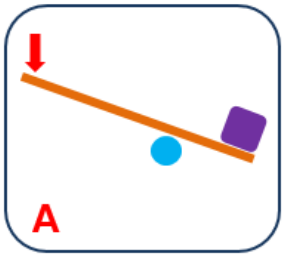


Fairgrounds

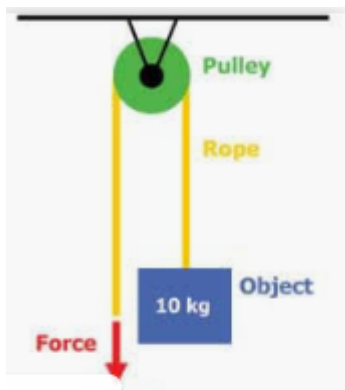
lever



gear




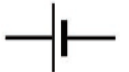
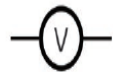



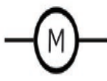



pulley



Key ideas –

- Mechanisms allow a smaller force to have a greater effect.
- Levers can change the direction of a force or increase it's power.
- Gears will allow faster, weaker movement or stronger, slower movement. They can also change the direction of a force.
- Pulley can change the direction of a force and reduces force required to lift an object.
- Cams change the direction and/or motion path of a force.
- Gravity— a force which pulls objects down towards the Earth
- Air resistance—a force that acts on an object moving through air.
- Water resistance— a force that acts on an object moving through water.
- Friction— a force between two surfaces that are sliding, or trying to slide, along each other.

				
battery	closed switch	open switch	cell	voltmeter
				
buzzer	lamp	lamp	motor	wire

Key Vocabulary

Gears	mechanism
Pulleys	fulcrum
Levers	pivot
Circuit	rotate
Cam	force