**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 |
| **Post Learning** | Year 5: Living things (related knowledge)  KS3: material cycles and energy | | |