

**Key Diagram**

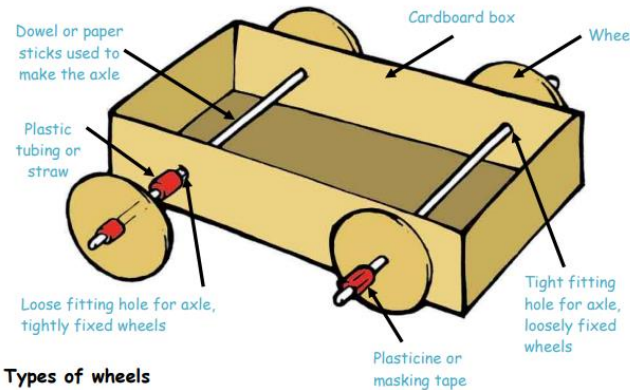


Key Information	
1.	<b>Definition of a wheel</b> – a circular object which forms part of a machine. Usually a moving part.
2.	<b>Definition of an axle</b> – a rod or bar that runs through a hole in a wheel.
2.	When you use an axle the wheel then spins in a <b>balanced</b> circle. (Wheels generally spin in a balanced circle around an axle like a bike)
4.	The first wheels were likely made from wood or stone, depending on the materials available.
5.	Doorknobs, pizza cutters, pencil sharpeners and even electric fans all use wheels and axles.

**Vocabulary**

<b>axle</b>	A rod that enables a wheel to rotate. The wheel can rotate freely on the axle or be fixed to, and turn with the axle.
<b>axle holder</b>	the component through which an axle fits and rotates.
<b>chassis</b>	the frame or base on which a vehicle is built.
<b>friction</b>	resistance which is encountered when two things rub together.
<b>dowel</b>	wooden rods used for making axles to hold <b>wheels</b> - circular object which forms a part of a machine. Usually a moving part.
<b>vehicle</b>	a thing used for transporting people or goods, such as a car or bus.
<b>cab</b>	the area of a vehicle where the driver sits.
<b>assemble</b>	to fit together separate component parts of a machine.
<b>component</b>	a small part of a larger whole (machine).
<b>mechanism</b>	part of a machine that performs a certain job (function).
<b>design</b>	a plan or a drawing showing an object that will be made
<b>evaluate</b>	to form an opinion of something
<b>purpose</b>	the reason for which something is made.
<b>user</b>	a person who uses something
<b>functional</b>	being useful or practical

Example of two different ways to fix wheels



Types of wheels

