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00:00:00,000 --> 00:00:03,230
Hi I'm Debra Needham
and I'm a Planetary Scientist

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00:00:03,230 --> 00:00:05,100
at NASA's Marshall Space Center.

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00:00:05,100 --> 00:00:07,980
And this is SLS in Sixty Seconds!

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00:00:07,980 --> 00:00:11,280
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00:00:11,280 --> 00:00:14,280
As a planetary scientist I help
integrate science into

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00:00:14,280 --> 00:00:19,040
exploration. With SLS I help load
science missions or payloads

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00:00:19,040 --> 00:00:21,910
so that we can explore deep
space destinations.

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00:00:21,910 --> 00:00:25,460
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00:00:25,460 --> 00:00:28,920
By using the Space Launch System
or SLS to explore the Moon

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00:00:28,920 --> 00:00:32,260
we get to explore the entire history
of the solar system because

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00:00:32,260 --> 00:00:35,090
some of the oldest rocks are
preserved on the lunar surface

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00:00:35,090 --> 00:00:38,760



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00:00:38,760 --> 00:00:41,687

Going to the Moon is a proving ground towards exploring deep

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00:00:41,729 --> 00:00:45,770

space it's the next step towards sending humans to Mars

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00:00:45,770 --> 00:00:48,440



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00:00:48,440 --> 00:00:51,030

The great thing about SLS is it has a large fairing

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00:00:51,030 --> 00:00:53,740

so we can launch large payloads into deep space.

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00:00:53,740 --> 00:00:56,570

The fairing is the enclosure around the payload that