

Year 10 Biology

Learning Programme 3

<p>The LORIC skill focus for this LP is: RESILIENCE</p> <p>The Moral Virtues focus for this LP are: RESPECT and JUSTICE</p> <p>Respect - treat others how you would wish to be treated yourself.</p> <p>Justice - our College rules are fair and reasonable.</p> <p>What will I be learning about in this Learning Programme?</p> <p>About diseases, epidemics and lifestyle factors affecting health, as well as how to fight diseases.</p> <p>Where have I seen this learning before?</p> <p>You will have learned about diseases and the immune system in primary school and will have heard about disease the news.</p> <p>What could I use it for?</p> <p>You will use this again in A-Level biology when you learn about immunity and if you do a degree in immunology.</p>	<p>Literacy:</p> <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
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In LP3.1, I will know:	06/01/25 - (WK 2)	Key Vocabulary	Homework
how to evaluate transpiration, the role of the stomata and guard cells and factors that affect the rate of transpiration and translocation; how to carry out a practical to observe transpiration.		Transpiration	Exam question on transpiration

In LP3.2, I will know:	13/01/25 - (WK 1)	Key Vocabulary	Homework
how diseases and lifestyle factors affect health, and explain the difference between communicable and non-communicable diseases; distinguish between epidemics and pandemics.		Epidemics	Short questions on disease and health

In LP3.3, I will know:	20/01/25 - (WK 2)	Key Vocabulary	Homework
how some viral diseases are spread; how to compare and contrast bacterial and viral diseases.		Viral	Exam question on bacterial and viral disease

In LP3.4, I will know:	27/01/25 - (WK 1)	Key Vocabulary	Homework
how rose black spot affects the growth of the plant; and evaluate control measures for malaria.		Vector	Short questions on the immune system
Extended Task.			

In LP3.5, I will know:	03/02/25 - (WK 2)	Key Vocabulary	Homework
the role of the immune system; how monoclonal antibodies are produced and evaluate the use of monoclonal antibodies.		Monoclonal	Exam questions on monoclonal antibodies

In LP3.6, I will know:	10/02/25 - (WK 1)	Key Vocabulary	Homework
the effects and purpose of different types of immunity and evaluate the global use of vaccinations; the impact of antibiotic-resistant bacteria and identify issues with the overuse of antibiotics.		Vaccination	Short questions on vaccinations

LP3 RLW, I will:	24/02/25 - (WK 2)		
review my learning, recalling and applying key knowledge, and focus on closing any gaps in my knowledge.		Placebo	Revision

In LP3.7, I will know:	03/03/25 - (WK 1)	Key Vocabulary	Homework
the stages of drug development, and why 'double-blind' trials are conducted.		Double-blind	Exam questions on drug development
Extended Task.			

Resources to support learning:
https://www.kayscience.com/vb5-pathogens.html Knowledge Organiser, Synergy

FFET Award Challenge for this Learning Programme:
Take part in an extra curricular STEM challenge.

