

Science Department

Curriculum Overview - Year 11 - Triple Science- Biology

The Big Picture:

Year 11 will study: How inheritance and evolution has adapted organisms to their environments. The factors that affect biodiversity and wider ecosystems will be analysed. Students will examine the different ways the body responds to its environment by looking at the human nervous system and hormone production and effect. Students will explain how the body regulates internal conditions through homeostasis.

AO1: Demonstrate knowledge and understanding of the topic.

AO2: Apply your knowledge and understanding of the topic and use your scientific ideas.

AO3: Analyse information in a scientific context and use your understanding to make predictions and evaluations.

<https://www.aqa.org.uk/subjects/science/gcse/biology-8461>

<p>Term 1: Variation and Evolution, Genetics and Evolution Green Task: B13 Cell Division and Genetic crosses B14 Genetic modification and Selective breeding B15 Fossils and extinction Assessment Objectives covered - AO1, AO2, AO3</p>	<p>Term 4: Hormonal Coordination Green Task: B11 Blood glucose concentration Assessment Objectives covered - AO1, AO2, AO3</p>
<p>Term 2: Biodiversity and Ecosystems, Human Nervous System Green Task: B17 Carbon cycle B18 Deforestation Assessment Objectives covered - AO1, AO2, AO3</p>	<p>Term 5: Homeostasis in Action Green Task: B11 Menstrual cycle Assessment Objectives covered - AO1, AO2, AO3</p>
<p>Term 3: Human Nervous System Green Task: B10 Reaction time and reflex actions Assessment Objectives covered - AO1, AO2, AO3</p>	