**Crofton Junior School – Curriculum Knowledge Organiser**

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| **Unit of Work** | Science – Biology – Year 3 |
| **Key Strand** | **Understand plants**  |
| **Overview of the Unit of Work** | This concept involves becoming familiar with different types of plants, their structure and reproduction. |
| **Prior Learning & Vocabulary** | Year 1 (plants): leaf/leaves, flower, blossom, petal, fruit, berry, root, bulb, seed, trunk, branch, stem, bark, stalk,Year 2 (plants): water, light/dark, damp/wet/dry, hot/warm/cool/cold, temperature, grow/growth, healthy |
| **Sticky Knowledge** |  |  |
| **Key Vocabulary** | Tier 2* **predict:** to estimate that a specified thing will happen
* **conclude:** arrive at a judgement or opinion by reasoning
* **demonstrate:** give a practical exhibition and explanation
* **summarise:** give a brief statement of the main concepts
* **describe:** give a detailed account of concepts
 | Tier 3 * **function:** purpose/role of parts of the plants
* **air:** the invisible gaseous substance surrounding the earth
* **nutrients:** a substance that provides nourishment essential for the maintenance of growth of plants
* **soil:** the upper layer of earth in which plants grow,
* **fertiliser:** a chemical or natural substance added to soil or land to increase its fertility
* **transported:** take or carry from one place to another
* **life cycle:** the series of changes in the life of an organism including reproduction
* **pollination:** the transfer of pollen to a stigma, ovule, flower, or plant to allow fertilization
* **seed formation:** a seed is formed when fertilised ovule divides by mitosis
* **seed dispersal:** the mechanism by which plant seeds are transported to new sites for germination and the establishment of new individuals
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| **Post Learning** | Year 5: Living things (related knowledge)KS3: material cycles and energy |