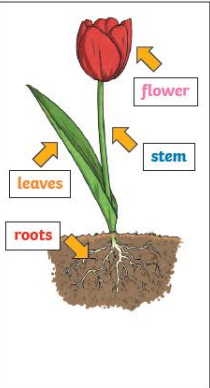
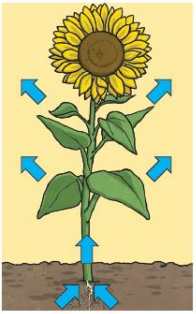
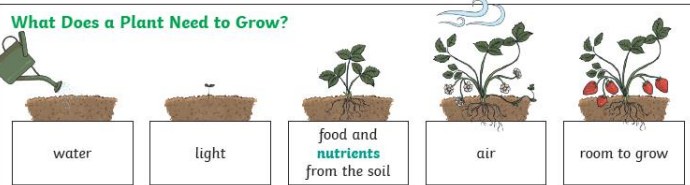
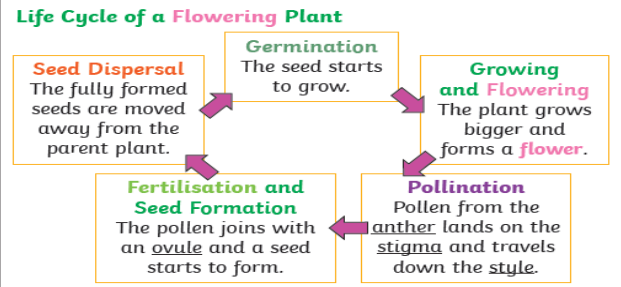
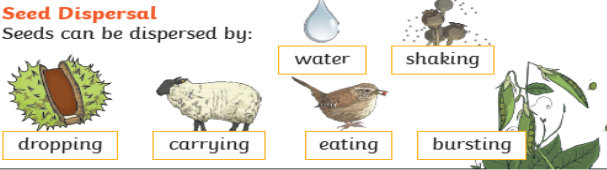


Crofton Junior School – Curriculum Knowledge Organiser

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	<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;">  <p>How Water Moves through a Plant</p> <ol style="list-style-type: none"> 1. The roots absorb water from the soil. 2. The stem transports water to the leaves. 3. Water evaporates from the leaves. 4. This evaporation causes more water to be sucked up the stem. <p>The water is sucked up the stem like water being sucked up through a straw.</p> </div> <div style="width: 45%;">  </div> </div> <div style="margin-top: 20px;"> <p>What Does a Plant Need to Grow?</p>  <p>Different plants vary in how much of these things they need. For example, cacti can survive in areas with little water, whereas water lilies need to live in water.</p> </div> <div style="margin-top: 20px;"> <p>Life Cycle of a Flowering Plant</p>  <p>Seed Dispersal The fully formed seeds are moved away from the parent plant.</p> <p>Germination The seed starts to grow.</p> <p>Growing and Flowering The plant grows bigger and forms a flower.</p> <p>Pollination Pollen from the anther lands on the stigma and travels down the style.</p> <p>Fertilisation and Seed Formation The pollen joins with an ovule and a seed starts to form.</p> </div> <div style="margin-top: 20px;"> <p>Seed Dispersal Seeds can be dispersed by:</p>  <p>water, shaking, dropping, carrying, eating, bursting</p> </div>
New Vocabulary	part, role, air, nutrients, soil, fertiliser, transported, life cycle, pollination, seed formation, seed dispersal
Post Learning	Year 5: Living things (related knowledge) KS3: Material cycles and energy