

Key Knowledge Organisers - DT - Year 2

Mechanisms - Fairground Wheel



Learning Sequence	Self-assessment	Teacher assessment
To explore wheel mechanisms and design a wheel.		
To select appropriate materials.		
To build and test a moving wheel.		
To make and evaluate a structure with a rotating wheel.		

The invention of the Ferris wheel

Did you know?



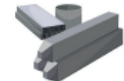
The first **ferris wheel** to be built was called the **Chicago wheel**, in 1893 over 100 years ago!

It was over 80 metres tall.

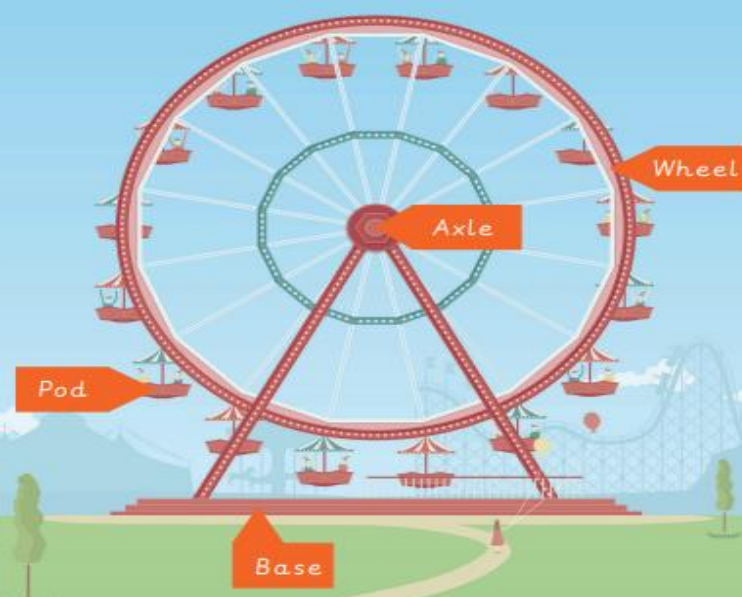
Selecting your materials

Materials have different properties. Your **ferris wheel** design will need to be **stable** and **strong**. Which materials could you use?

	Bricks are made from clay. They are stiff and strong .
	Wood comes from trees. It is strong and flexible.
	Metal comes from ore, that is mined underground. It is strong and hard.



The features of a Ferris wheel



Vocabulary

- Axle
- Decorate
- Evaluation
- Ferris wheel
- Ferris wheel pod
- Mechanism
- Stable
- Strong
- Test
- Waterproof
- Weak