

Year 6 – Fairgrounds



Ferris Wheel



Merry-Go-Round



Flying Chairs

Key Vocabulary

Circuit	Electrical components connected in a loop make a working circuit. e.g. battery, bulb and wires
Rotate	To circle around a centre point.
Axel	An axel turns a pulley through the centre.
Motor	Motors generate electricity, allowing things to rotate.
Pulley	A disc which has a groove all the way around it These are powered by motors.
Belt	Belts transmit motion. They can be looped into the grove of a pulley.
Driver and Follower	The Driver is one pulley powered by one motor. The belt then turns another pulley called the Follower .

To Design and Make a Fairground Ride

Sticky Knowledge:

An **electrical circuit** with a **motor** can be used to create **rotating** parts.

The **pulley** and **belt** system can be used to change the movement the **motor** creates, faster, slower etc.

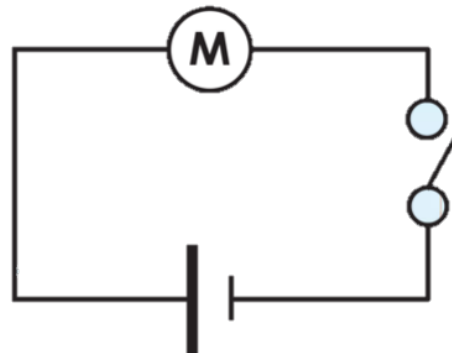
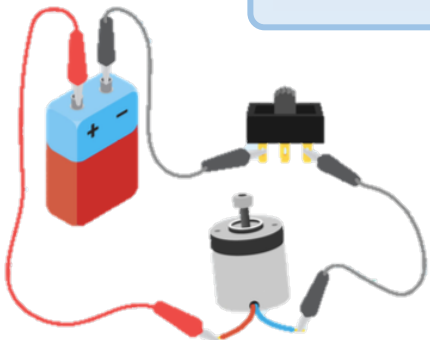
Golden Threads



Electrical Systems



A Circuit:



Driver



Follower



Belt and Pulley Configurations:

