

The background is a dark blue space scene. In the top left, a small Earth is visible. In the top center, a satellite with solar panels is shown. In the bottom right, a large, cratered Mars is partially visible. On the left side, an astronaut in a white suit with a NASA logo is shown from the chest up, wearing a white helmet with a gold visor.

SO YOU WANT TO GO TO **MARS?** EPISODE 3

**HOW DO WE SEND  
HUMANS TO**

**DEEP SPACE?**

1  
00:00:00,767 --> 00:00:03,636  
>> SO YOU WANT TO GO TO MARS?

2  
00:00:03,636 --> 00:00:04,637  
HOW DO WE SEND HUMANS

3  
00:00:04,637 --> 00:00:06,439  
TO DEEP SPACE?

4  
00:00:06,439 --> 00:00:07,707  
IN ORDER FOR HUMANS TO EXPLORE

5  
00:00:07,707 --> 00:00:09,976  
THE MOON, MARS, AND BEYOND,

6  
00:00:09,976 --> 00:00:11,711  
WE NEED SAFE, FLEXIBLE,

7  
00:00:11,711 --> 00:00:13,279  
AND POWERFUL SYSTEMS THAT

8  
00:00:13,279 --> 00:00:15,048  
WILL MAKE IT ALL POSSIBLE.

9  
00:00:15,048 --> 00:00:16,082  
WE START WITH THE WORLD'S

10  
00:00:16,082 --> 00:00:17,784  
LARGEST SPACEPORT.

11  
00:00:17,784 --> 00:00:18,885  
AT KENNEDY SPACE CENTER,

12  
00:00:18,885 --> 00:00:19,853  
WE HAVE ALL THE BUILDINGS

13  
00:00:19,853 --> 00:00:21,321

AND TOOLS NEEDED TO ASSEMBLE

14

00:00:21,321 --> 00:00:23,156

AND LAUNCH SPACE VEHICLES,

15

00:00:23,156 --> 00:00:24,224

AND HAVE THE TEAMS IN PLACE

16

00:00:24,224 --> 00:00:25,492

TO RECOVER THE ASTRONAUTS

17

00:00:25,492 --> 00:00:27,794

WHEN THEY COME HOME TO EARTH.

18

00:00:27,794 --> 00:00:28,628

NEXT UP, WE NEED

19

00:00:28,628 --> 00:00:30,563

A DEEP SPACE ROCKET.

20

00:00:30,563 --> 00:00:31,331

THIS IS NASA'S

21

00:00:31,331 --> 00:00:32,899

SPACE LAUNCH SYSTEM.

22

00:00:32,899 --> 00:00:34,033

IT WILL BE THE MOST POWERFUL

23

00:00:34,033 --> 00:00:36,269

ROCKET NASA HAS EVER BUILT.

24

00:00:36,269 --> 00:00:37,170

AND IT HAS THE MUSCLE

25

00:00:37,170 --> 00:00:38,538

TO LIFT PEOPLE AND ALL OF

26  
00:00:38,538 --> 00:00:39,706  
THE EQUIPMENT NEEDED FOR

27  
00:00:39,706 --> 00:00:41,641  
MISSIONS TO NEW WORLDS.

28  
00:00:41,641 --> 00:00:42,642  
THE SPACE LAUNCH SYSTEM

29  
00:00:42,642 --> 00:00:44,043  
WILL BLAST OFF WITH A CREW

30  
00:00:44,043 --> 00:00:45,812  
IN THE ORION SPACECRAFT.

31  
00:00:45,812 --> 00:00:47,514  
THE MOST ADVANCED SPACECRAFT

32  
00:00:47,514 --> 00:00:48,748  
EVER BUILT FOR HUMAN

33  
00:00:48,748 --> 00:00:50,650  
EXPLORATION, ORION PROVIDES

34  
00:00:50,650 --> 00:00:52,452  
THE LIFE SUPPORT, POWER,

35  
00:00:52,452 --> 00:00:53,853  
COMMUNICATIONS, AND OTHER

36  
00:00:53,853 --> 00:00:55,588  
SYSTEMS TO SAFELY TRANSPORT

37  
00:00:55,588 --> 00:00:57,023  
ASTRONAUTS ON A VARIETY

38  
00:00:57,023 --> 00:00:58,658

OF EXPLORATION MISSIONS,

39

00:00:58,658 --> 00:01:00,560

LIKE TO THE MOON.

40

00:01:00,560 --> 00:01:01,694

IN LUNAR ORBIT, WE WILL LEARN

41

00:01:01,694 --> 00:01:02,962

TO LIVE AND WORK IN

42

00:01:02,962 --> 00:01:04,497

A DEEP SPACE ENVIRONMENT,

43

00:01:04,497 --> 00:01:05,498

SOMETHING WE HAVE NEVER

44

00:01:05,498 --> 00:01:07,267

DONE BEFORE.

45

00:01:07,267 --> 00:01:08,501

IN FUTURE MISSIONS, NASA'S

46

00:01:08,501 --> 00:01:10,103

GATEWAY WILL BE A PLACE

47

00:01:10,103 --> 00:01:12,205

FOR ASTRONAUTS TO LIVE, WORK,

48

00:01:12,205 --> 00:01:13,606

AND PREPARE FOR MISSIONS

49

00:01:13,606 --> 00:01:15,975

DEEPER INTO THE SOLAR SYSTEM.

50

00:01:15,975 --> 00:01:16,976

THERE YOU HAVE IT--

51  
00:01:16,976 --> 00:01:19,112  
NASA'S DEEP SPACE EXPLORATION

52  
00:01:19,112 --> 00:01:21,314  
SYSTEMS, CHARTING

53  
00:01:21,314 --> 00:01:23,383  
OUR NEW FUTURE IN SPACE.

54  
00:01:26,286 --> 00:01:27,220  
TO FIND OUT MORE ABOUT