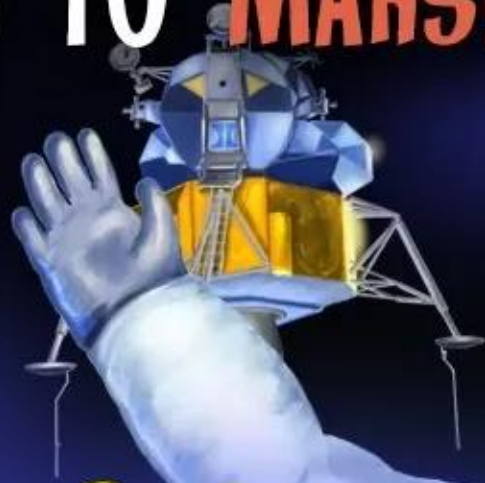


SO YOU WANT TO GO TO MARS? EPISODE 4



HOW DOES NASA'S HISTORY
HELP

FUTURE EXPLORATION?



1
00:00:00,166 --> 00:00:02,335
[MUSIC]

2
00:00:02,335 --> 00:00:03,703
>> SO YOU WANT TO GO TO MARS?

3
00:00:05,705 --> 00:00:07,207
HOW DOES NASA'S HISTORY

4
00:00:07,207 --> 00:00:08,108
PREPARE US FOR

5
00:00:08,108 --> 00:00:10,243
FUTURE EXPLORATION?

6
00:00:10,243 --> 00:00:11,644
NASA HAS BEEN EXPLORING SPACE

7
00:00:11,644 --> 00:00:13,179
FOR 60 YEARS.

8
00:00:13,179 --> 00:00:15,081
[APPLAUSE]

9
00:00:15,081 --> 00:00:16,049
IN THAT TIME, WE'VE LEARNED

10
00:00:16,049 --> 00:00:17,083
A LOT THAT WILL HELP US

11
00:00:17,083 --> 00:00:18,985
WITH FUTURE MISSIONS.

12
00:00:18,985 --> 00:00:20,086
FIRST, NASA LEARNED

13
00:00:20,086 --> 00:00:21,988

HOW TO BUILD AND LAUNCH ROCKETS

14

00:00:21,988 --> 00:00:23,723

INTO SPACE.

15

00:00:23,723 --> 00:00:24,524

THEN NASA LEARNED

16

00:00:24,524 --> 00:00:26,159

HOW TO SEND ASTRONAUTS,

17

00:00:26,159 --> 00:00:27,660

WHO PERFORM SPACEWALKS,

18

00:00:27,660 --> 00:00:29,262

RENDEZVOUS AND DOCKING MANEUVERS

19

00:00:29,262 --> 00:00:30,864

AND TESTED NEW TECHNOLOGIES

20

00:00:30,864 --> 00:00:33,233

TO PREPARE US TO GO TO THE MOON.

21

00:00:33,233 --> 00:00:34,601

DURING THE APOLLO MISSIONS,

22

00:00:34,601 --> 00:00:36,035

HUMANKIND EXPLORED

23

00:00:36,035 --> 00:00:37,670

THE LUNAR SURFACE AND PROVED

24

00:00:37,670 --> 00:00:38,772

THAT WE CAN WALK ON

25

00:00:38,772 --> 00:00:39,539

OTHER WORLDS.

26

00:00:39,539 --> 00:00:40,774

>> ONE SMALL STEP FOR MAN--

27

00:00:40,774 --> 00:00:41,875

>> AFTER THE APOLLO PROGRAM

28

00:00:41,875 --> 00:00:43,576

ENDED, NASA RETURNED TO

29

00:00:43,576 --> 00:00:44,911

LOW-EARTH ORBIT, BUT WITH

30

00:00:44,911 --> 00:00:47,313

LONGER, MORE COMPLEX MISSIONS.

31

00:00:47,313 --> 00:00:48,915

SKYLAB, AMERICA'S FIRST

32

00:00:48,915 --> 00:00:50,417

SPACE STATION, TAUGHT US

33

00:00:50,417 --> 00:00:51,818

IMPORTANT LESSONS ABOUT

34

00:00:51,818 --> 00:00:53,720

LIVING IN SPACE.

35

00:00:53,720 --> 00:00:55,054

THE SPACE SHUTTLE KICKED OFF

36

00:00:55,054 --> 00:00:56,856

A SERIES OF REGULAR MISSIONS,

37

00:00:56,856 --> 00:00:58,558

ADVANCING ASTRONAUT TRAINING,

38

00:00:58,558 --> 00:00:59,826

LAUNCH CAPABILITIES,

39

00:00:59,826 --> 00:01:02,228
AND ON-ORBIT OPERATIONS.

40

00:01:02,228 --> 00:01:03,363
THE SPACE SHUTTLE ENABLED US

41

00:01:03,363 --> 00:01:04,764
TO BUILD THE INTERNATIONAL

42

00:01:04,764 --> 00:01:06,366
SPACE STATION, EXPANDING

43

00:01:06,366 --> 00:01:07,867
OUR ABILITY TO USE SPACE

44

00:01:07,867 --> 00:01:09,436
FOR SCIENTIFIC RESEARCH,

45

00:01:09,436 --> 00:01:10,603
AND TEACHING US HOW TO MAKE

46

00:01:10,603 --> 00:01:11,638
A PERMANENT HOME

47

00:01:11,638 --> 00:01:12,839
AWAY FROM EARTH.

48

00:01:12,839 --> 00:01:13,673
ASTRONAUTS STILL

49

00:01:13,673 --> 00:01:16,142
LIVE THERE TODAY.

50

00:01:16,142 --> 00:01:17,243
BUILDING ON 60 YEARS

51
00:01:17,243 --> 00:01:18,845
OF KNOWLEDGE AND DISCOVERY

52
00:01:18,845 --> 00:01:20,246
PREPARES US TO GO FARTHER THAN

53
00:01:20,246 --> 00:01:23,450
HUMANITY HAS EVER GONE BEFORE.

54
00:01:25,151 --> 00:01:26,186
TO FIND OUT MORE, GO TO