



1
00:00:16,720 --> 00:00:13,450
history proves that we have never lost

2
00:00:19,400 --> 00:00:16,730
by pressing the limits of our frontiers

3
00:00:22,070 --> 00:00:19,410
love you need earlier this month what

4
00:00:27,259 --> 00:00:22,080
does magazine protect his speech program

5
00:00:30,080 --> 00:00:27,269
what do you know first for the coming

6
00:00:33,770 --> 00:00:30,090
decade for the 1990s Space Station

7
00:00:36,830 --> 00:00:33,780
freedom our critical next step in all

8
00:00:40,790 --> 00:00:36,840
our space endeavours and next for the

9
00:00:48,090 --> 00:00:40,800
new century back to the moon back to the

10
00:00:53,940 --> 00:00:50,720
and then a journey into tomorrow a

11
00:00:57,770 --> 00:00:53,950
journey to another planet a manned

12
00:01:06,570 --> 00:01:00,350
inspired by the president's declaration

13
00:01:08,280 --> 00:01:06,580

research on Mars is accelerating

14

00:01:12,420 --> 00:01:08,290

throughout government industry and

15

00:01:14,340 --> 00:01:12,430

academia inflatable modules protected by

16

00:01:17,850 --> 00:01:14,350

lunar soil and linked together to form

17

00:01:20,010 --> 00:01:17,860

an expandable base or under study to

18

00:01:22,380 --> 00:01:20,020

explore Mars engineers are looking into

19

00:01:25,010 --> 00:01:22,390

the number of robotic Rovers that could

20

00:01:28,889 --> 00:01:25,020

serve as pathfinders for manned missions

21

00:01:31,430 --> 00:01:28,899

in this scenario a Mars spaceship is

22

00:01:34,560 --> 00:01:31,440

assembled in orbit using a robot arm

23

00:01:49,280 --> 00:01:34,570

heavy launch vehicles haul up its major

24

00:01:55,050 --> 00:01:52,680

once the ship is complete a shuttle

25

00:02:02,250 --> 00:01:55,060

brings in the flight crew and the

26
00:02:07,550 --> 00:02:04,650
upon reaching the planet a crew carrying

27
00:02:10,170 --> 00:02:07,560
Lander separates from the mothership

28
00:02:12,420 --> 00:02:10,180
guided by information from an earlier

29
00:02:15,510 --> 00:02:12,430
Rover mission it is steered to a

30
00:02:20,520 --> 00:02:15,520
pre-planned touchdown spa providing a

31
00:02:23,010 --> 00:02:20,530
base for Mars operations to ensure that

32
00:02:27,000 --> 00:02:23,020
no approach to building a lunar base and

33
00:02:29,390 --> 00:02:27,010
exploring Mars is overlooked suspected

34
00:02:32,970 --> 00:02:29,400
truly this is a launch a nationwide

35
00:02:36,450 --> 00:02:32,980
outreach program seeking new and

36
00:02:39,090 --> 00:02:36,460
innovative ideas the program includes

37
00:02:40,890 --> 00:02:39,100
more than 3,200 letters from truly two

38
00:02:43,920 --> 00:02:40,900

universities and professional societies

39
00:02:46,740 --> 00:02:43,930
an announcement to industry and commerce

40
00:02:49,170 --> 00:02:46,750
business daily a review of federally

41
00:02:51,450 --> 00:02:49,180
sponsored research and a study by the

42
00:02:55,140 --> 00:02:51,460
American Institute of Aeronautics and

43
00:02:57,600 --> 00:02:55,150
Astronautics NASA's even established

44
00:03:01,160 --> 00:02:57,610
this toll-free telephone number for

45
00:03:03,900 --> 00:03:01,170
anyone who would like to submit an idea

46
00:03:06,990 --> 00:03:03,910
the outreach effort offers this

47
00:03:11,550 --> 00:03:07,000
country's best and brightest a chance to

48
00:03:15,780 --> 00:03:11,560
help shape the future of man in space

49
00:03:19,559 --> 00:03:15,790
station freedom a lunar base and journey