



1
00:00:06,270 --> 00:00:03,390
like to turn this over to Jeff Norris to

2
00:00:08,129 --> 00:00:06,280
explain this and describe it Jeff thank

3
00:00:10,170 --> 00:00:08,139
you Doug so I'm very excited to announce

4
00:00:12,360 --> 00:00:10,180
a groundbreaking partnership between

5
00:00:14,430 --> 00:00:12,370
NASA the Jet Propulsion Laboratory and

6
00:00:17,130 --> 00:00:14,440
Microsoft to inspire the next generation

7
00:00:20,040 --> 00:00:17,140
of explorers and scientists and

8
00:00:22,620 --> 00:00:20,050
technologists Mars rover landing is the

9
00:00:24,480 --> 00:00:22,630
agency's first experience for a home

10
00:00:25,950 --> 00:00:24,490
entertainment console and through it

11
00:00:28,590 --> 00:00:25,960
we're bringing some of the excitement

12
00:00:30,359 --> 00:00:28,600
and a few the challenges of landing

13
00:00:33,029 --> 00:00:30,369

curiosity on Mars to living rooms around

14

00:00:36,120 --> 00:00:33,039

the world as we're demonstrating live

15

00:00:38,160 --> 00:00:36,130

here today people take control of their

16

00:00:40,410 --> 00:00:38,170

very own spacecraft using the Kinect and

17

00:00:42,270 --> 00:00:40,420

move their body to steer the rover

18

00:00:45,540 --> 00:00:42,280

through the stages of entry descent and

19

00:00:47,400 --> 00:00:45,550

landing right now Danielle is playing

20

00:00:48,990 --> 00:00:47,410

the first phase of the game she's doing

21

00:00:50,910 --> 00:00:49,000

her best to burn off some speed while

22

00:00:53,430 --> 00:00:50,920

staying on target and inside the entry

23

00:00:55,500 --> 00:00:53,440

corridor in the next space you'll have

24

00:00:57,840 --> 00:00:55,510

to react quickly in order to deploy the

25

00:01:00,060 --> 00:00:57,850

parachute separate the heat shield and

26
00:01:02,700 --> 00:01:00,070
then release the descent stage at the

27
00:01:04,799 --> 00:01:02,710
perfect moment it's not easy but we

28
00:01:06,179 --> 00:01:04,809
think families are going to enjoy facing

29
00:01:09,690 --> 00:01:06,189
the challenges of landing on Mars

30
00:01:11,910 --> 00:01:09,700
firsthand by the way I'll mention that

31
00:01:13,980 --> 00:01:11,920
Danielle is the granddaughter of Apollo

32
00:01:16,260 --> 00:01:13,990
14 astronaut Stuart Roosa

33
00:01:19,529 --> 00:01:16,270
and quite literally an example of the

34
00:01:20,999 --> 00:01:19,539
next generation of Explorer we'll check

35
00:01:25,739 --> 00:01:21,009
back in just a moment to see how her

36
00:01:28,139 --> 00:01:25,749
landing is progressing the Mars rover

37
00:01:31,379 --> 00:01:28,149
landing game is free and available now

38
00:01:33,300 --> 00:01:31,389

on Xbox Live Marketplace we have

39

00:01:34,830 --> 00:01:33,310

demonstration systems set up here at

40

00:01:36,359 --> 00:01:34,840

NASA headquarters and at the Jet

41

00:01:37,940 --> 00:01:36,369

Propulsion Laboratory for you all to try

42

00:01:40,859 --> 00:01:37,950

it out firsthand

43

00:01:44,010 --> 00:01:40,869

it's exciting challenging and a whole

44

00:01:45,749 --> 00:01:44,020

lot of fun Doug mentioned many ways that

45

00:01:47,969 --> 00:01:45,759

people can watch curiosity's landing and

46

00:01:49,499 --> 00:01:47,979

get involved with the mission in our

47

00:01:52,260 --> 00:01:49,509

mutual commitment to inspiring the next

48

00:01:54,479 --> 00:01:52,270

generation in science and math NASA and

49

00:01:56,550 --> 00:01:54,489

Microsoft will so soon unveil a special

50

00:01:59,519 --> 00:01:56,560

destination on the Xbox Live dashboard

51
00:02:01,679 --> 00:01:59,529
dedicated to the curiosity mission in it

52
00:02:03,599 --> 00:02:01,689
people will find pictures videos and

53
00:02:06,539 --> 00:02:03,609
more facts about the mission and then on

54
00:02:08,729 --> 00:02:06,549
August 5th NASA TVs live coverage of

55
00:02:12,330 --> 00:02:08,739
curiosity's landing will be broadcast

56
00:02:14,369 --> 00:02:12,340
there too all cinco also coming soon is

57
00:02:15,000 --> 00:02:14,379
an educational experience based on

58
00:02:17,070 --> 00:02:15,010
Microsoft

59
00:02:19,020 --> 00:02:17,080
in which students can program their very

60
00:02:21,720 --> 00:02:19,030
own Mars rover and make some discoveries

61
00:02:24,539 --> 00:02:21,730
of their own let's check back in with

62
00:02:26,699 --> 00:02:24,549
Danielle she's finishing up the second

63
00:02:28,440 --> 00:02:26,709

stage of the experience now she's

64

00:02:30,979 --> 00:02:28,450

deployed the descent stage and in the

65

00:02:33,300 --> 00:02:30,989

third phase she's going to have to

66

00:02:35,309 --> 00:02:33,310

perform a sky crane maneuver and then

67

00:02:37,110 --> 00:02:35,319

carefully manage the retrorockets in

68

00:02:39,449 --> 00:02:37,120

order to bring curiosity down for a safe

69

00:02:41,580 --> 00:02:39,459

landing this is a tricky balancing act

70

00:02:44,729 --> 00:02:41,590

and we didn't give her a lot of fuel so

71

00:02:52,949 --> 00:02:44,739

let's give her a minute to concentrate

72

00:02:52,959 --> 00:03:37,260

we have over separation