



**Tier 3 Vocabulary**

Comparative test	comparing different materials or objects
Disperse	To break up and scatter
Fair test	a controlled test where you only change one variable
Flower	the part of the plant where seeds are made
Function	a job or process
Germinate	when a seed starts to grow and produce a root and shoot
Leaves	catch sunlight and uses this to make food
Life cycle	the stages a living thing goes through during it's life
Nutrients	materials in the soil that help nourish plants.
Petal	part of the flower that attracts insects, often brightly coloured
Photosynthesis	how green plants make their own food
Pollen	dust-like powder made in the stamen of a flower
Pollination	transferring pollen from male part of a flower to the female stigma so that new plants can be made
Plant	a large group of living things that use sunlight to make their own food.
Root	helps anchor the plant to the soil and takes
Root hairs	tiny hairs on a root that take water and nutrients from the soil
Seed dispersal	the way seeds get from the parent plant to a new place so that they can grow
Stem	holds the plant upright and supports the leaves; it contains tubes that allow water to travel from the roots to the rest of the plant
Veins	tubes in the leaf that carry water and food

**Working and thinking scientifically**

**We are being scientists by:**

- Observing and measuring
- Recording
- Interpreting and reporting
- Asking Questions and planning enquiry's
- Setting up enquiry's

**Key Facts**

The main parts of a flower are	<b>Roots, the stem, leaves and the flower</b>
Different parts of the flower	<b>Have different functions</b>
The function of a leaf is	<b>To make food</b>
The function of a stem	<b>Support a plant so it can stand up and it contains tubes for</b>
The function of the root	<b>Keep the plant in the soil and to take up water and nutrients</b>
The function of a flower	<b>Make and disperse seeds</b>
A plants stem contains	<b>Tubes that allow water to travel from the root</b>
Veins are	<b>Tubes in the leaf that carry water and food</b>
Plants need	<b>Light, the right amount of water and soil</b>
Seeds do not	<b>Need soil to germinate</b>
Flowers have	<b>Both male and female reproductive parts</b>
Plants reproduce by	<b>The flower making seeds</b>
Seeds are made	<b>When pollen from one flower transfers to another flowers</b>
Insects and wind help flowers reproduce	<b>By transferring pollen between plants</b>
Seeds disperse in 6 different	<b>Wind, water, gravity, animals, attachment and explosion</b>

**Pictures and Diagrams**

