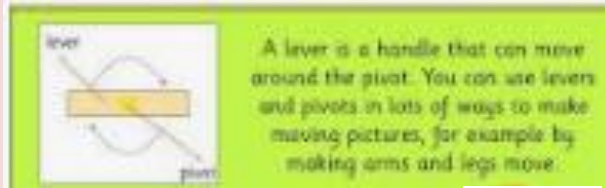


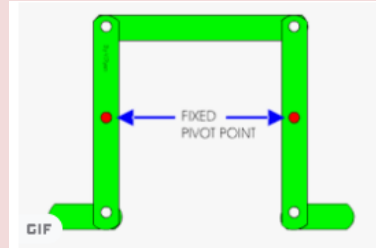
Year 3 Spring 1 Design and Technology – Mechanisms Mechanical Posters

Key facts

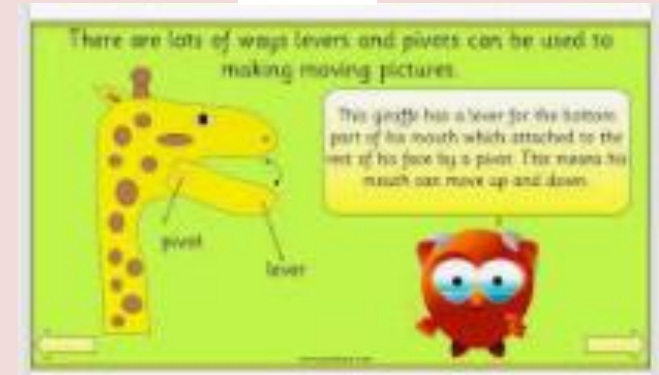
- A mechanism is when two or more components act together to make an action take place.
- A lever is a bar that moves at a point.
- A pivot moves around in a circle, staying in one position.
- Linkage is composed of links and lower pairs
- The simplest closed-loop linkage is the four-bar linkage, which has three moving links, one fixed link and four pin joints.
- A linkage with one link fixed is a mechanism.
- Making pictures and posters with moving parts makes them more interesting and appealing to look at.



lever



linkage



pivot

Vocabulary

- recycle
- mechanism
- mechanical system
- lever
- linkage
- pivot
- input
- output
- prototype

What you need to make a...

Pivot

- hole punch
- split pin
- card

Lever

- hole punch
- split pin
- card
- glue