

A portrait of Sharon Cobb, PhD, a woman with blonde hair, smiling, wearing a blue blazer and a patterned scarf. The background is a blurred industrial setting. Overlaid on the image is a graphic featuring a stylized rocket launch with two circular arrows forming a loop around it. In the bottom left, there is an orange banner with white text. In the bottom right, there is the SLS logo.

SHARON COBB, PhD

SPACE LAUNCH SYSTEM ASSOCIATE PROGRAM MANAGER

SLS
SPACE LAUNCH SYSTEM

1
00:00:05,390 --> 00:00:03,230
hi I'm Sharon Cobb and I'm the associate

2
00:00:07,309 --> 00:00:05,400
program manager for the space launch

3
00:00:09,890 --> 00:00:07,319
system at NASA's Marshall space flight

4
00:00:11,440 --> 00:00:09,900
center and this is rocket science in 60

5
00:00:14,030 --> 00:00:11,450
Seconds

6
00:00:16,490 --> 00:00:14,040
[Music]

7
00:00:18,590 --> 00:00:16,500
the space launch system Mega rocket is

8
00:00:21,529 --> 00:00:18,600
the only rocket that can send the Orion

9
00:00:25,070 --> 00:00:21,539
spacecraft astronauts and supplies to

10
00:00:28,009 --> 00:00:25,080
the Moon in a single launch

11
00:00:30,290 --> 00:00:28,019
Artemis 1 was the first test flight of

12
00:00:32,450 --> 00:00:30,300
NASA's space launch system and this

13
00:00:34,970 --> 00:00:32,460

uncrewed flight allowed us to gather

14

00:00:37,850 --> 00:00:34,980

valuable Data before we send a crew to

15

00:00:42,709 --> 00:00:37,860

lunar orbit and Beyond

16

00:00:45,110 --> 00:00:42,719

the 322 foot tall SLS produces 8.8

17

00:00:47,510 --> 00:00:45,120

million pounds of thrust that's 15

18

00:00:51,290 --> 00:00:47,520

percent more than the Saturn V that

19

00:00:56,510 --> 00:00:53,869

a rocket needs massive amounts of power

20

00:00:58,670 --> 00:00:56,520

just to leave Earth and even more to