

# Year One: Mechanisms

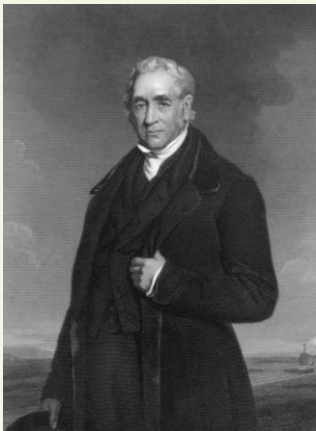
## Knowledge Organiser



### The Big Idea

Through this project, children will generate initial ideas and simple design criteria through talking and using own experiences. They will explore and use wheels, axles and axle holders. They will select from and use a range of materials and components such as paper, card, plastic and wood according to their characteristics and evaluate their ideas throughout and their products against original criteria.

### Research the Engineer



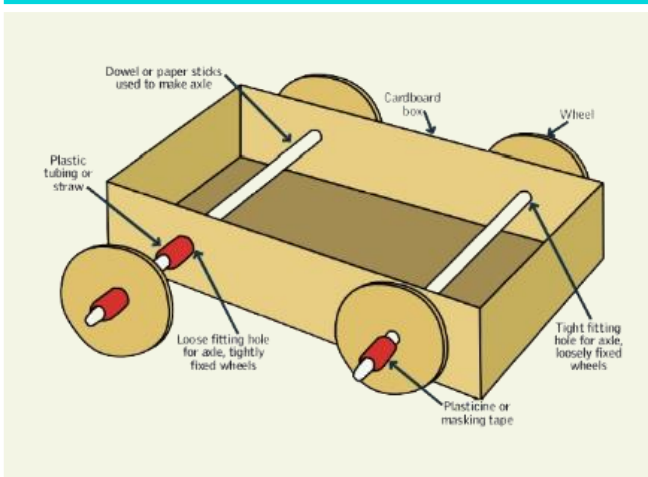
#### George Stephenson

- Known as the 'Father of the Railways'.
- Helped develop railway systems in Britain.
- Trains helped people move around the country.

### Design Brief

Design, make and evaluate a vehicle with wheels that can be used as a children's toy.

### Make the Product



### Evaluate the Product

Does my product work for the intended purpose?

Is my product suitable for the intended user?

### Vocabulary

axle

axle holder

vehicle

friction

dowel