



## Egg Carriers - Vehicles

In this unit, we will be making our own vehicles. We will consider different vehicle mechanisms and identify how an axle is able to rotate. We will also look at the history of the wheel and how the axle was discovered.

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### Key Questions

- What are the main parts of a car?
- How are wheels and axles used in everyday life?
- How are axles able to rotate?
- How were wheels and axles discovered?
- Who built the first petrol-powered car?

I need your help! In order to feed the other animals in our underground town, I need to be sneaky and steal some chicken eggs. Can you help me design an egg carrier? It needs to be able to move and be sturdy.

I hope you're up to the challenge. I can't wait to see what you make.

Yours hungrily,  
Mr Fox

### Key Vocabulary:

#### **Mechanism**

A device used to create movement in a product



#### **Body**

The main structure of a vehicle



#### **Chassis**

The frame of a vehicle



#### **Wheel**

A round frame that turns on the axle



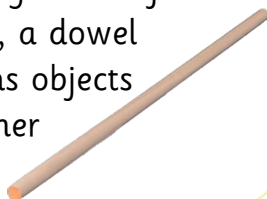
#### **Axle**

A bar or rod which a wheel(s) turn on



#### **Dowel**

Usually made of wood, a dowel fastens objects together



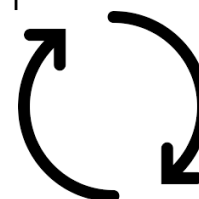
#### **Design criteria**

The goals a product must achieve in order to be successful



#### **Rotate**

To spin on an axis



### Home Learning Suggestions

- Look at some toy cars and investigate its different parts. Can you find which parts make the car move and how they work?