



Knowledge Organiser: Fairground Rides

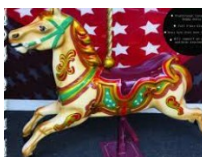
Year 6



Key Knowledge:

A **carousel** is an amusement ride that has a rotating platform on which are placed seats for riders in the shapes of different animals (but most commonly horses). In different places carousels can be called merry-go-round, galloper, jumper, roundabout, horseabout and "flying horses"

The popularity of the merry-go-round began in the 18th century (1700's) when carousels started arriving in European and English fairground attractions.



These 18th-century carousels didn't have platforms with horses. Instead, they had seats that hung from chains. In 1803, **John Merlin** was the first to play music while people rode on his carousel in London.

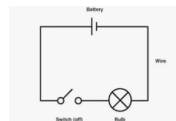
In the middle of the 19th century, power was starting to become a major downfall of the ride until **Thomas Bradshaw** came along. He invented the first steam-powered carousel in 1861, which was introduced at the **Aylsham Fair**.



Key Skills:

Prior learning: Think of everyday objects that use electrical motors to cause **rotation**.

An electrical circuit for the fairground is made up of a cell (battery), wires, motor/light and a switch.



Key points:

Rotation means the circular motion of an object around a centre point and create movement. Pulley and belt systems can be used to transfer movement to help the fairground ride move round and round and up and down.

Evaluating: Describe how an electrical circuit with a motor can be used to create rotating parts, and how this is done in fairground rides.

Key people

Thomas Bradshaw invented the mechanical steam powered carousel in 1861.

John Wardley is a modern day designer of fairground rides and is famous for designing rides for **Alton Towers**, **Thorpe Park** and **Chessington World of Adventure** theme parks.



Key Vocabulary:

Vocabulary	Definition
Carousel	comes from the Italian <i>garosello</i> and Spanish <i>carousella</i> , which roughly translate to "little battle" – and this word was used by knights to describe a game played by Turkish and Arabian horsemen in the 12 th Century.
Pulley	A wheel on a axle or shaft that is designed to support movement and change of direction.
Motor	A machine that supplies motive power for a vehicle or other device. Framework An essential supporting structure of a building, vehicle or object.
Driver	A part in a mechanism that receives power directly and transmits motion to the other parts.
Program	A series of coded instructions to control the operation of a computer or object
Traditional	A existing in or as part of a tradition; long-established.
Dowel	A dowel is a cylindrical rod, usually made from wood, plastic, or metal.

Time line of learning:

Research fairground rides and their history.

Design a fairground ride and the materials to be

Build your fairground ride.

Test out your fairground ride.

Evaluate your fairground ride what would you change?