



TECHNOLOGY

EXPLORATION

SCIENCE

SPACE STATION

SPACE LAUNCH SYSTEM (SLS)

ORBITERS

LANDERS

COMMERCIAL CARGO AND CREW

ORION

SOLAR ELECTRIC PROPULSION

ASTEROID REDIRECT MISSION

IN-SPACE HABITAT

MARS TRANSFER SPACECRAFT

1
00:00:00,000 --> 00:00:02,500
[subtle piano music]

2
00:00:02,600 --> 00:00:06,500
For the first time since the Apollo moon landings,

3
00:00:06,600 --> 00:00:11,000
NASA is preparing to send astronauts beyond Earth orbit,

4
00:00:12,000 --> 00:00:17,000
and this time, the mission is the most ambitious we have ever undertaken –

5
00:00:18,500 --> 00:00:21,000
The Journey to Mars.

6
00:00:22,000 --> 00:00:32,000
[inspiring music]

7
00:00:33,000 --> 00:00:37,500
Carrying out this journey will require bringing together the best of our efforts,

8
00:00:38,000 --> 00:00:42,800
from robotic probes to technology development to astronauts in orbit

9
00:00:43,000 --> 00:00:46,000
to robust new space vehicles.

10
00:00:46,500 --> 00:00:51,400
The Journey is already underway, right here, right now!

11
00:00:51,500 --> 00:00:55,900
Astronauts aboard the International Space Station are learning more about

12
00:00:56,000 --> 00:00:58,100
living and working in space for long periods of time,

13
00:00:58,200 --> 00:01:03,000

vital information for the challenging trip to Mars.

14

00:01:03,500 --> 00:01:07,500

Transportation to and from the Station will be provided

15

00:01:07,600 --> 00:01:11,800

by our American Commercial Cargo and Crew partners.

16

00:01:12,000 --> 00:01:17,000

Next, using the Orion crew vehicle and the powerful Space Launch System rocket,

17

00:01:17,100 --> 00:01:23,700

NASA will move into the Proving Ground of space around and beyond the moon.

18

00:01:23,800 --> 00:01:27,000

Here, we will carry out increasingly ambitious missions

19

00:01:27,100 --> 00:01:31,200

to test out new systems and capabilities needed to reach Mars,

20

00:01:31,300 --> 00:01:36,000

like deep-space habitats and advanced propulsion systems.

21

00:01:38,000 --> 00:01:44,000

Even as we speak, our robotic scouts are already exploring the Red Planet,

22

00:01:44,100 --> 00:01:47,500

preparing the way for astronauts to join them.

23

00:01:49,500 --> 00:01:53,000

Once we have matured our capabilities in the Proving Ground,

24

00:01:53,100 --> 00:01:56,000

we'll be ready for Earth Independence –

25

00:01:56,100 --> 00:02:01,200

reaching our nearest planetary neighbor not just as temporary visitors,

