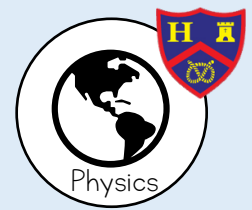


Forces and Magnets

Year 3



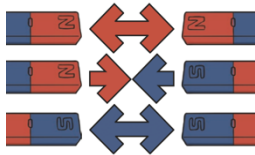
Review:

What should I already know?

- How to identify and group materials based on their properties.
- How to distinguish between an object and the material it is made from.

Essential knowledge

- Things can move differently on different surfaces.
- A force is a push or pull that acts upon an object.
- Some forces need direct contact and some don't.



- Magnets have 2 poles and can attract or repel each other.
- Materials that are attracted to magnets are magnetic.
- Materials that are not attracted to magnets are non-magnetic.
- Most metals are magnetic, but not all of them.

Vocabulary

Physics	Physics is all about the Earth and how it works.
Working Scientifically	Working scientifically is about answering scientific questions.

Force	A push or pull that acts upon an object.
Magnet	A magnet produces a magnetic force.
Poles	Each end of the magnet where the force is strongest.
Repel	To push away.
Attract	To pull towards.

Magnetic	Non-magnetic

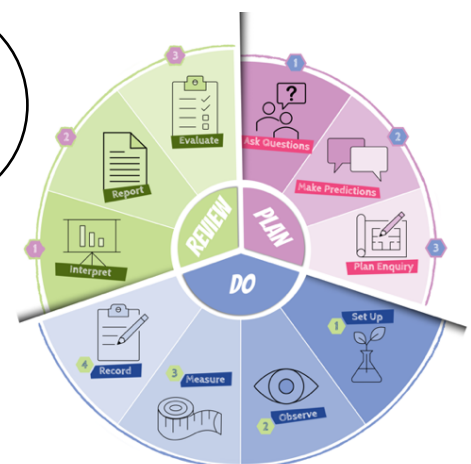
Working scientifically

Our enquiry focus:

Observing Changes Over Time	Pattern Seeking	Identifying, Grouping & Classifying	Fair Testing	Research
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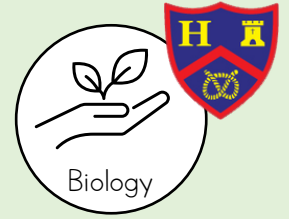
Our working scientifically skills:

PLAN	Plan enquiry	DO	Observe
DO	Measure	REVIEW	Interpret



Plants

Year 3



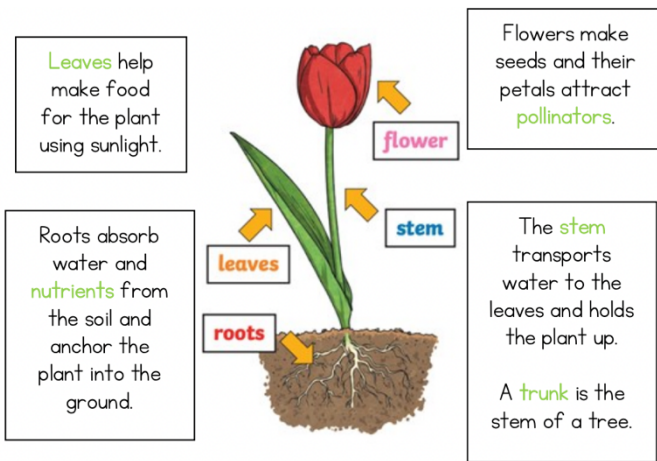
Review:

What should I already know?

- I know that seeds and bulbs grow into mature plants.
- I know that plants need water, light and a suitable temperature to stay healthy.

Essential knowledge.

- Identify and describe the function of different parts of a flowering plant: **roots**, **stem/trunk**, **leaves** and **flowers**.



- Plants have certain requirements to live and grow: water, nutrients from the soil, light, air and room to grow.
- Flowers reproduce through a journey of pollination, seed formation and seed dispersal.

Vocabulary

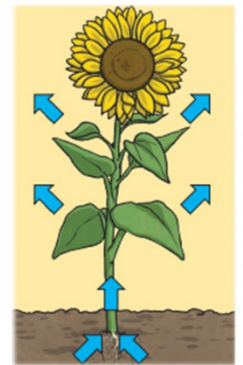
Biology	Biology is all about living things.
Working Scientifically	Working scientifically is about answering scientific questions.

Function	What something's job is.
Nutrients	Something that are needed by living things to grow and survive.
Seed Dispersal	Moving the seeds away from the parent plant so they can grow new plants.
Pollination	When pollen is moved from one plant to another to create seeds.
Transportation	The movement of water and nutrients to all parts of the plant for its survival.

How is water transported through a plant?

- 1) The roots absorb water from the soil.
- 2) The stem transports the water to the leaves.
- 3) Unused water leaves the plant through the leaves.

The water is sucked up the stem like water being sucked through a straw.



Working scientifically

Our enquiry focus:

Observing Changes Over Time	Pattern Seeking	Identifying, Grouping & Classifying	Fair Testing	Research
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Our working scientifically skills:

PLAN	Ask questions	DO	Observe
DO	Set up enquiry	Do	Measure

