

Key vocabulary

assemble	putting together separate parts
stopper	a piece of material that restricts the movement of a component
axle	a rod that passes through the centre of a wheel / group of wheels
wheel	a circular object that turns on an axle
chassis	the frame / body of a car
vehicle	something used for transporting people or goods e.g. car, lorry, cart
fixed	Unable to move from a position
component	a part of a machine or vehicle

We are building on our knowledge from Bridge Building in Year 1

This will help us learn in Year 4 when we make steady hand games.

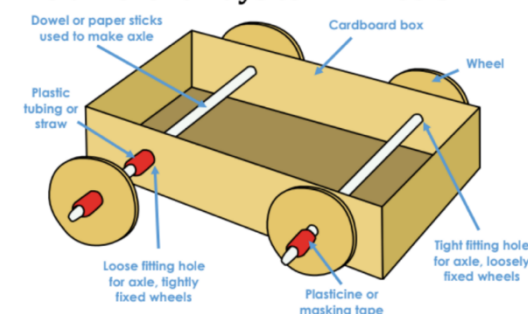
Key knowledge

Axles and wheels are components which work together to make a mechanism. They allow a vehicle to move forwards and backwards

There are two types of axle:

- fixed wheel and moving axle
- fixed axle and moving wheel

Two different ways to fix wheels



If the wheel is moving around the axle, a stopper must be used to stop the wheel falling off the axle

If the axle is moving, the wheel needs to be securely attached to the axle

The chassis and the axle need to be carefully measured and assembled so that the wheels can move freely