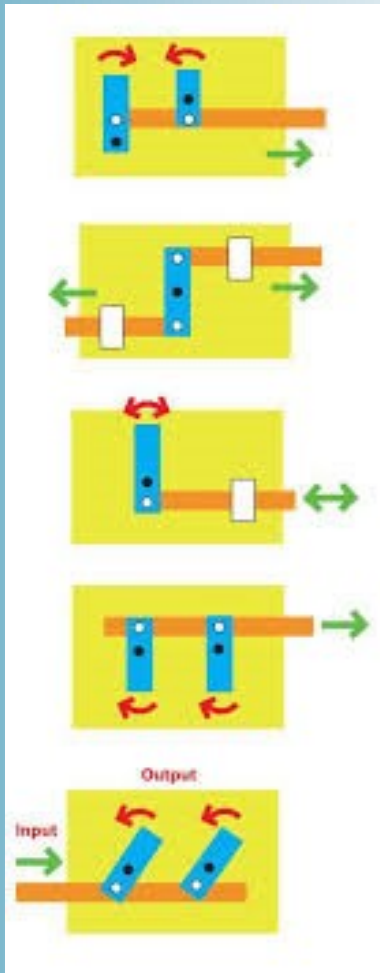


Knowledge Organiser Design Technology

Mechanical Posters Lower Key Stage 2

Levers and Linkages



Key Vocabulary

Mechanical system-a system that uses a force to produce movement

Input -movement in

Output -movement out

Lever -a stiff bar that moves around a **pivot**. It can be **loose** or **fixed**.

Loose pivot -a **split pin** that joins card strips together

Fixed pivot -a split pin that joins card strips to the backing card

Linkages -The card strips joining one or more levers to produce the type of movement required.

A **prototype** normally looks and works like the real thing. It is the first example and will be used for testing, development and evaluation

Key Questions.

Who is the target market for your finished product?

How will your poster move? Which parts will move?

How will it appeal to the user?

Which lever and linkage mechanisms will work best for your poster?

What finishing techniques will you use?

How could you improve your finished product?

How well does it meet its intended purpose?