

# What I Need to Know: Y3 Science - Plants

*We nurture the curiosity to learn, the courage to lead and the compassion to care.*

By the end of this unit we will have an understanding of the life cycle of plants, (germination, pollination, seed formation and seed dispersal) We will explore the conditions plants need for life and be able to describe the function of the different parts of flowering plants.



## Create, Communicate & Evaluate

- Create a working model of a plant (communicate my findings orally and in writing using appropriate scientific vocabulary)



## Question, Reason, Discuss & Explain

- Investigate the way in which water is transported within plants
- Explore the part that flowers play in the life cycle of plants, including pollination, seed formation and seed dispersal
- Investigate seed germination/plant growth (ask questions, systematic and careful observations over time, look for patterns, use evidence to answer questions and draw conclusions)
- Explore the conditions plants need for life and growth (air, light, water, nutrients from soil and room to grow) and how they can vary from plant to plant



## Know & Do

- Name and describe the functions of different parts of flowering plants; roots, stem/trunk, leaves and flowers
- Know the 7 life processes (MRS GREN)

## Vocabulary I need to know...

photosynthesis, pollen, insect/wind pollination, male, female, seed formation, seed dispersal (wind dispersal, animal dispersal, water dispersal), air, nutrients, minerals, soil, absorb, transport

## Opportunities to support English and maths

- Skim and scan texts to retrieve information or quotes quickly and accurately
- Summarise main ideas from more than one paragraph
- Make and justify inferences with appropriate evidence from the text
- Provide reasoned justifications for their views, quoting evidence from across a text

## Curriculum Links and Enrichment Activities