

Next Three Steps report

Subject area : Biology		
	Needs to	How
1	Recall the limiting factors of photosynthesis	<p>Biology intervention supporting lessons on Tuesdays and Thursdays</p> <p>W:\Science\VLE\Biology Unit 8.html</p> <p>W:\Science\VLE\Biology Past Questions and Answers by topics.html</p> <p>https://app.tassomai.com/login</p> <p>https://members.gcsepod.com/content?subject_id=6010&exam_board_id=1010&topic_id=8184</p> <p>https://sway.office.com/R8xAqOM1TR3Vwn9B?ref=Link&loc=play</p>
2	Explain how limiting factors affect the rate of photosynthesis, including graphical	<p>Biology intervention supporting lessons on Tuesdays and Thursdays</p> <p>W:\Science\VLE\Biology Unit 8.html</p> <p>W:\Science\VLE\Biology Past Questions and Answers by topics.html</p> <p>https://app.tassomai.com/login</p>

	interpretation (limited to one factor)	https://members.gcsepod.com/content?subject_id=6010&exam_board_id=1010&topic_id=8184 https://sway.office.com/R8xAqOM1TR3Vwn9B?ref=Link&loc=play
3	For higher tier explain how limiting factors are important to the economics of greenhouses, including data interpretation	<p>Biology intervention supporting lessons on Tuesdays and Thursdays</p> <p>W:\Science\VLE\Biology Unit 8.html</p> <p>W:\Science\VLE\Biology Past Questions and Answers by topics.html</p> <p>https://app.tassomai.com/login</p> <p>https://members.gcsepod.com/content?subject_id=6010&exam_board_id=1010&topic_id=8184</p> <p>https://sway.office.com/R8xAqOM1TR3Vwn9B?ref=Link&loc=play</p>
4	<u>Required practical 6</u> : Know how to investigate the	<p>Biology intervention supporting lessons on Tuesdays and Thursdays</p> <p>W:\Science\VLE\Biology Unit 8.html</p>

	<p>effect of light intensity on the rate of photosynthesis using an aquatic organism such as pondweed</p>	<p>W:\Science\VLE\Biology Past Questions and Answers by topics.html</p> <p>https://app.tassomai.com/login</p> <p>https://members.gcsepod.com/content?subject_id=6010&exam_board_id=1010&topic_id=8184</p> <p>https://sway.office.com/R8xAqOM1TR3Vwn9B?ref=Link&loc=play</p>
5	<p>Describe how the glucose produced in photosynthesis is used by plants</p>	<p>Biology intervention supporting lessons on Tuesdays and Thursdays</p> <p>W:\Science\VLE\Biology Unit 8.html</p> <p>W:\Science\VLE\Biology Past Questions and Answers by topics.html</p> <p>https://app.tassomai.com/login</p> <p>https://members.gcsepod.com/content?subject_id=6010&exam_board_id=1010&topic_id=8184</p> <p>https://sway.office.com/R8xAqOM1TR3Vwn9B?ref=Link&loc=play</p>

6	Recognise the equations for aerobic respiration, anaerobic respiration in muscles and anaerobic respiration in plants and yeast cells.	<p>https://sway.office.com/hDmswwRSS0INHYS?ref=Link</p> <p>Biology intervention supporting lessons on Tuesdays and Thursdays</p> <p>W:\Science\VLE\Biology Unit 9.html</p> <p>W:\Science\VLE\Biology Past Questions and Answers by topics.html</p> <p>https://app.tassomai.com/login</p> <p>https://members.gcsepod.com/content?subject_id=6010&exam_board_id=1010&topic_id=8184</p>
7	Recall what type of respiration fermentation is and its economic importance.	<p>https://sway.office.com/hDmswwRSS0INHYS?ref=Link</p> <p>Biology intervention supporting lessons on Tuesdays and Thursdays</p> <p>W:\Science\VLE\Biology Unit 9.html</p> <p>W:\Science\VLE\Biology Past Questions and Answers by topics.html</p> <p>https://app.tassomai.com/login</p> <p>https://members.gcsepod.com/content?subject_id=6010&exam_board_id=1010&topic_id=8184</p>

8	<p>Explain what happens when muscles do not have enough oxygen and define the term oxygen debt and for higher tier be able to explain what happens to accumulated lactic acid in the body</p>	<p>https://sway.office.com/hDmswwRSS0INHYS?ref=Link</p> <p>Biology intervention supporting lessons on Tuesdays and Thursdays</p> <p>W:\Science\VLE\Biology Unit 9.html</p> <p>https://app.tassomai.com/login</p> <p>https://members.gcsepod.com/content?subject_id=6010&exam_board_id=1010&topic_id=8184</p> <p>W:\Science\VLE\Biology Past Questions and Answers by topics.html</p>
9	<p>Explain the importance of sugars, amino acids, fatty acids and glycerol in the synthesis and breakdown of carbohydrates,</p>	<p>https://sway.office.com/hDmswwRSS0INHYS?ref=Link</p> <p>Biology intervention supporting lessons on Tuesdays and Thursdays</p> <p>W:\Science\VLE\Biology Unit 9.html</p> <p>W:\Science\VLE\Biology Past Questions and Answers by topics.html</p> <p>https://app.tassomai.com/login</p>

