

Y2 Autumn Term Design Technology: Levers and linkages

Enquiry Question: How do pictures move with levers, pivots and linkages?

Key Vocab

Linkage - a system of links that are joined together to change movement.

Pivot - the central point or pin on which a mechanism turns.

Slot - the hole through which a lever or slider is placed to enable part of a picture to move.

Guide or bridge - a short card strip used to keep sliders in place and control movement.

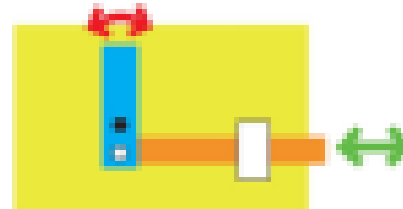
Mechanism - a device used to create movement in a product.

Lever - a rigid bar which moves around a pivot. Levers are used in many everyday products. In this project children will use card strips for levers and paper fasteners for pivots.

Slider - a rigid bar which moves backwards and forwards along a straight line. Unlike a lever, a slider does not have a pivot point.

We will explore different kinds of levers and pivots together.

- Fixed pivot
- Loose pivot



We will be creating our own moving Christmas card—a waving Santa.



Significant individual



Margaret Calvert—a graphic designer who designed all kinds of different road signs used on our roads today.

Levers can be used with or without a slot

