

Knowledge Organiser: Weather Patterns



Content:

- Human and physical geography

Key Questions

Can I describe how the weather patterns are different in each season?

Can I observe weather patterns and draw a simple weather chart to show this?

Can I describe how the weather affects us?

Can I describe how different instruments can be used to measure and record the weather?

Vocabulary

Seasons	The year is divided into four seasons: spring, summer, autumn and winter
Temperature	A measure of how hot or cold something is.
Thermometer	An instrument used to measure temperature
Weather	The condition outside for example raining, sunny or windy.
Climate	The normal weather of a place over time.
Predict (or forecast)	To say what the weather will be like the next day or for the next few days.
Country	An area of land, that makes up part of a continent.
Cold	Something that is cold has a very low temperature.
Hot	Something that is hot has a high temperature.
Observations	What you notice when you look carefully at something
United Kingdom (U.K)	Made up of England, Northern Ireland, Scotland and Wales.

Weather Types

Sunny	
Cloud and sun	
Windy	
Rain	
Snow	
Stormy	
Rainbow	

Spring	Summer	Autumn	Winter

Knowledge Organiser: Living Things and Habitats



What do I know to help me:

I know some similarities and differences between the natural world and contrasting environments. I understand some important processes and changes in the natural world, including the seasons and changing states of matter.

Key Vocabulary

adapt

environments

habitat

carnivore

herbivore

omnivore

criteria

nutrition

producer

consumer

predator

prey

Key Questions

Can I explore and compare the differences between things that are living, dead, and things that have never been alive?

Can I identify the basic needs of different kinds of animals and plants, and how they depend on each other?

Can I identify and name a variety of plants and animals in their habitats, including micro-habitats?

Can I describe how animals obtain their food from plants and other animals, using the idea of a simple food chain, and identify and name different sources of food?

Definitions

Adaptation Animals gain special features that help them to survive in their habitat

Habitat Where an animal lives

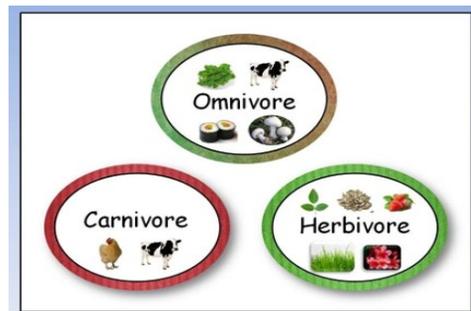
Herbivore A living being that only eats plants

Carnivore A living being that only eats meat

Omnivore A living being that eats both meat and plants

Food Chain A chain that starts with a producer and shows the way food is consumed

Nutrition Getting food to stay alive



Knowledge Organiser: Plants



What do I know to help me:

I know some similarities and differences between the natural world and contrasting environments. I understand some important processes and changes in the natural world around them, including the seasons.

Key Vocabulary

plant

root

stem

leaves

seed

disperse

flower

deciduous

evergreen

arable farming

crops

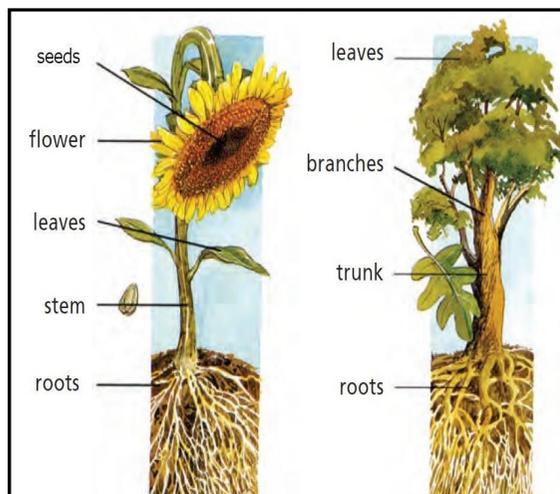
Key Questions

Can I identify and name a variety of common wild and garden plants, including deciduous and evergreen trees?

Can I identify and describe the basic structure of a variety of common flowering plants, including trees?

Can I observe and describe how seeds and bulbs grow into mature plants?

Can I find out and describe how plants need water, light and a suitable temperature to grow and stay healthy?



Deciduous Trees	Evergreen Trees
Lose their leaves during autumn.	Keep their leaves all year around.
e.g. Oak Tree	e.g. Fir Tree

Definitions

Root	The part of a plant that acts as an anchor, fixing the plant into the ground. They also absorb water and minerals to help the plant to grow.
Stem	The part of the plant that grows above the ground. The leaves and flowers grow from it. The stem is also used to transport water and minerals around the plant.
Leaves	A plant's leaves absorb sunlight and turn it into energy that the plant uses to grow.
Disperse	To spread out over a wide area.
Arable farming	Farming that grows plants, usually for people to eat.
crops	Plants grown by farmers.