



NC OBJECTIVES	KEY KNOWLEDGE AND VOCABULARY
<ul style="list-style-type: none"><li>▪ identify and describe the functions of different parts of flowering plants: roots, stem/trunk, leaves and flowers</li><li>▪ explore the requirements of plants for life and growth (air, light, water, nutrients from soil, and room to grow) and how they vary from plant to plant</li><li>▪ investigate the way in which water is transported within plants</li><li>▪ explore the part that flowers play in the life cycle of flowering plants, including pollination, seed formation and seed dispersal.</li><li>▪ Compare the effect of different factors on plant growth</li></ul>	<ul style="list-style-type: none"><li>• Know the main parts of <b>flowering plants – roots, stem, leaves, flowers</b></li><li>• Know the <b>functions</b> of each part of a flowering plant</li><li>• Know that plants require <b>air, light, water, nutrients and room to grow</b></li><li>• Know how water is transported within plants – <b>absorbed</b> by the roots and is <b>distributed</b> around the plant via the stem</li><li>• Know that the stem uses <b>capillary action</b> to bring water up the roots and stems to the rest of the plants</li><li>• Know that plants make their own food using air and sunlight</li><li>• Know that a flower is made up of <b>anther/stigma, sepal/petal, ovule/pollen</b></li><li>• Know the function of each part of a flower</li><li>• Know the <b>life cycle</b> of a plant includes pollination, seed formation and seed dispersal</li><li>• Know that <b>pollination</b> is the act of transferring pollen grains from the <b>male anther</b> of a flower to the <b>female stigma</b></li><li>• Know that <b>seed formation</b> is when a seed starts to <b>germinate</b> and grow – pollen meeting ovule and then growing</li> <li>• Know that <b>seed dispersal</b> is when the seeds are taken away from the plant to start growing elsewhere by animals or the wind</li></ul>