#### Year 3



# Working Scientifically - Plants

### What I could investigate

Magnifying

Do plants need room to grow?



How does water transport

within plants?

Sorting ring to sort seeds

glasses for

observing dosely

Equipment I could use



How do seeds disperse?

A diary and calendar to record changes over time

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Camera pencil and paper to record what I find out.





Key Vocabulary and Phrases ask questions Use the question words What, where, when why, how Something that you are able to change or adapt for variable example, temperature, position, size Look at two or more objects and describe similarities (what compare and is the same) and differences (what is different) contrast Organise plants by their features (e.g. colour, size, shape). sort and group Observe closely the changes of on object (in this case seeds observe and describe changes and the growth of plants), and describe the similarities and differences from the start time to the end time. over time length using centimetres, measure mass using grams volume using millilitres Time using second, minutes and hours A labelled picture diagram Drawings, diagrams, photos, charts and tables, writing record and numbers to show what I have found out.

### How I could record my findings

Pictures

For EXPLORING

#### Table For FAIR TESTING/PATTERN SEEKING What I Change What I (Height of measure slope) (Distance trovelled) Use this to record your Information. You can transfer

It into some of the other forms

as well. If could be all

numerical or words

Use this if you want to tell the story of what you did or what you observed, e.g. bread going mouldy



Use this If you have only 1 set of numerical (confinuous) data and the other is words. e.a. type of material and volume of water it can hold

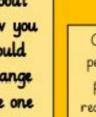
# For CLASSIFYING/GROUPING



Ise this to show how objects are grouped together and any that could be in either group. You can use more than 2 circles or groups, e.g. animals that five on land or on water, with those that do both in the middle

about how you could change the one variable.

Think



# Venn Diagram

# Year 3

# 9 Science

## Plants

What We Need to Know			
Functions of the main parts of a plant	Flowers: They have colour and smell to attract insects.  Leaves: They change carbon dioxide and water into food for the plant and oxygen.  Stem: Hold the plant up and carry water from the roots.  Trunk: The main woody stem of a tree.  Roots: Hold the plant in the ground and soak up water and minerals.		
How plants grow and survive	Plants need light, water, air and nutrients from soil to survive. They also need room to grow which varies from plan to plant.		
Parts of a flower	Petal     Sepal     Carpel     Pollen     Stamen     Stem     Ovule		

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Key Vocabulary and Phrases			
Petal	The colourful part at the end of a stem		
Stamen	The male part of a flower containing pollen		
Carpel	The female part of a flower containing pollen		
Fertilisation	When pollen and egg join together to make a seed		
Seed Dispersal	Spreading seeds over a wide area		
Seed Formation	The way the seed develops and takes shape		
Pollen	A powdery yellow substance from the male part of a flower		
Pollination	The transfer of pollen to the plant to allow fertilisation.		
Nectar	A sweet liquid in flowers that attracts insects		

5-	Pollen	1	1	Petal
( Anthe		108	Par	Stigma Carpel
Stamen Filam	nent -			Overy
	Sepal —	West of the second seco		— Ovule
				_ Stem

F	How do seeds disperse?		
birds	Birds eat seeds but they do not digest then proper so they drop them out in their poo		
wind	Some seeds are light enough to be carried in the wind		
water	Some seed travel along rivers and water courses.		
explosion	Some seeds burst out of there pods.		

How does pollen get from one plant to another?		
Insects	The insect goes to the first flower looking for nectar. Pollen gets stuck to it, when it goes to another flower the pollen gets stuck to that flower.	
Wind	Pollen is blown from one flower to another.	