

Push and Pull—Mechanisms

Making a moving mechanism

DT

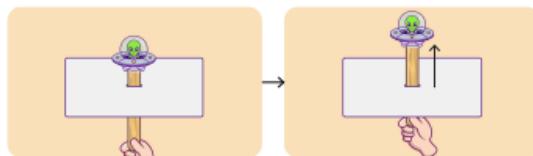
Different mechanical systems can be used to make an object move. The parts of a machine that create movement are called mechanisms.

Mechanisms include sliders and levers.



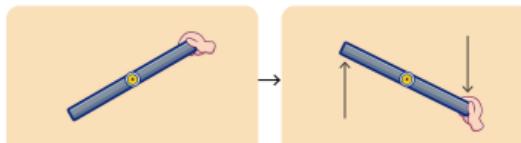
Sliders

A slider is a mechanism that moves in a straight line. This can be from side to side or up and down. It is made up of a slider and a slider guide to direct the movement. A push or pull at one end of the mechanism makes the other end move in the same direction.



Levers

A lever mechanism is a bar that moves around a fixed point called a pivot. When one end of the bar is pushed or pulled in one direction, the other end moves in the opposite direction.



Books and greetings cards often use moving mechanisms to make them more interesting. Moving mechanisms are made using stiff materials that do not bend, such as card, plastic or metal. The finished object should work well and look good.



Glossary



Lever: A mechanism consisting of a bar that moves around a fixed pivot.

Mechanism: A system of components that work together in a machine.

Pivot: A mechanism consisting of a bar that moves around a fixed pivot.

Slider: A mechanism consisting of a slider and slider guide that moves in a straight line.

