Burwell Village College Primary

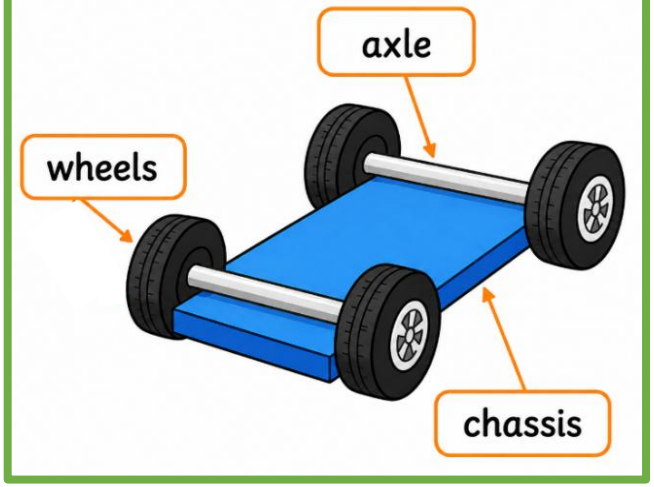
Mechanisms – Wheels and Axles

Mechanisms

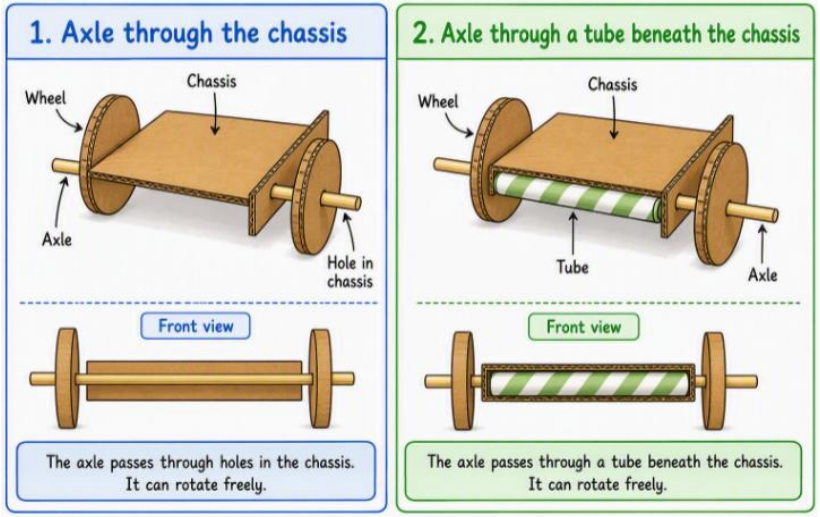
A mechanism helps an object move or do a job. **Mechanisms have a set of moving parts which work together to create movement (forward, back, up or down).** There are lots of different mechanisms including wheels and axles, levers and pulleys.

Existing Products



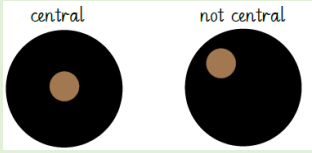


Key Vocabulary	
axle	a rod on which one or more wheels can rotate, either freely or be fixed to and turn with the axle
chassis	the base frame of a vehicle or model that holds everything together
design criteria	the specific goals that a project must achieve in order to be successful
pivot	the central point upon which a mechanism turns
product	something that has been designed and made to be used
rotate	to turn round and round in a circle around a centre point
vehicle	something that is used to carry people or things from one place to another



Pivot Point

The pivot point of a wheel needs to be central otherwise the vehicle will not run smoothly.



Sylvan Goldman

In 1937, Sylvan Goldman invented the first shopping trolley. He also invented the baggage cart. This technology helped people to transport their luggage and heavy items from one place to another.

