

Mackintosh Classes (Year 3 & 4)

Spring 2 2024 - 2025

It grows

Intent

In this unit of work we will learn about the key conditions needed for plants to germinate, grow and live healthily. We will build on our existing knowledge of living things and compare how plants are similar and different to humans and animals.

We will use our geographical skills to think about how the varying climates around the world affect the plants and trees that grow there in different areas.

Within the topic we will continue to learn about the impact of the water cycle and how water is a vital element for all living things.



Community

As members of the local and global community, we will think about how we can look after the environment and how our actions can affect wildlife living in rivers and seas.

British Values

As British citizens, we will explore the value of individual liberty to consider how we can enjoy the waterways of Yorkshire whilst taking personal responsibility for our own safety and decision making.

Outdoor/Environmental

We will consider the impact that geographical features such as rivers have on the local community, and how we can look after the wildlife that lives in our waterways.

PSHCE

As happy, healthy individuals, we will consider how we can enjoy the environment and particularly waterways in the locality to benefit our wellbeing.

We are also studying...

Music: Lean on me

RE: What do Christians believe about a good life?

Art: Sketching

French: Ça pousse! (It grows)

PE: Handball / dodgeball

Areas of Learning

As scientists, we will learn about the ideal conditions for growing plants. We will find out the function of the parts of plants and find out how water is transported within them. We will learn about the life cycle of plants and how seeds are used to produce new plants.

As geographers, we will learn about the key world geography including the equator, hemispheres and the tropics. We will learn about how the position of countries related to these key points on the earth determines the climate and the types of plants that grow there.

As designers, we will consider how greenhouses can be used to provide the best conditions for growing plants and will design and make our own greenhouses to look after a growing plant.

As computer users we will learn to create and edit audio recordings. We will use this learning to help share and present our learning across the unit of work in alternative, more accessible ways.

Key learning this term

English

Key Texts:

- Non fiction – Once Upon a Raindrop
- Range of guided reading covering various genres over the term
- reading books that are structured in different ways and reading for a range of purposes
- discussing words and phrases that capture the reader's interest and imagination
- drawing inferences such as inferring characters' feelings, thoughts and motives from their actions, and justifying inferences with evidence
- identifying main ideas drawn from more than 1 paragraph and summarising these
- identifying how language, structure, and presentation contribute to meaning

Maths

Fractions

- recognise and use fractions as numbers: unit fractions and non-unit fractions with small denominators
- recognise and show, using diagrams, equivalent fractions with small denominators
- add and subtract fractions with the same denominator within one whole [for example, $\frac{5}{7} + \frac{1}{7} = \frac{6}{7}$]
- compare and order unit fractions, and fractions with the same denominators
- solve problems that involve all of the above

Mass & Capacity

- measure, compare, add and subtract: lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml)
- convert between different units of measure [for example, kilometre to metre; hour to minute]

Important Information

- PE – children should come to school wearing their PE kits on PE days this term.
- Year 4 will go swimming on Mondays.

Sticky Knowledge

Parents/Carers can help children by discussing these essential facts and skills with their children.

Science

- Know the function of different parts of flowing plants and trees
- Know how water is transported within plants
- Know the plant life cycle, especially the importance of flowers
- Know how nutrients, water and oxygen are transported within animals and humans

History

n/a

Geography

- Know the names of four countries from the southern and four from the northern hemisphere
- Know where the equator, tropic of Cancer, Tropic of Capricorn and the Greenwich meridian are on a world map
- Know what is meant by the term 'topics'

Key Vocabulary

Nouns	Verbs	Adjectives	Specific
stem leaf root life cycle pollen petal equator tropic flower	germinate reproduce pollinate disperse protect water grow	blossoming leafy bushy colourful spiky attractive feathery hardy	stigma stamen anther filament photosynthesis