

Skills

Knowledge

Vocabulary

# Straight cuts

Draw the lines with a pencil and ruler.

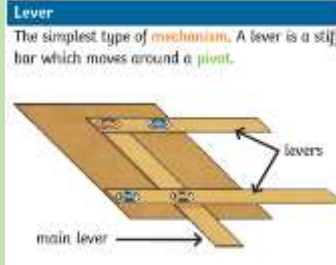
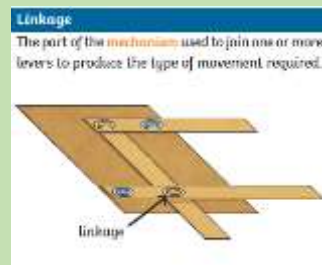
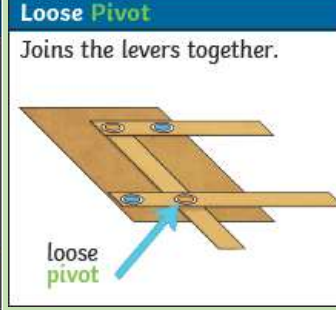
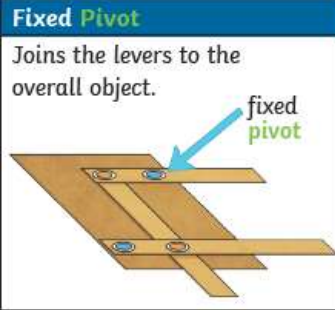


Place the metal ruler along the straight line you wish to cut. Put the ruler over the side you want to keep, this will protect it from any errors.

Spread your fingers along the ruler to prevent it from moving.

First score the material by gently running the blade along the line.

Then press a little harder to cut through the material.



**mechanism/ mechanical systems**

Something that uses related components which act together to create a movement.

**motion**

Movement from one place to another.

**pivot**

To turn on a central point.

**rotary motion**

Turning round in a circle, e.g. a wheel.

**linear motion**

Moving in a straight line, e.g. paper trimmer.

**reciprocating motion**

Moving forwards and backwards in a straight line, e.g. cutting with a saw.

**oscillating motion**

Swinging from side to side in an arc, e.g. a pendulum in a clock.

Recall: Can you remember what these words mean?

- lever and slider
- joining
- cutting
- communicate evaluate
- materials
- purpose
- design brief