

Key Methods

We will be using small hacksaws and bench hooks to cut small dowels for our vehicle axles

Top Tips:

Make sure that whatever you are cutting is firmly held down. Hold the saw with one hand and keep the other hand away from the saw!

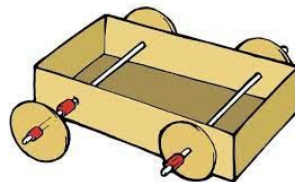


Year 2 Design & Technology Knowledge Organiser

Autumn 2: Wheels and Axles

Learning Intentions:

- ❑ To understand how vehicles move
- ❑ To build wheels and axles that work together
- ❑ To design a wheeled toy vehicle
- ❑ To make a wheeled toy vehicle
- ❑ To evaluate how successful my toy vehicle was.











Focus Designer:
Sir Alex Issigonis
(Designer of the Mini)

Sir Alex Issigonis was a British-Greek car designer. He designed the Mini, launched by the British Motor Corporation in 1959, which was voted the second most influential car of the 20th century in 1999.



Key Vocabulary

 vehicle	 wheel
 axle	 axle holder
 chassis	 body
 cab	 saw

Prior Learning:

- ❑ Assembled vehicles with moving wheels using lego, etc...
- ❑ Explored moving vehicles through play.
- ❑ Developed some cutting, joining and finishing skills with card.
- ❑ Some experience of designing, making and evaluating products.

Project overview:

We will be learning how to design, make and evaluate our own car toy. We will be finding out how wheels and axles work and how we can put them together safely using saws and glue.

