

Design Technology - Vehicles - Year 2

Prior Learning

Moving Parts in Year 1

Vocabulary

Design – Thinking about what you want to make before starting a project.

Chassis – The main body of the vehicle.

Axle – The rod that connects and holds the two wheels together. When the axle turns the wheels turn.

Wheels – Wheels can be made of different materials. They are always fixed onto the axle.

Wheel Stop – A small soft rubber washer that stops the wheel falling off.

Evaluation – to say how successful the final product is.

Methods and Tools

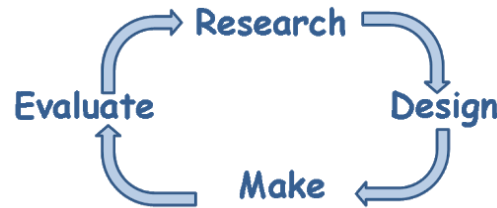
Scissors

Glue

Masking Tape

Dowel Rods (for axles)

Design Process



Key Learning

- Describe their models and drawing of ideas
- Explain what they are making
- Explain what materials they are using and why
- Describe what they need to do next
- Use axle fixings to identify strengths and weaknesses
- Attach wheels to a chassis using an axle
- Make vehicles with constructions kits which contain free running wheels.
- Discuss how closely their finished product meets their design.

Vehicle Ideas



Materials and Consumables

Wheels

Chassis

Axle

Wheel stops (rubber washers)

Can I answer?

- How do toy vehicles move?
- How do wheels turn?
- Can I explain why my vehicle moves?