

Design and technology Knowledge Organiser

Key vocabulary

Rotate - move or cause to move in a circle round an axis or centre

Rotation - the action of rotating about an axis or centre.

Force - strength or energy as an attribute of physical action or movement.

Mechanism - a system of parts working together in a machine; a piece of machinery.

Driver - a wheel or other part in a mechanism that receives power directly and transmits motion to other parts.

Hoist rope - are used to raise and lower the loads normally handling general cargo

Groove - a long, narrow cut or depression in a hard material.

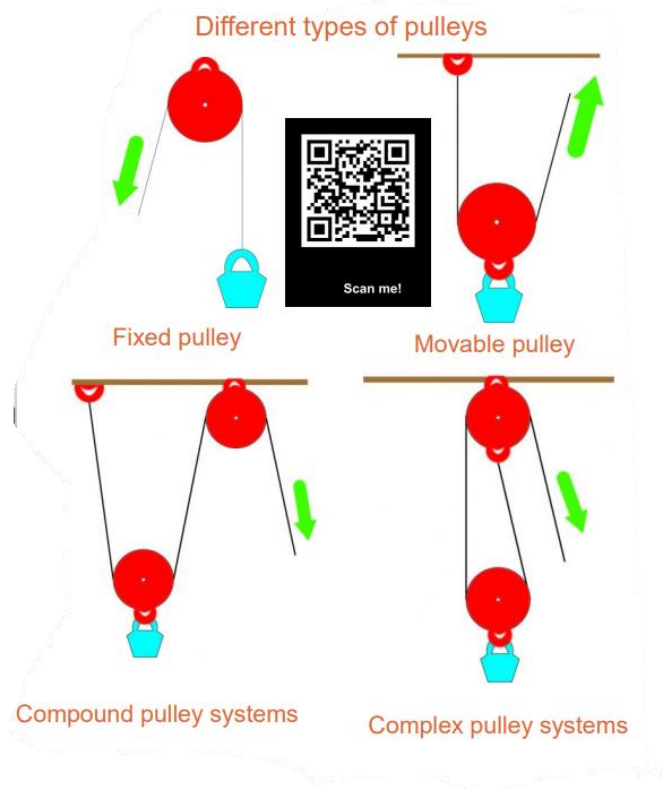
Belts - a continuous band of material used in machinery for transferring motion from one wheel to another

Crane - a large, tall machine used for moving heavy objects by suspending them from a projecting arm or beam.

Shaft - a long, narrow part or section forming the handle of a tool or club, the body of a spear or arrow, or similar.

Pulley - a wheel or drum fixed on a shaft and turned by a belt, used for the application or transmission of power.

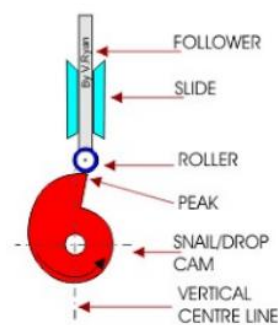
Counter weight - a weight that, by applying an opposite force, provides balance and stability of a mechanical system



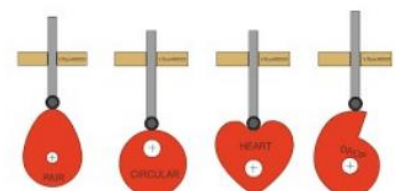
See a moving Cam -scan the QR code

What is a Cam?

A CAM changes the input motion, which is usually rotary motion (a rotating motion), to a reciprocating motion of the follower. They are found in many machines and toys



Different types of Cams?



Concepts and Values

Community, resilience, consequences, survival, fairness, togetherness