

Subject	Year 8 Biology Content – Spring term	How to support students' learning
Plants	<p data-bbox="394 240 1021 272"><u>Plant organisation, adaptation and reproduction</u></p> <ul data-bbox="443 280 1397 592" style="list-style-type: none"> <li data-bbox="443 280 1397 392">• Understand plants make carbohydrates in their leaves by photosynthesis and gaining mineral nutrients and water from the soil via their roots <li data-bbox="443 400 1245 432">• Describe the role of leaf stomata in gas exchange in plants <li data-bbox="443 440 1189 472">• Describe the adaptations of leaves for photosynthesis <li data-bbox="443 480 1397 592">• Explain reproduction in plants, including flower structure, wind and insect pollination, fertilisation, seed and fruit formation and dispersal, including quantitative investigation of some dispersal mechanisms <p data-bbox="394 727 734 759"><u>Plants and photosynthesis</u></p> <ul data-bbox="443 783 1397 1046" style="list-style-type: none"> <li data-bbox="443 783 1397 855">• Name the reactants in, and products of, photosynthesis, and a word summary for photosynthesis <li data-bbox="443 863 1397 1046">• Explain the dependence of almost all life on Earth on the ability of photosynthetic organisms, such as plants and algae, to use sunlight in photosynthesis to build organic molecules that are an essential energy store and to maintain levels of oxygen and carbon dioxide in the atmosphere 	<p data-bbox="1431 280 1973 392">Encourage your child to read through and complete the quiz for the following information</p> <p data-bbox="1431 400 1973 504">Adaptations of plants - Ecosystems and habitats - KS3 Biology - BBC Bitesize - BBC Bitesize</p> <p data-bbox="1431 831 2007 975">Encourage your child to watch the following vide: Photosynthesis and Leaf Adaptations - Biology - KS3 - Key Stage 3 - Mr Deeping - YouTube</p>