


Knowledge Organiser – Fairground wheel

axle	A long, straight piece of material which connects to a rotating part (e.g. the wheels of a car).
design brief	A challenge that asks for something to be designed.
design criteria	A set of instructions for the project.
evaluation	Looking at what is good and bad about something and thinking about how to make it better.
Ferris wheel	A ride at a fairground which carries passengers around a large, vertical wheel.
mechanism	The parts of an object that move together as part of a machine.
pod	The container which carries passengers around the fairground wheel.
survey	Questions used to find out what people like.



Labels in diagram: wheel, axle, pod, base, frame or axle holder

Materials have different properties. A **fairground wheel** design needs to be **stable** and **strong**. Which materials could be used?



Bricks are made from clay. They are stiff and strong.



Wood comes from trees. It is strong and flexible.



Metal comes from mining ore in the ground. It is strong and hard.