

### What have I previously learned?

- I can design a product and make a plan.
- I can use my ideas to make something.
- I can explore what works well and not so well in the product I have made.

### Sticky Knowledge

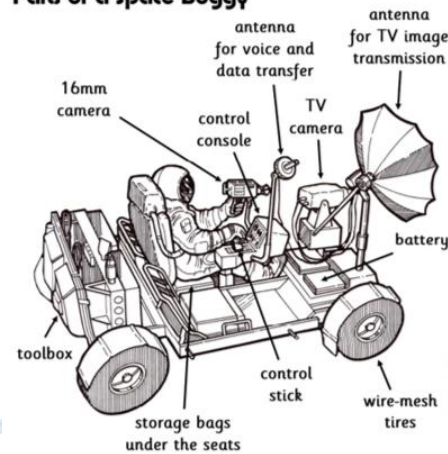
- ❑ The Lunar Rover was specially designed to travel in low gravity on the soft surface of the moon.
- ❑ It was designed to carry two astronauts, equipment and moon rock samples.
- ❑ A Lunar Rover is 3 metres long and 1 metre high.
- ❑ The Lunar Rover was designed to travel at 8 miles per hour, but the astronauts raced it to 11 miles per hour on its last journey.
- ❑ It was folded up to fit in to the rocket which took it to the moon.
- ❑ It has a large dish antenna to send pictures back to Earth. The buggy can also be controlled by NASA Mission Control.
- ❑ It has a colour video camera to record.

### Vocabulary - Goldilocks words

Word	Definition
Axle	A long straight rod on which wheels are attached.
chassis	The body of the car
mechanism	Parts of an object that move together to make something work.
dowel	Wooden rods used for making axles
mechanical system	a set of parts or components used to create movement.
score	using the blade of the scissors to cut a groove in hard cardboard.

### Prompts to help me in my learning

#### Parts of a Space Buggy



### Useful links

[The Design of the Lunar Rover Was Mostly Guesswork - YouTube](#)

[\[4k, 60 fps\] Apollo 16 Lunar Rover "Grand Prix" \(1972 April 21, Moon\) - YouTube](#)