



1  
00:00:00,650 --> 00:00:07,770

Hi I'm Dave Lavery join me as we Journey to Mars.

2  
00:00:07,770 --> 00:00:12,829

[Music]

3  
00:00:12,829 --> 00:00:16,260

So one of the things that we're really excited about is the whole idea of getting samples

4  
00:00:16,260 --> 00:00:20,420

back from Mars from a known context that's going to be the big focus of what we're

5  
00:00:20,420 --> 00:00:22,420

going to do after the current series of missions.

6  
00:00:22,420 --> 00:00:27,160

To do that we have to create all new technology's associated with, How do you pick the sample

7  
00:00:27,160 --> 00:00:28,839

that you want that you know is good.

8  
00:00:28,839 --> 00:00:33,530

How do you wrap it up and contain it so it safe and protected from the hazards of space

9  
00:00:33,530 --> 00:00:35,430

and thats safe when it's back to Earth?

10  
00:00:35,430 --> 00:00:40,480

How to actually build a rocket that can launch from the surface of another planet come all

11  
00:00:40,480 --> 00:00:44,210

the way back to the earth with that sample without any human involvement?

12

00:00:44,210 --> 00:00:47,710

Analyzing that sample will let us understand  
are there other resources on the surface of

13

00:00:47,710 --> 00:00:51,780

Mars, maybe a human mission could used to  
live off the land?

14

00:00:51,780 --> 00:00:56,170

Are there things on Mars it may be dangerous  
in terms of toxicity or certain chemical compounds