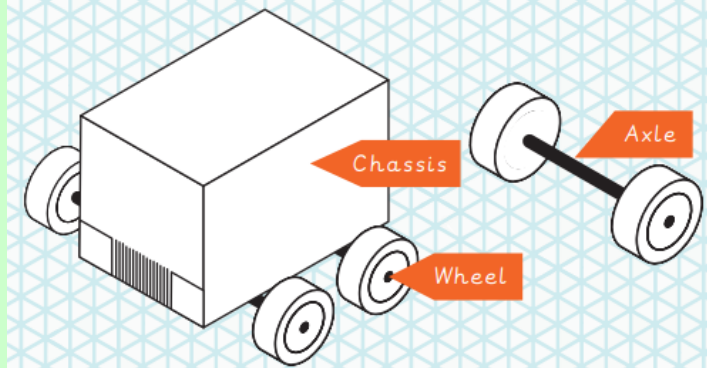


Mechanisms, Wheels and Axles

Key Vocabulary:	
Wheel	A circular object that turns round. It can be fixed to a vehicle like a car or bicycle to allow the vehicle to move easily over the ground.
Axle	A long straight rod which connects to a rotating part (e.g. the wheel of a car).
Mechanism	Parts of an object that move together to make something work.
Axle Holder	The part of a mechanism which holds the axle steady.
Chassis	The body of a car.

How do wheels move?
The wheels need to be round and balance the body of the vehicle.



The wheels need to be attached to an axle. The axle needs to fit inside the axle holder but must not be attached to the axle holder otherwise the wheels will not turn properly.

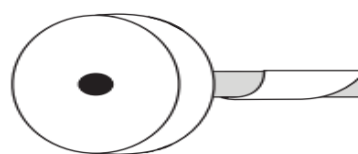
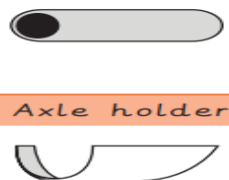
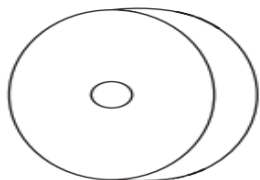
Wheels are on many objects, not just vehicles.
Have you seen any of these?



Wheel

Axle

Axle holder



Sticky Knowledge facts:

- ♦ To move, wheels need to be round and balance the body of the vehicle.
- ♦ Wheels need to be attached to an axle and the axle needs to fit inside the axle holder, but must not be attached to the axle holder, otherwise the wheels will not turn properly.
- ♦ A design is used to plan for something. It can be made, drawn or written.
- ♦ Testing is when you find out if something works as it should.

To move, wheels
need to be round
and
balance the body of
the vehicle.

Wheels need to be attached to an axle and the axle needs to fit inside the axle holder, but must not be attached to the axle holder, otherwise the wheels will not turn properly.

A design is used to
plan for something.

It can be made,
drawn or written.

Testing is when
you find out if
something works
as it should.