

## Year 10 Biology



**Learning Programme 5** The LORIC skill focus for his LP is: COMMUNICATION. Literacy: Capital letters must be used at the start The Moral Virtues focus for this LP are: COURAGE and HUMILITY. of sentences and for the first letter of Courage - Acting with bravery and overcoming fears. proper nouns Humility - Having a modest view of oneself. Full stops must be used at the end of a What will I be learning about in this Learning Programme? sentence How living organisms photosynthesis and respire and how this can be manipulated and how the liver is involved in removal of lactic acid. Question marks must be used at the end of a question Apostrophes should only be used for possession or omission Where have I seen this learning before? Days of the week and months must be You have learnt about respiration and photosynthesis in KS2 and KS3. spelled correctly Key words must be spelled correctly What could I use it for? You will use this knowledge in A-level Biology and Applied Science. n LP5.1, l w 12/05/25 - (WK 1 the balanced symbol equation for photosynthesis and how the leaf's structure is adapted for photosynthesis; Sparx Science task the effects of limiting factors on photosynthesis. Photosynthesis Sparx Science task. the benefits of manipulating the environment to increase food production; now to use distance to change light intensity and measure rate of photosynthesis. Light intensity LP5 RLW, I will: 02/06/25 - (WK 1) Sparx Science task. review my learning, recalling and applying key knowledge, and focus on closing any gaps in my knowledge. Review 5 - (WK 2 ev V the relationship between transpiration and leaf structure and how different factors affect transpiration; Sparx Science task. about the movement of sugar through the plant and how to test a variegated leaf. Transpiration Extended Task n LP5.4, I v 6/25 - (W how to complete summative assessment; Sparx Science task. ny strengths and areas of development. Aerobic i LP5.5, I will k 23/06/25 - (WK 2 ev Vocabulary work Sparx Science task the importance of fertilisers; the importance of aerobic respiration and the importance of cellular respiration. Respiration 30/06/25 - (WK 1) n LP5.6. I will k Key Vocabulary Homework now to compare and contrast the amount of energy transferred in anaerobic respiration and how this occurs in plants, bacteria and Sparx Science task. fungi; metabolism as the sum of all the reactions in the body of an organism and explain how the liver is involved in repaying oxygen debt. Fermentation Extended Task n LP5.7, I v 07/06/25 - (WK 2 why your kidneys are important and how they work and explain the role of ADH in water balance; Sparx Science task. now dialysis and kidney transplants can be used to treat damaged kidneys. Dialysis https://www.bbc.co.uk/bitesize/guides/zg8nrwx/revision/1 Knowledge organiser, booklet and Synergy.

FET Award Challenge for this Learning Program Complete a practice paper as part of your revision.

