

Topic: Vehicles

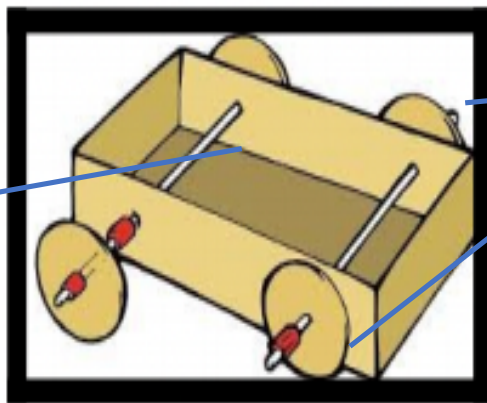
What I should already know

- I can use boxes and other junk materials to create new things.

Key Knowledge

What do I need to know to make a moving vehicle with wheels?

- There are different types of vehicles.
- On a vehicle the wheels need to be fixed to an axle
- The axle needs to move freely in the chassis
- The bottom of the wheel needs to be below the bottom of the vehicle
- Some materials are stronger and more rigid (stiffer) than others e.g. thick card is stronger and more rigid than paper



axle

wheels

Vocabulary

Designing	Making or drawing a plan
Evaluating	Saying what you like / don't like
Structure	Something made from different parts
Design criteria	List of things to include in the design
Improve	To make something better
Purpose	a reason or plan to do something
Make	form (something) by putting parts together; create
Wheels	a circular object that helps something move easily over the ground
Axle	a rod passing through the centre of a wheel or group of wheels
Chassis	Base frame of a wheeled vehicle

What my product will look like:

