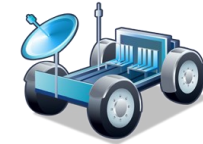


Year 2- DT Knowledge Organiser

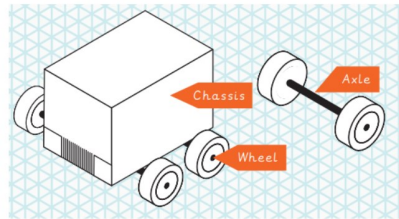
Mechanisms Moon Buggy



What I remember from Year 1...

- How to use pictures and words to plan and design.
- How to use scissors safely.
- How to use pins and glue to join materials together.

Design...



Neil Armstrong

American astronaut who became the first person to walk on the moon in 1969.



Health and Safety...

Remember to be careful when using wooden dowel. It snaps and splinters easily, making the ends sharp.



Key Knowledge...

Examples of wheel mechanisms in every day life...

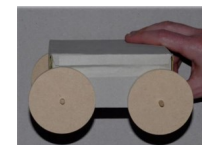


Key Skills...

Join a cardboard base together using paper clips, masking tape and glue.



Attach a **dowel** axle to a **chassis** using straws, plasticine or masking tape.



Key Vocabulary...

Mechanism - The parts that make a product move or work.

Wheel - Round objects that roll on the ground, helping vehicles and other objects to easily move.

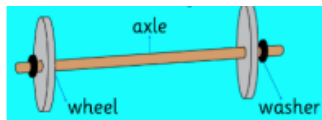
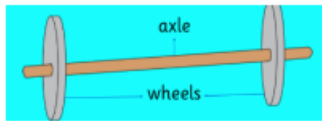
Axle - A rod that helps a wheel rotate.

Fixed axle - An axle that cannot turn.

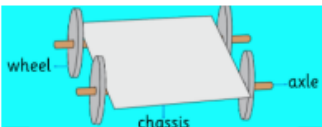
Freely moving axle - An axle that can turn.

Chassis - The body of a vehicle.

Dowel - Wooden rods used for making axles.



Wheels need to be attached to an **axel**.
Axels can be **fixed** or **freely moving**.



Axels can be attached to a **chassis** from underneath. This means it won't turn around.



Axels can be put through holes in the chassis so that the axel can turn around.