

Can you design and make a vehicle that travels in a straight line?

Key Knowledge

Design

- Use pictures and words to convey what they want to design/make.
- Select pictures to help develop ideas and produce a mind map.
- Explore and use wheels and axles in their products to ensure the car moves freely down a ramp and in a straight line.

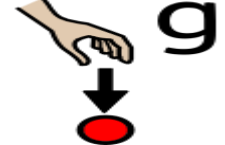
Make

- Select materials from a limited range.
- Explain what they are making.
- Name the tools they are using.
- Begin to use a saw to cut materials such as wood to the correct size.

Evaluate

- Talk about their design as they develop and identify good and bad points.
- Say what they like and do not like about items they have made and attempt to say why.
- Investigate key events and individuals in design and technology

Vocabulary

axle	bar that goes through the wheels	
gravity	a force that pulls things to the ground	
design	the way something is made	
make	to form something	
evaluate	to judge the success or failure of something	
tools	a piece of equipment that you use in your hands to make or repair	
ramp	a slope	
straight line	the shortest distance between 2 points	

Pioneers

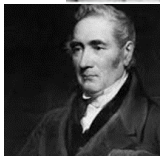
The Wright Brothers



Karl Benz



George Stevenson



Text

