



1
00:00:00,000 --> 00:00:04,350
I'm Mike Sarafin, NASA's mission
manager for Exploration Mission-1.

2
00:00:04,350 --> 00:00:07,117
And this is Rocket Science
in Sixty Seconds!

3
00:00:07,117 --> 00:00:09,717
■■■■■

4
00:00:09,717 --> 00:00:13,350
A mission manager is a bit like
the coach of a baseball team.

5
00:00:13,350 --> 00:00:16,083
I work with a team of engineers
to plan a mission

6
00:00:16,083 --> 00:00:18,183
and then when we get in flight
make sure they have everything

7
00:00:18,183 --> 00:00:19,550
they need.

8
00:00:19,550 --> 00:00:21,983
■■■■■

9
00:00:21,983 --> 00:00:24,917
During the mission Orion
will fly farther than any

10
00:00:24,917 --> 00:00:27,283
human capable spacecraft has
ever gone.

11
00:00:27,283 --> 00:00:33,117
It'll fly 280,000 miles beyond

the Earth and over 40,000 miles

12

00:00:33,117 --> 00:00:34,950

past the far side of the Moon.

13

00:00:34,950 --> 00:00:38,183



14

00:00:38,183 --> 00:00:41,350

The rocket produces 8.8
million pounds of thrust

15

00:00:41,350 --> 00:00:42,283

at liftoff

16

00:00:42,283 --> 00:00:45,750

or fifteen percent more power
than the Saturn V rocket.

17

00:00:45,750 --> 00:00:48,850



18

00:00:48,850 --> 00:00:52,350

During the three week mission
Orion will test the propulsion

19

00:00:52,350 --> 00:00:56,750

power, cooling, navigation and
communication systems