Leamington Primary Science Knowledge Organiser
Year 2 – Plants
Strand – Biology

What I should already know	What I will learn	Important words to help me. (vocabulary)	Ideas for Scientific Enquiry
- How to spot and name some common wild and garden plants. - Deciduous trees shed their leaves annually. - Evergreen trees keep their green leaves throughout the year. - How to label, name and describe the basic structure of a plant.	How do seeds grow into plants? - I will plant, look after and observe the changes of how a seed grows into a plant. - I will explore the different stages of the life cycle of a plant, understanding the germination process which is the development of a plant from a seed. What do plants need to survive? - I will understand that plants need water, air, space, nutrients and light to be able to grow and stay healthy. - I will experiment which are the best conditions to grow a healthy, strong plant. What is photosynthesis? - I will l earn that **Photosynthesis** is a chemical reaction that takes place inside a plant, producing food for the plant to survive. Carbon dioxide, water and light are all needed for **photosynthesis** to take place. Why are the roots of a plant so important? - I will look at the roots of a plant and learn that the roots main job is to anchor the plant down into the ground. - I will also learn that the roots of a plant play a vital role in sucking up the water and nutrients from the soil.		**Fair / Comparative Testing** - Explore the perfect conditions for a plant to grow. - Compare different types of trees (deciduous/evergreen) by saying what is similar and what is different by using scientific vocabulary. **Secondary Sources** - Use secondary sources to gain further information on the jobs of the different parts of the plant. - Explore the different stages of the life cycle of a plant in detail. **Observation Overtime** - Observe the changes overtime as a plant grows in different conditions.

Deciduous	A tree that sheds its leave annually.
Germination	The development of a plant from a seed.
Photosynthesis	The process that plants produce their own food.
Temperature	The degree or intensity of heat present.
Roots	The part of a plant which attaches it to the ground and provides the anchor.
Evergreen	A plant or tree that keeps its green leaves throughout the year.
Reproduction	The production of offspring in an animal or human.
Life cycle	The series of life changes in an animal, plant or human.
Flower	The part of the plants that blossoms.