Mechanisms: Year 2 – Summer
Wheels and axles

The Acorn Partnership
Marston Montgomery Primary School
Long Lane C of E Primary School

Sticky Learning

- I have made vehicles with moving wheels using construction.
- I have explored moving vehicles through play.
- I have gained some experience of designing, making and evaluating products for a user and purpose.
- I have developed some cutting, joining and finishing skills with paper and card

New Learning

- I can explore and use wheels, axles and axle holders
- I can explore and evaluate a range of products with wheels and axles.
- I can generate initial ideas and simple design criteria through talking and using my own experiences.
- I can develop and communicate ideas through drawings.
- I can select from and use a range of tools and equipment to perform practical tasks such as cutting and joining to allow movement and finishing.
- I can select from and use a range of materials and components such as paper, card, plastic and wood.
- I can evaluate my ideas and my product against design criteria.

Vocabulary	Definition
Axle	A rod that goes through the middle of a wheel and helps it turn.
Axle holder	A part that keeps the axle in place.
Body	The main part of an object.
Design	A plan or idea for making something.
Evaluate	To think about how well something works and how it could be better.
Fixed	Held in place so it cannot move.
Free	Able to move easily.
Function	The job that something is meant to do.
Investigating	Looking closely and trying things out to learn how something works.
Join	To put two things together.
Make	To build or create something.
Moving mechanism	Parts that work together to make something move.
Purpose	The reason something is made (what it is for).
Rotate	To spin or turn around in a circle.
Wheel	A round part that turns and helps things move.

Mechanisms: Year 1 – Summer
Wheels and axles

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How do these vehicles work?

How can I attach my axles?

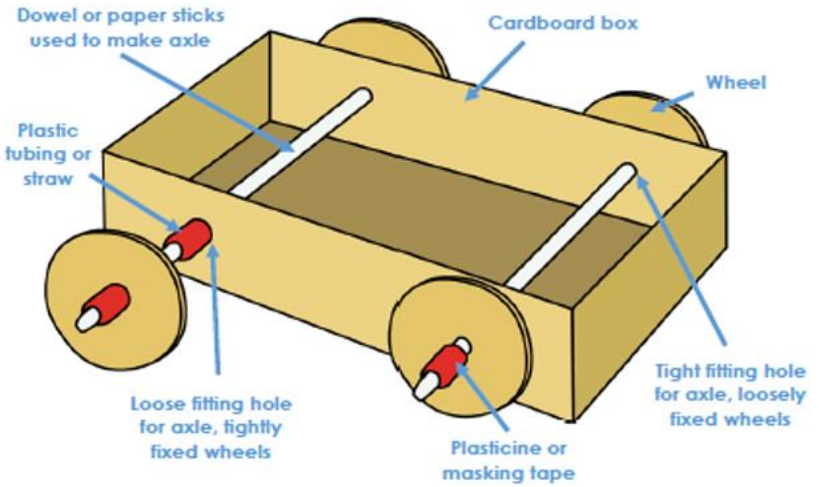
Clothes peg

Card triangles

Straw

Axles are attached firmly to the wheel so the axle rotates and the wheel moves with it.

Two different ways to fix wheels



Types of wheels