



English

Launch Text: The Promise by Nicola Davies

Writing

To know how to write a sequel to The Promise. To know how to write a science explanation text on how to care for plants. To know how to write a persuasive letter to care for the environment. To know how to describe emotions. To know how to use a/an appropriately. To know how to use the perfect present tense.

Spelling

To know how to spell words with a range of prefixes (mis- and dis-) and suffixes (er/ed/en and ing).

Reading

To know how to infer character's feelings, thoughts and motives and justify using evidence from the text. To know how to answer comprehension questions using a range of texts.

Bluebell Class – Spring Term 1

What do plants need to thrive?



Trip:
The Living Rainforest - £ (approx.)

Physical Education

Swimming

To know how to co-ordinate breath in time with basic strokes showing some consistency in timing. To demonstrate a fair level of technique, consistently co-ordinating the correct body parts in a range of strokes. To know how to float on front and back using different shapes with increased control.

Gymnastics - rolling

To know some muscle groups used in gymnastic activities. To know what they need to do to get ready to play games. To carry out warm ups with care and an awareness of what is happening to their bodies. To know when their heart rate, temperature and breathing rate have changed.

Computing

Touch Typing

To know how to touch type with growing speed and accuracy.

French

Food:

To know how to engage in conversations and ask and answer questions. To know the vocabulary I need to use when talking about food. To know the key features and patterns of basic grammar in the context of food.

Science

Plants

To know how to identify and describe the functions of different parts of flowering plants: roots, stem/trunk, leaves and flowers. To know the requirements of plants for life and growth (air, light, water, nutrients from soil, and room to grow) and how they vary from plant to plant. To know how to investigate the way in which water is transported within plants. To know the part that flowers play in the life cycle of flowering plants, including pollination, seed formation and seed dispersal.

Animals, including humans and nutrition (DT link)

To know that animals, including humans, need the right types and amount of nutrition, and that they cannot make their own food; they get nutrition from what they eat. To know that humans and some other animals have skeletons and muscles for support, protection and movement.

DT

To know how seasonal fruits in Britain are grown and processed. To know why vegetables form an important part of a healthy and varied diet. To show what you know about eating seasonal food as part of a healthy, varied diet. To explore and evaluate a range of existing products. To use your knowledge the basic principles of a healthy and varied diet to prepare dishes. To know the different food groups and name food from each food group. To know that food has to be grown, farmed or caught in the UK, Europe and the wider world. To use a wider variety of ingredients and techniques to prepare and combine ingredients safely.

Maths

Multiplication and Division:

To know how to multiply and divide a 2-digit number by a 1-digit number and link multiplication and division.

Length and Perimeter:

To know how to measure in mm, cm and m. To know how to add and subtract length. To know how to measure perimeter.

Personal, Social and Health Education

Jigsaw Piece - Dreams and Goals

To know about specific people who have overcome difficult challenges to achieve success. To know what dreams and ambitions are important to them. To know how they can best overcome learning challenges. To know that they are responsible for their own learning. To know what their own strengths are as a learner. To know what an obstacle is and how they can hinder achievement. To know how to take steps to overcome obstacles. To know how to evaluate their own learning progress and identify how it can be better next time.

Music

Charanga – Three Little Birds

To know about reggae music.

Religious Education

Is a Jewish child free to chose how to live?

To explore the impact Jewish beliefs have on the life of a child.

Year 3 – Spring 1- Knowledge Organiser

Enquiry Question: What do plants need to thrive?



Subject Specific Vocabulary	
Flower	Flowers make seeds to grow into new plants. Their petals attract pollinators to the plant.
Leaves	Leaves make food for the plant using sunlight and carbon dioxide from the air
Stem/trunk	The stem or trunk holds the plant up and carries water and nutrients from the soil to the leaves. A trunk is the stem of a tree.
Roots	Roots anchor the plant into the ground and absorb water and nutrients from the soil.
Petal	A petal is a modified leaf that protects and surrounds the reproductive parts of a flower. They are brightly coloured in order to attract pollinators, thereby enabling the process of plant reproduction.
Soil	Soil is a mixture of minerals and organic material that covers much of Earth's surface.
Reproduction	Plant reproduction is the creation of new plants by one or more parent plants.
Seed	Seeds are the small parts produced by plants from which new plants grow.
Dispersal	Dispersal is the means by which a plant ensures its seeds are spread as far as possible from the parent plant, to give the seeds the best chance of germination.
Pollination	Pollination is the process that allows plants to reproduce.
Fertilisation	Pollen reaches the new flower and travels to the ovary where it fertilises egg cells (ovules) to make seeds. This is fertilisation.
Absorb	To take in or suck or swallow up.
Nutrients	Nutrients are needed by living things to grow and survive. Plants get nutrients from the soil and also make their own food in their leaves.
Transportation	Transportation is the process that involves the movement of water and necessary nutrients to all parts of the plant for its survival.

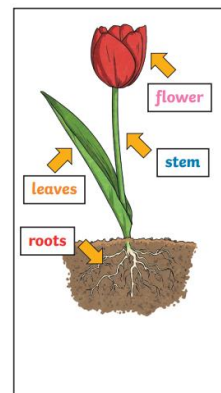
Key Knowledge

What Does a Plant Need to Grow?

water light nutrients from the soil air room to grow

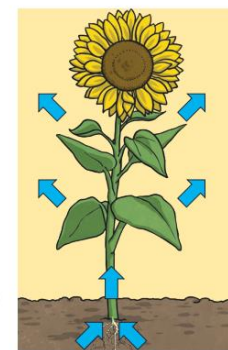
Different plants vary in how much of these things they need. For example, cacti can survive in areas with little water, whereas water lilies need to live in water.

Images and Diagrams

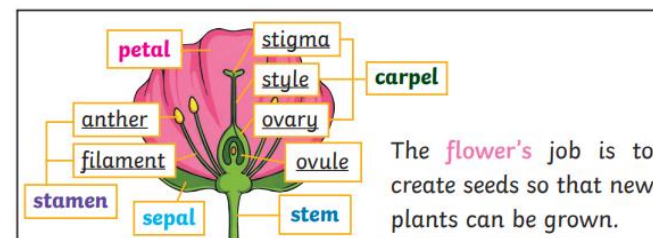


How Water Moves through a Plant

1. The **roots** absorb water from the soil.
2. The **stem** transports water to the **leaves**.
3. Water **evaporates** from the **leaves**.
4. This **evaporation** causes more water to be sucked up the **stem**.



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



The **flower's** job is to create seeds so that new plants can be grown.