

Science

Year 2

Term by Term Coverage

The logo for Fairisle Infant and Nursery School features the school's name in a red, curved font. Below the text is a red silhouette of three stylized figures holding hands, representing a family or a group of children.

Expect Success

Explore 

Autumn 1: Materials

Can you say what we will be learning about in our topic 'Pirates'?

By the end of this half term, children should know:

- about the properties of different materials
- materials that are waterproof
- materials that are rigid
- materials that are flexible
- how to select an appropriate material for a given job

Vocabulary:

Absorb: soak up liquid such as water

Flexible: bendy

Metal: hard and shiny material

Materials: what things are made of

Opaque: not see-through

Physical: about the way something can be felt, seen or heard

Plastic: man-made material that can be easily shaped

Properties: the ways materials behave

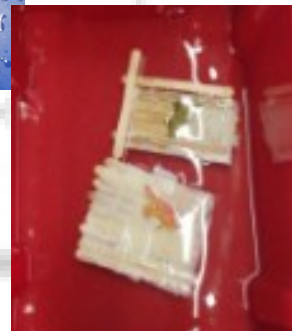
Rigid: unable to be bent or forced out of shape

Rough: bumpy, not flat

Smooth: flat, even

Transparent: see-through

Waterproof: does not let in water



Autumn 2: Living Things and their habitats

Can you say what we will be learning about in our topic 'Remember, Remember'?

By the end of this half term, children should know:

- how animals and humans adapt to survive in cold regions
- different animals that live in cold regions
- different plants that live in cold regions
- the basic needs of animals and humans for survival

Vocabulary:

Adaption: the process of change by which animals and humans become better suited to its environment

Basic Needs: the needs living things require to stay alive

Cold regions: Arctic and Ant-arctica

Regions: an area as having definable characteristics

Survive: continue to live or exist



Spring 1: Plants

Can you say what we will be learning about in our topic 'Fire! Fire!'?

By the end of the year, children should know:

- plants need water to grow and stay healthy
- plants need light to grow and stay healthy
- plants need light to grow and stay healthy
- plants need a suitable temperature to grow and stay healthy
- what all living things have in common

Vocabulary:

Bulbs: rounded base of the stem of some plants

Germination: when a seed starts to grow

Growth: increasing in height and weight

Healthy: being well and in good shape

Mature: fully grown

Plant: living things that grow from the soil and turn light from the sun into food

Reproduction: process of making new life

Seed: small parts produced by plants from which new plants grow

Survival: to keep living

Temperature: the amount of heat in something



Spring 2 : Materials

Can you say what we will be learning about in our topic 'The Unsinkable Journey'?

By the end of the year, children should know:

- how to categorise materials and state what they are used for
- what happens when we squash, bend, twist or stretch a material
- how to make predictions and record results

Vocabulary:

Categorise: to put into groups that have common characteristics

Material: what things are made of

Squash: to press, beat or crush

Bend: change its shape from bent to curved

Twist: to bend or turn things in opposite directions

Stretch: to lengthen or extend

Prediction: using knowledge to say what may happen next

Record: to set down in writing

Results: the outcome of an action

Properties: the ways materials behave



Summer 1: Living Things and their habitats

Can you say what we will be learning about in our topic 'Fantasy Creatures'?

By the end of the year, children should know:

- what a microhabitat is
- the habitats within the school grounds
- how living things depend on each other
- whether things are living, dead or never been alive

Vocabulary:

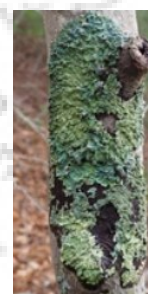
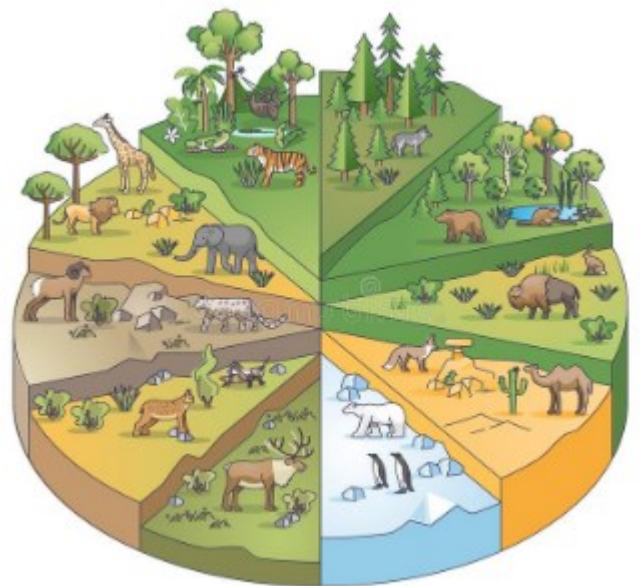
Dead: no longer alive

Habitat: places where animals and plants live

Living things: things which grow, move, breathe and reproduce

Microhabitat: a very small part of a habitat

Never been alive: never been able to grow, move, breathe and reproduce



Summer 2 : Animals, including Humans

Can you say what we will be learning about in our topic 'Mighty Minibeasts and Healthy Humans'?

By the end of the year, children should know:

- that animals, including humans, have offspring that grow into adults
- how to describe the changes to animals as they grow
- what a predator is
- what prey is
- about food chains
- the importance of exercise and hygiene



Vocabulary:

Food chains: shows how energy is passed between plants and animals

Offspring: the reproductive processes of a person, animal or plant

Adults: human or other organism that has reached maturity

Predator: animal that hunts another animal for food

Prey: animal hunted by another animal for food

Exercise: activities to keep you fit and healthy

Hygiene: actions that keep you clean and healthy

