

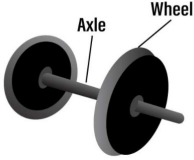


Real life examples

- Mechanisms are the parts that make something work. Wheels and Axles are mechanism that help things move.
- Different objects can have a different number of wheels and the wheels can be attached differently to the axel.
- Some examples of wheels and axles are:



- All vehicles and mechanisms with wheels and axles make a chassis. A chassis is the frame or base that the axles and wheels are attached to.

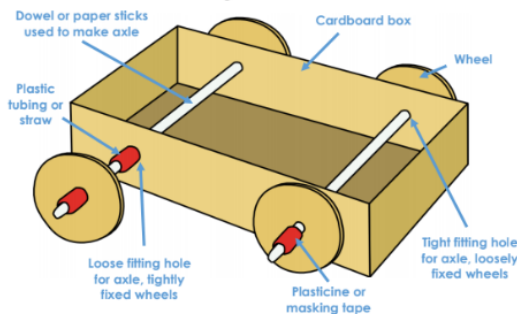
Vocabulary:

axle	a rod on which one or more wheels can rotate, either freely or be fixed to and turn with the axle	
axle holder	the part which and axle fits into and rotates	
chassis	the frame or base on which a vehicle is built	
dowel	wooden rods used for making axles to hold wheels	
friction	resistance which happens when two things rub together	
vehicle	a thing used for transporting people or goods such as a car or lorry	
wheel	a circular object that rolls on the ground helping an object move	

Steps to Success

Designing: What type of wheels will you use? How will you attach your wheels?

Types of wheels



- **Making:** How are you going to make your chassis strong?

- **Evaluating:** Does your car work? Does it match your design? What do you like about your car? What could you do to improve it?

Golden Threads

User	who the product is for
Purpose	the job your product is supposed to do
Functionality	to do the job (purpose) it is meant to do