

Year 12 Biology SMR

Learning Programme 5

The LORIC skill focus for his LP is: COMMUNICATION. The Moral Virtues focus for this LP are: COURAGE and HUMILITY. Courage - Acting with bravery and overcoming fears. Humility - Having a modest view of oneself. What will I be learning about in this Learning Programme? How plants and animals protect themselves from, and fight off disease. Where have I seen this learning before? You have covered immune system in GCSE. What could I use it for? If you do a degree in medicine or immunology you will use this knowledge.			Literacy: <ul style="list-style-type: none">• Capital letters must be used at the start of sentences and for the first letter of proper nouns• Full stops must be used at the end of a sentence• Question marks must be used at the end of a question• Apostrophes should only be used for possession or omission• Days of the week and months must be spelled correctly• Key words must be spelled correctly
In LP5.1, I will know:	12/05/25 - (WK 1)	Key Vocabulary	Homework
the different types of pathogen that can cause communicable diseases in plants and animals; the transmission of animal and plant communicable pathogens.		Cardiovascular	Exam questions on pathogens.
In LP5.2, I will know:	19/05/25 - (WK 2)	Key Vocabulary	Homework
plant defences against pathogens; the primary non-specific defences against pathogens in animals.		Pathogen	Exam questions on plant defences.
LP5 RLW, I will:	02/06/25 - (WK 1)		
review my learning, recalling and applying key knowledge, and focus on closing any gaps in my knowledge.			
In LP5.3, I will know:	09/05/25 - (WK 2)	Key Vocabulary	Homework
the structure and mode of action of lymphocytes and antibodies; the structure and mode of action of phagocytes.		Phagocyte	Exam questions on lymphocytes.
Extended Task.			
In LP5.4, I will know:	16/06/25 - (WK 1)	Key Vocabulary	Homework
complete an assessment in my learning so far; review and improve my knowledge by completing a pupil response task.			
In LP5.5, I will know:	23/06/25 - (WK 2)	Key Vocabulary	Homework
the structure and mode of action of humoral immunity; the differences between active and passive immunity and between natural and artificial immunity.		Lymphocyte	Exam questions on the immune system.
In LP5.6, I will know:	30/06/25 - (WK 1)	Key Vocabulary	Homework
the principles of vaccination and the role of vaccination programmes in the prevention of epidemics; the benefits and risks of antibiotics to manage bacterial infection.		Vaccination	Exam questions on vaccinations.
Extended Task.			
In LP5.7, I will know:	07/06/25 - (WK 2)	Key Vocabulary	Homework
work experience week.			
Resources to support learning: https://www.revisely.com/alevel/biology/ocr/notes/biodiversity-evolution-and-disease/communicable-diseases-disease-prevention-and-the-immune-system Synergy, booklets, exercise books, knowledge organiser.			
FFET Award Challenge for this Learning Programme: Assist the science department in an after school club or work with the lab technician to gain experience of working in a lab. Complete a practice paper as part of your revision.			

