

Script for Lunar Lander Presentation

Slide 2:

(With intro)

The bottom gifs show the lunar module from the Apollo 11 mission. It has four legs and three sensors attached so they know when they're getting close to the lunar surface. The astronauts were in the white part at the top. The top gif is an animation from ESA. You can see there is an engine running to slow it down for a soft landing.

Slide 3:

(Photos of steps to building the lunar module. All build this together and then get individually creative with the legs)

Slides 4-8:

(Samples of failed prototypes. Can be used if needed to discuss what improvements could be made to them)

Slides 9-11:

(Samples of working landers)

Slide 12:

Examples of different builds

Slide 13:

The lander on the right shows how to add tape for suspension. It helps to keep the legs from flopping outwards. The lander on the left has a sponge centre for a soft landing.

Slide 14:

(Links to videos. First one is an animated video all about Apollo 11 and the design process they used. Second one is another landing, this time on Mars with the Perseverance rover)