

## Science Knowledge Organiser Plants- Year Three

| Key Vocabulary | Definition                                                                                                                                         |
|----------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| Plant          | A living thing that grows in the earth and has roots, leaves and a stem e.g. grass, trees, bushes, flowering plants.                               |
| Root           | The part of a plant that acts as an anchor, fixing the plant into the ground. Roots also absorb water to help the plant to grow.                   |
| Stem           | The part of the plant that grows above the ground. The leaves and flowers grow from it. The stem is also used to transport water around the plant. |
| Leaves         | A plant's leaves absorb sunlight and turn it into energy that the plant uses to grow.                                                              |
| Flowers        | The part of a plant that bears the seed.                                                                                                           |
| Nutrients      | Goodness required for life and growth. Plants absorb nutrients from the soil.                                                                      |
| Absorb         | To take in or soak up.                                                                                                                             |
| Pollination    | The transfer of pollen from one part of a plant to another.                                                                                        |
| Dispersal      | Spreading things out over an area, seeds do this to help to reproduce.                                                                             |

Joseph Banks – A botanist who travelled the world and gathered over 30,000 specimens of plants.

George Washington Carver – A botanist known for his work on replenishing soil by planting peanuts and sweet potatoes.



Many flowers rely on animals to help with pollination by moving pollen from one flower to another.



Poppy seeds are dispersed from a 'pepper pot' head, when the wind blows the seeds shake out.