



Year 1 - Mechanisms - Wheels and Axles - Term 3

Key Vocabulary

Mechanism	Moving parts that work together.
Wheel	A round part that helps an object move.
Axle	A rod connected to wheels.
Axle holder	A support that holds an axle in place.
Fixed axle	An axle that stays still while the wheels turn.
Fixed wheels	Wheels attached to an axle that turns.
Base	The main body or support of a model.
Design	A plan for making a product.
Evaluate	To say what works and what could improve.

Moving with wheels

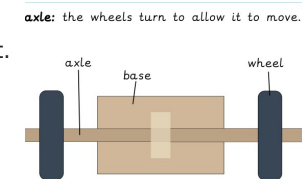
A wheel and axle mechanism allows a model to roll instead of sliding.



Vehicles can use wheels and axles.

Fixed axle

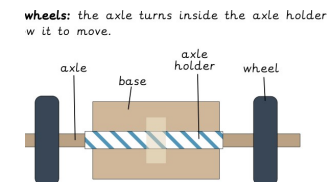
The axle stays in one place while the wheels turn around it.



The wheels rotate; the axle remains still.

Fixed wheels

The wheels turn with the axle, which rotates inside an axle holder.



The axle holder helps the axle turn smoothly.

To know statements

To develop cutting skills by shaping wheels.

To refine cutting skills by shaping round wheels.

To evaluate by comparing and discussing different wheel designs.

To create a design by drawing plans for a pull-along toy.

To apply finishing techniques by decorating a pull-along toy.

What can you remember from previous units?

What made your earlier structures stable?

What cutting and joining tools have you used?

Anything else you have learnt?

What have you enjoyed?