 00:00:28,880

It won't be an easy journey.

8
00:00:28,890 --> 00:00:32,640

That's why scientists on Earth and astronauts in space are trying to find answers

9
00:00:32,640 --> 00:00:36,410

to the challenges of long-duration spaceflight.

10
00:00:36,410 --> 00:00:40,660

Cutting-edge research on the International Space Station is on the verge of a major boost

11
00:00:40,660 --> 00:00:45,810

that will double the time to conduct science by adding an additional crew member.

12
00:00:45,810 --> 00:00:50,530
Riding on commercial crew spacecraft assembled
at NASA's Kennedy Space Center in Florida

13
00:00:50,530 --> 00:00:53,120
from parts made all over America,

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00:00:53,120 --> 00:00:57,670
astronauts will leave Earth for months at
a time to conduct that critical research

15
00:00:57,670 --> 00:00:59,800
on the orbiting laboratory.

16
00:00:59,800 --> 00:01:05,580
The Red Planet is a destination for future
crews, many of whom are still in school,

17
00:01:05,580 --> 00:01:11,190
who may be taking their first flying lesson
today or starting their first scientific investigation.

18
00:01:11,190 --> 00:01:17,340
With the science under way today and coming
up with the help of commercial transportation systems,