

| Subject | | Year | Term | |
|--|--|---|---|------------|
| Biology | 13 | | 1 | |
| | | Торіс | | |
| Photosynthesis | | | | |
| Content (Intent) | | | | |
| Prior Learning (Topi | c) GCSE: B1 – Cell Bio | ology; B4 – Bioe | energetics. Year 12: Cell | |
| Structure; Transport | t Across Membranes. | . Year 13: Ener | gy, Ecosystems & Nutrient Cy | /cle |
| Chloroplast structure | e – recap | | | |
| Photosynthesis over | view | | | |
| Light-dependent rea | ction, to include the e | electron transpo | ort chain and synthesis of ATH | 2 |
| Light-independent re | eaction – the Calvin cy | ycle | | |
| Factors affecting the | e rate of photosynthes | sis | | |
| | | | | |
| | | | | |
| Ft. | | | | |
| | pic) Year 13: Respira and skills be taught? | | our understanding be assess | ed 3 |
| (Implementation) | and skins be laught: | | | eu |
| Demos | | | recorded (Impact) - 2 x assessed homeworks (Grade given. | |
| None in this topic | | | Written & verbal feedback. Response | |
| Described and | | expected.) | - | |
| Practical work Required practical 7 | | | -1 x end of topic test (Grade given. Verbal | |
| Required practical 8 | | | feedback to class and individuals.) | |
| | | | ent of CPAC skills from the | |
| Written Class notes | | | practical (both written and practical) as | |
| Past paper questions in cla | ass | | detailed on the practical sheets. | |
| | | ucturicu o | in the product sheets. | |
| Past paper questions in no | omeworks | | | |
| Past paper questions in he Write-ups of required pra | | | | |
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| | | | | |
| | cticals 7 & 8 | | | |
| Write-ups of required pra | cticals 7 & 8 | e VLE | | |
| Write-ups of required pra How can parents he Look at the topic spe | cticals 7 & 8 Ip at home? ecific resources on the | | essons, Crash Course Biology | ·. |
| Write-ups of required pra How can parents he Look at the topic spe Use appropriate you | cticals 7 & 8 Ip at home? ecific resources on the | to, freesciencel | essons, Crash Course Biology | <i>.</i> |
| Write-ups of required pra How can parents he Look at the topic spe Use appropriate you Encourage students | cticals 7 & 8 Ip at home? ecific resources on the itube channels: cogni to use the textbook is | to, freesciencel ssued. | essons, Crash Course Biology It and be curious about their | ·. |
| Write-ups of required pra How can parents he Look at the topic spe Use appropriate you Encourage students Take an interest! Asl learning. | cticals 7 & 8 Ip at home? ecific resources on the itube channels: cogni to use the textbook is k your children what t | to, freesciencel ssued. | | <i>י</i> . |
| Write-ups of required pra How can parents he Look at the topic spe Use appropriate you Encourage students Take an interest! Asl learning. Helpful further read | cticals 7 & 8 ecific resources on the tube channels: cogni to use the textbook is k your children what t ling/discussion | to, freesciencel ssued. they have learn | It and be curious about their | <i>.</i> |
| Write-ups of required pra How can parents he Look at the topic spe Use appropriate you Encourage students Take an interest! Asl learning. Helpful further read Reading | ecific resources on the state of the state o | to, freesciencel ssued. they have learn y Lists | at and be curious about their Careers Links | <i>.</i> |
| Write-ups of required pra How can parents he Look at the topic spe Use appropriate you Encourage students Take an interest! Asl learning. Helpful further read | cticals 7 & 8 ecific resources on the tube channels: cogni to use the textbook is k your children what t ling/discussion | to, freesciencel ssued. they have learn y Lists :t, grana, | It and be curious about their | ·. |

| Biological Science Review | chlorophyll, electron, | Agricultural Scientist |
|-------------------------------|------------------------------|-------------------------|
| Magazine | electron carrier, ATP, NADP, | Plant biologist |
| The Biologist Magazine – | NADPH, photolysis, RuBP, | Environmental Scientist |
| Royal Society of Biology | RuBisCO, GP, TP, glucose. | |
| Royal Society of Biology blog | | |
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