	proteins and lipids	https://members.gcsepod.com/content?subject_id=6010&exam_board_id=1010&topic_id=8184
10	Describe what biodiversity is, why it is important, and how human activities affect it	<p>Biology intervention supporting lessons on Tuesdays and Thursdays</p> <p>W:\Science\VLE\Biology Unit 18.html</p> <p>W:\Science\VLE\Biology Past Questions and Answers by topics.html</p> <p>https://members.gcsepod.com/shared/podcasts/title/10795/66168</p> <p>https://app.tassomai.com/login</p>
11	Explain the consequences of peat bog destruction and explain the consequences of deforestation	<p>W:\Science\VLE\Biology Unit 18.html</p> <p>Biology intervention supporting lessons on Tuesdays and Thursdays</p> <p>W:\Science\VLE\Biology Past Questions and Answers by topics.html</p> <p>https://app.tassomai.com/login</p> <p>https://members.gcsepod.com/shared/podcasts/title/10795/66168</p>

12	Describe how the composition of the atmosphere is changing, and the impact of this on global warming	<p>Biology intervention supporting lessons on Tuesdays and Thursdays</p> <p>W:\Science\VLE\Biology Unit 18.html</p> <p>W:\Science\VLE\Biology Past Questions and Answers by topics.html</p> <p>https://app.tassomai.com/login</p> <p>https://members.gcsepod.com/shared/podcasts/title/10795/66168</p>
13	Describe both positive and negative human interactions in an ecosystem and explain their impact on biodiversity	<p>W:\Science\VLE\Biology Unit 18.html</p> <p>W:\Science\VLE\Biology Past Questions and Answers by topics.html</p> <p>https://app.tassomai.com/login</p> <p>Biology intervention supporting lessons on Tuesdays and Thursdays</p> <p>https://members.gcsepod.com/shared/podcasts/title/10795/66168</p>

14	Describe programmes that aim to reduce the negative effects of humans on ecosystems and biodiversity	<p>W:\Science\VLE\Biology Unit 18.html</p> <p>W:\Science\VLE\Biology Past Questions and Answers by topics.html</p> <p>https://app.tassomai.com/login</p> <p>https://members.gcsepod.com/shared/podcasts/title/10795/66168</p>
15	Construct pyramids of biomass accurately from data and explain what they represent	<p>W:\Science\VLE\Biology Unit 18.html</p> <p>W:\Science\VLE\Biology Past Questions and Answers by topics.html</p> <p>https://app.tassomai.com/login</p> <p>Biology intervention supporting lessons on Tuesdays and Thursdays</p> <p>https://members.gcsepod.com/shared/podcasts/title/10796/66177</p>
16	State how much energy producers absorb from the Sun and how	<p>W:\Science\VLE\Biology Unit 18.html</p> <p>W:\Science\VLE\Biology Past Questions and Answers by topics.html</p> <p>https://app.tassomai.com/login</p>

	much biomass is transferred	Biology intervention supporting lessons on Tuesdays and Thursdays https://members.gcsepod.com/shared/podcasts/title/10796/66177
17	Explain how biomass is lost between trophic levels, including the consequences of this and calculate efficiency between trophic levels	W:\Science\VLE\Biology Unit 18.html W:\Science\VLE\Biology Past Questions and Answers by topics.html https://app.tassomai.com/login https://members.gcsepod.com/shared/podcasts/title/10796/66177
18	Explain some methods that can help to conserve fish stocks	W:\Science\VLE\Biology Unit 18.html W:\Science\VLE\Biology Past Questions and Answers by topics.html https://app.tassomai.com/login

		<p>Biology intervention supporting lessons on Tuesdays and Thursdays</p> <p>https://members.gcsepod.com/shared/podcasts/title/10797/66183</p>
19	Describe how modern biotechnology is used in food production, including the fungus Fusarium as an example	<p>W:\Science\VLE\Biology Unit 18.html</p> <p>W:\Science\VLE\Biology Past Questions and Answers by topics.html</p> <p>https://app.tassomai.com/login</p> <p>Biology intervention supporting lessons on Tuesdays and Thursdays</p> <p>https://members.gcsepod.com/shared/podcasts/title/10797/66183</p>

Each subject area to identify: a) in the first column, 10 likely PLCs/topics for revision; b) in the second column, sources of help / means of revision (GCSE pods, Oaks Academy Lessons, VLE, YouTube tutorials, weekly enrichment sessions, websites, subscription sites that pupils can access free of charge, anything else you consider useful).

