

## Half-term One September – October 2020

### Year 11 Biology – Plant structures and their functions

Lesson	Instructions	Resources	Curriculum
1	<b><u>Plants overview</u></b>		Biology topic 6: Plant structures and their functions
2	<b><u>What is photosynthesis?</u></b> Work through the tasks from the pages in your booklet		Biology topic 6: Plant structures and their functions
3	<b><u>What happens to the glucose produced following photosynthesis?</u></b> Work through the tasks from the pages in your booklet		Biology topic 6: Plant structures and their functions
4	<b><u>Investigating photosynthesis with pond weed</u></b> Work through the tasks from the pages in your booklet		Biology topic 6: Plant structures and their functions
5	<b><u>Investigating photosynthesis with algal balls</u></b> Work through the tasks from the pages in your booklet		Biology topic 6: Plant structures and their functions
6	<b><u>Limiting factors of photosynthesis</u></b> Work through the tasks from the pages in your booklet		Biology topic 6: Plant structures and their functions
7	<b><u>Transport across cell membranes: Review</u></b> Watch the Oak Academy lesson on transport and plant roots Go through the information slides on the PowerPoint Work through the tasks from the pages in your booklet	<a href="#">Transport across cell membranes lesson Oak Academy</a>  <a href="#">Lesson 7 information</a>  <a href="#">Lesson 7 tasks</a>	Biology topic 6: Plant structures and their functions
8	<b><u>Xylem and Phloem</u></b> Watch the Oak Academy lesson on xylem and phloem Work through the tasks from the pages in your booklet using the PowerPoint information to help	<a href="#">BBC Bitesize</a>  <a href="#">Oak Academy lesson on xylem and phloem</a>  <a href="#">Xylem and phloem information</a>  <a href="#">Xylem and phloem tasks</a>	Biology topic 6: Plant structures and their functions

9	<p><b><u>Leaves and stomata</u></b> Work through the tasks from the pages in your booklet, using the PowerPoint for information and answers</p>	<p><a href="#">Leaves and stomata information</a></p> <p><a href="#">Leaves and stomata tasks</a></p> <p><a href="#">BBC Bitesize stomata</a></p>	Biology topic 6: Plant structures and their functions
10	<p><b><u>Transpiration</u></b> Look at the Bitesize link about water movement through a plant. Use the information and video clips on the PowerPoint to complete the booklet tasks</p>	<p><a href="#">BBC Bitesize transpiration</a></p> <p><a href="#">Lesson 10 Transpiration information</a></p> <p><a href="#">Lesson 10 Transpiration tasks</a></p>	Biology topic 6: Plant structures and their functions
11	<p><b><u>Measuring transpiration: the potometer</u></b> Watch the Oak Academy lesson on water movement through a plant. Read through the information slides and watch the video clips on transpiration in the xylem. Complete the tasks from the booklet pages</p>	<p><a href="#">Oak Academy lesson on water movement and transpiration</a></p> <p><a href="#">BBC Bitesize Potometer and transpiration</a></p> <p><a href="#">Lesson 11 measuring transpiration information</a></p> <p><a href="#">Lesson 11 measuring transpiration tasks</a></p>	Biology topic 6: Plant structures and their functions
12	<p><b><u>Translocation in the phloem</u></b> Go through the information slides and watch the video clip. Use the information to complete the booklet tasks</p>	<p><a href="#">Lesson 12 translocation information</a></p> <p><a href="#">Lesson 12 translocation tasks</a></p>	Biology topic 6: Plant structures and their functions

**Please email any queries and completed work to your Biology teacher.**

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