

Our Beautiful World

What strand of science is this?

This is **biology**. Biology is the study of living things.



Seed	The part of a seed plant which can grow into a new plant.
Bulb	A large food source that helps a plant to grow
Plant	Living things that grow from the soil and turn light from the Sun into food
Germination	The process in which the seed or bulb begins to grow into a plant
Growth	An increase in size
Survival	Living things have special features to help them to survive (stay alive) in their habitats
Life cycle	The different stages of life for a living thing
Root	A part of a plant that is usually hidden underground. Roots have several purposes. They hold the plant in the ground and keep it upright. They take water and food from the soil.
Stem	The main structure that supports leaves and flowers.
Light	The energy needed for a plant to grow. A source of light is the Sun.
Leaves	Take energy from the Sun and provide food for the plant.
Flower	The part of the plant that blossoms.
Disperse	To spread or scatter
Pollination	The process that allows plants to reproduce.

Key knowledge:

The 'Big Ideas' in Science are:

INVESTIGATION

I am a scientist because I ask questions about the world around me and investigate my ideas.
This is how I increase my knowledge and understanding.

EXPLANATION

I am a scientist because I try to explain how and why things happen.

OBSERVATION

I am a scientist because I try to explain changes in the world around me carefully.

Key knowledge: Science is knowledge about the natural world, that is based on facts learned through experiments and observation.

Know how a seed or bulb grows into a mature plant (**observation, explanation, investigation**)

Know how represent a life cycle (**observation, explanation**)

Know how a seed or bulb is produced (**observation, explanation**)

Know that a plant needs water and light to grow and stay healthy (**observation, explanation, investigation**)

Know why a plant needs water and light to grow and stay healthy (**observation, explanation, investigation**)

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Words I need to know and use:

Geography

Big ideas: Location, diversity, impact

Equator, hotter, colder, maps, atlases, Namibia, climate, weather, ecosystems, weather patterns, distribution, environmental impact, ice caps, climate change, human activity, globes, atlases, locate, countries, continents, oceans

The focus of this topic is science and geography.



Books and Websites to look at :

The Extraordinary Gardener by Sam Boughton

Somebody Crunched Colin by Sarah Roberts

The Amazing Plant Life Cycle Story by Kay Barnham

Purple Mash - Science — Plants

