

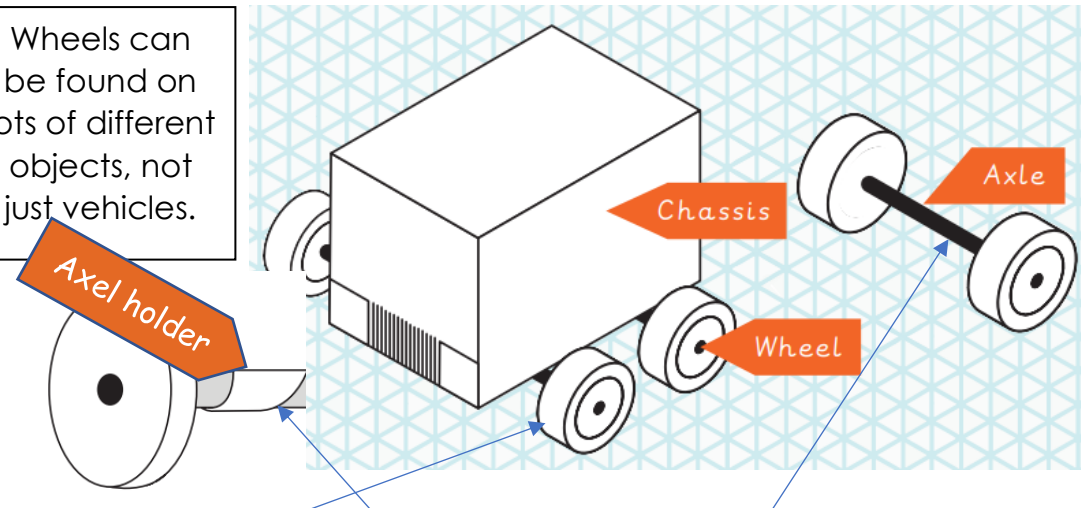
A **space buggy** is a vehicle designed for astronauts to drive on the Moon. It is an electric, 4- wheeled **vehicle** designed to operate in the Moon's low gravity and traverse its rocky, sandy surface. It allows astronauts to carry equipment, tools and moon rocks.



Year 2 Design and Technology

Unit 1 Mechanisms- Wheels and Axels

Wheels can be found on lots of different objects, not just vehicles.



Key Vocabulary



Axle	A long straight rod which connects to a rotating part (e.g. the wheels of a car).
Axle holder	The part of a mechanism which holds the axle steady.
Chassis	The body of a car.
Design	To make, draw or write plans for something.
Fix	To mend something so that it will work properly again.
Mechanic	A person who can build or mend vehicles or other machines.
Mechanism	Parts of an object that move together to make something work.
Model	A practise version that lets you test out your idea and see how it will look and work.
Test	To find out whether something works as it should.
Wheel	A circular object that turns round. It can be fixed to a vehicle like a car or bicycle to allow the vehicle to move easily over the ground.

The **wheels** need to be attached to an **axle**. The axle needs to fit inside the **axle holder** but must not be attached to the axle holder otherwise the wheels will not turn properly.

