

Overview:

We will learn about the different types of materials and how they can be cut and fixed together using different techniques. We will develop our technical knowledge through focused tasks, construction kits, observation and discussion.

We will apply our learning in a final project where we create a moving picture card. The card will have features of different cutting and fixing techniques in order to ensure the picture moves.

Key words	Definition
cutting	Changing the shape of a material for a specific reason using a sharp tool.
fixing	The action of fastening something in place.
joining	Connecting materials together for a specific purpose.
pivot	A point which a lever turns.
levers	A bar which turns around a point/pivot.

How Can I Join?

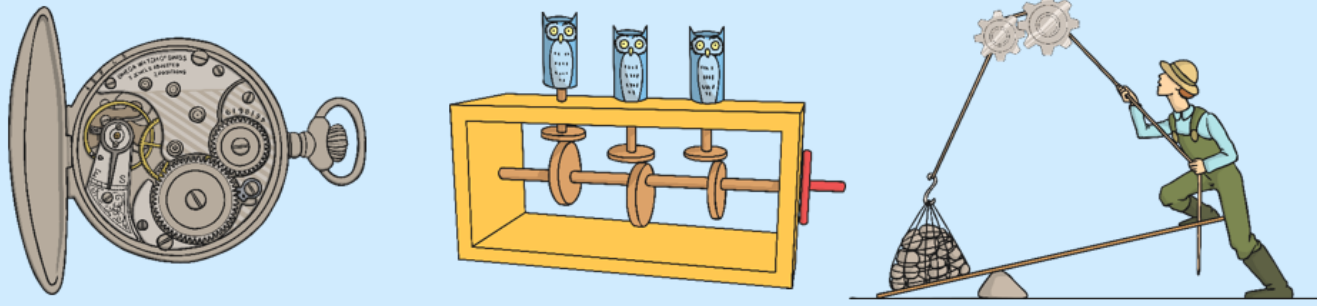
- flange
- tabs
- tie
- slot
- stick
- sew
- tape
- brace
- fold
- split pin

What Is a Joining Process?

A joining process is the way in which materials are joined together for a specific purpose.

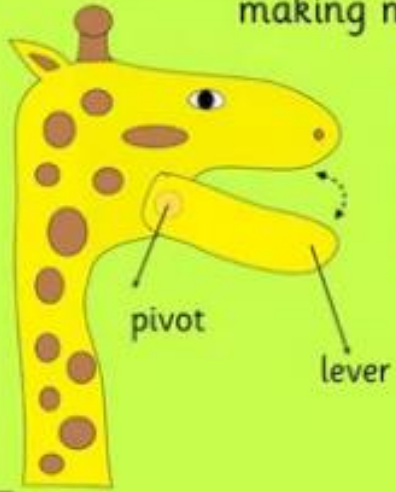


Mechanism - components acting together to make an action take place.

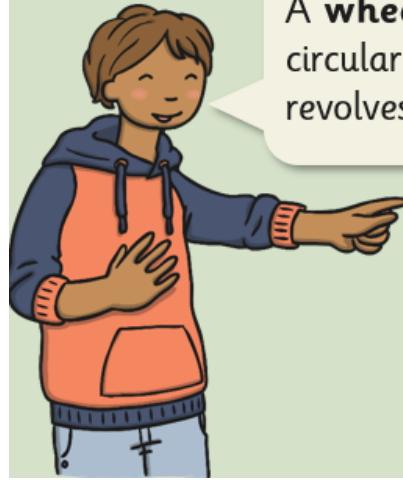




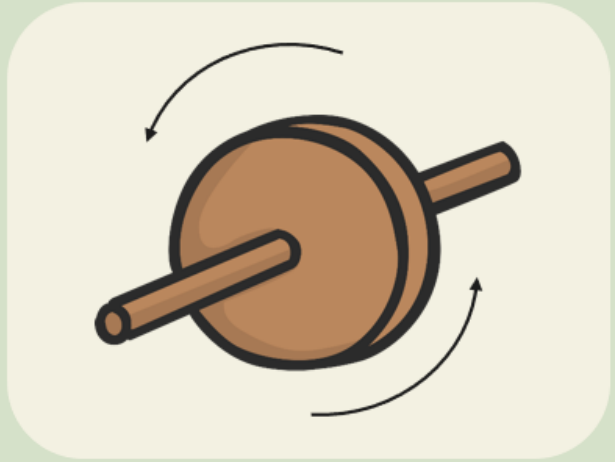
There are lots of ways levers and pivots can be used to making moving pictures.



This giraffe has a lever for the bottom part of his mouth which attached to the rest of his face by a pivot. This means his mouth can move up and down.

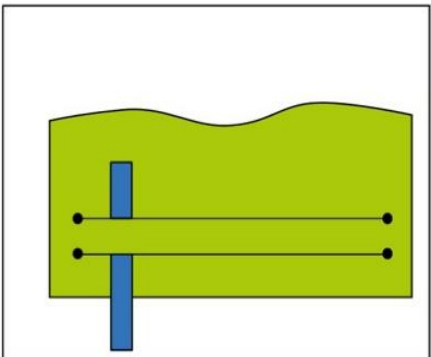


A **wheel** is a circular object which revolves on an axis.

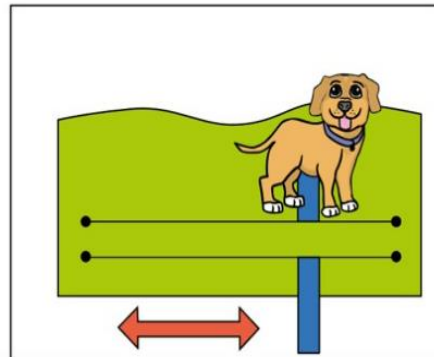


Making a Slider Mechanism 1

1. Use a hole punch to make four holes – not too close to the edge! Cut two straight lines and feed in the slider.



2. Fix a picture to the slider and move it back and forth. You can use a card strip to cover over the cuts.



The good thing about using this mechanism is that it is behind the picture so it doesn't get in the way of people seeing the picture.

The bad thing is that it doesn't show the image moving across the picture; just the image changing in one place on the picture.



You can show something getting bigger which might look like it's coming closer. You can also show something getting smaller which might look like it's moving further away.