





## Sticky Knowledge

### Key Knowledge

A mechanical poster has a mechanism which makes it more interactive for the user.

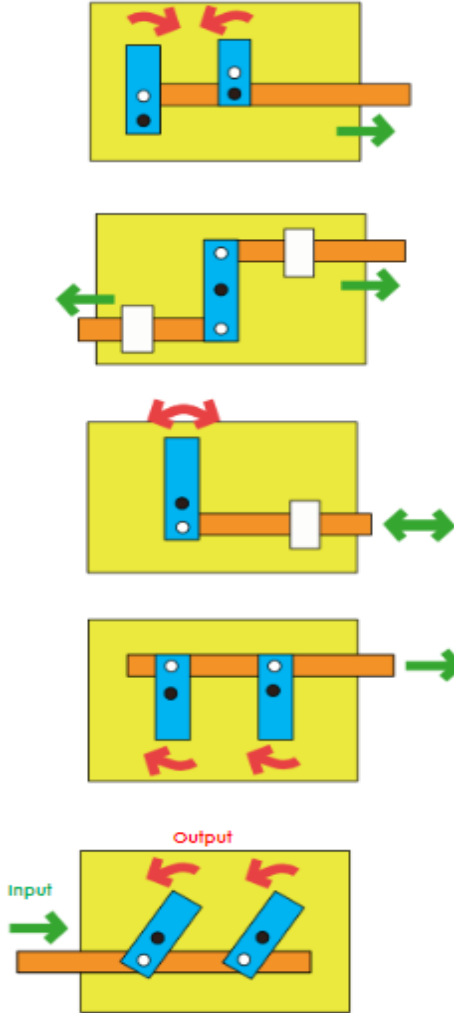
A lever and linkage can be connected using either a fixed or loose pivot.

Lever and linkage mechanisms usually produce oscillating or reciprocating movement:

-  Linear – in a straight line
-  Reciprocating – backwards and forwards in a straight line e.g. a slider
-  Rotary – round and round e.g. a wheel, cam, pulley, gear wheel
-  Oscillating – backwards and forwards in an arc e.g. a lever



● Fixed pivot  
○ Loose pivot



When you push the card strip (input movement), the two levers move (output movement).

### Design Criteria

Your mechanical poster should

- Be appealing for the user
- Have clear information displayed
- Have a working lever or linkage which moves



### Key Vocabulary

Lever	A lever is a rigid bar which moves around a pivot. Levers are used in many everyday products.
Linkage	The card strips joining one or more levers.
Mechanism	A device used to create movement in a product.
Mechanical poster	A poster with a mechanism.
Pivot	The point where something can turn.