

Year 12 A Level Biology ABE

Learning Programme 4

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| The LORIC skill focus for his LP is: INITIATIVE. The Moral Virtues focus for this LP are: INTEGRITY and GRATITUDE. | | | Literacy: <ul style="list-style-type: none">Capital letters must be used at the start of sentences and for the first letter of proper nounsFull stops must be used at the end of a sentenceQuestion marks must be used at the end of a questionApostrophes should only be used for possession or omissionDays of the week and months must be spelled correctlyKey words must be spelled correctly |
| Integrity - Having strong moral principles. Gratitude - Feeling and expressing thanks. | | | |
| What will I be learning about in this Learning Programme? Biodiversity of organisms and how they are classified. | | | |
| Where have I seen this learning before? You have learnt about classification evolution in KS3 and GCSE. | | | |
| What could I use it for? You will use this again if you study a Bachelor of Science degree in Biological science or zoology. | | | |
| In LP4.1, I will know: how to complete a summative assessment. | 10/03/25 - (WK 2) | Key Vocabulary | Homework Research task on how plants are adapted to their environment |
| In LP4.2, I will know: the adaptations of plants to the availability of water in their environment; the taxonomic hierarchy of biological classification of species; the features used to classify organisms into the five kingdoms. | 17/03/25 - (WK 1) | Key Vocabulary Taxonomic | Homework Exam questions on classification |
| In LP4.3, I will know: the relationship between classification and phylogeny. | 24/03/25 - (WK 2) | Key Vocabulary Phylogeny | Homework Revision task to prepare for Formative assessment |
| Extended Task. | | | |
| In LP4.4, I will know: my strengths and areas to develop so far; the evidence for the theory of evolution by natural selection, including fossils, DNA and molecular evidence; what interspecific and intraspecific variation is. | 31/03/25 - (WK 1) | Key Vocabulary Evolution | Homework Discuss the advantages and disadvantages of phylogenetic classification |
| In LP4.5, I will know: the differences between continuous and discontinuous variation using examples from plants, animals and microorganisms. | 21/04/25 - (WK 2) | Key Vocabulary Variation | Homework Exam questions on variation |
| In LP4.6, I will know: how to complete t test to compare means of data values of 2 populations; the different types of adaptations of organisms to their environment; the mechanism by which natural selection can affect the characteristics of a population over time. | 28/04/25 - (WK 1) | Key Vocabulary Natural selection | Homework Practice questions to apply t test to compare data |
| Extended Task. | | | |
| In LP4.7, I will know: my strengths and areas to develop so far. | 05/05/25 - (WK 2) | Key Vocabulary | Homework Exam questions on natural selection |
| Resources to support learning: Knowledge organiser, booklet, Studymind, A Level Biology textbook | | | |
| FFET Award Challenge for this Learning Programme: LP4 Year 12 Biology: Charles Darwin was the first to suggest the Theory of Evolution by Natural Selection but he was not alone in creating this theory. Research Darwin and his friend Alfred Wallace and write a persuasive speech to suggest if you think that Darwin should have given Wallace credit for his theory. | | | |

PRT Task 1

PRT Task 2