

Year 10 TRIPLE - Biology Name:

<p>Sept - Oct</p>	<ul style="list-style-type: none"> • Topic 7 - Hormones introduction • Topic 7 - Homeostasis and Thermoregulation • Topic 7 – Glucoregulation • Topic 7 – Diabetes • Topic 7 - Menstrual cycle - Consolidation of hormonal control • Topic 7 – Fertilisation and contraception • Topic 7 – ART • Topic 7 - Adrenaline and thyroxine (Higher only) • Topic 7 - Kidneys, nephron and urea • Topic 7 - ADH and water reabsorption • Topic 7 - Kidney failure, dialysis and transplants
<p>Nov - Dec</p>	<ul style="list-style-type: none"> • Topic 7 test • Topic 8 - Efficient transport and exchange - SA:VOL • Topic 8 - Lung structure (demo dissection) and alveoli structure • Topic 8 - Fick's law • Topic 8 - Blood and blood vessels • Topic 8 - The heart (demo dissection) • Topic 8 - Respiration (Aerobic and anaerobic) • Topic 8 - Exercise and heart rate, CO, SV and HR • Topic 8 - Core practical – respirometer
<p>Jan - Feb</p>	<ul style="list-style-type: none"> • Topic 1 - Core practical - Biochemical tests (topic 1) • Topic 1 - Core practical - Biochemical tests (topic 1) • Topic 1 – Calorimetry • Topic 8 test • Topic 6 - Photosynthesis intro • Topic 6 - Leaf adaptations • Topic 6 - Limiting Factors • Topic 6 – Investigating factors affecting photosynthesis
<p>Feb - March</p>	<ul style="list-style-type: none"> • Topic 6 - Core practical - Algal balls • Topic 1 – Core practical – Osmosis • Topic 1 – Core practical – Osmosis - Evaluation • Assessment 1 • Topic 6 - Transpiration, xylem and root hair cells • Topic 6 - Factors that affect transpiration rate (demo) • Topic 6 - Plant adaptations

	<ul style="list-style-type: none"> • Topic 6 - Phloem and translocation
April - May	<ul style="list-style-type: none"> • Topic 6 - Phototropism and gravitropism • Topic 6 - Commercial uses of plant hormones • Topic 6 test • Topic 9 – Ecosystems - An introduction • Topic 9 – Food chains and energy transfer • Topic 9 – Biotic factors and communities • Topic 9 – Parasitism and Mutualism • Topic 9 – Abiotic factors • Topic 9 – Core practical – transect • Topic 9 – Keys and random sampling
June – July	<ul style="list-style-type: none"> • Topic 9 – Living indicators of pollution • Topic 9 – Water cycle • Topic 9 – Carbon cycle • Topic 9 – Decay • Assessment 2 • Topic 9 – Nitrogen cycle • Topic 9 – Human impact on Biodiversity
Assessment summary:	
Nov 2025 - Topic 7 (Animal Co-ordination, Control and Homeostasis)	
Jan 2026 - Topic 8 (Exchange and Transport in Animals)	
March 2026 - Assessment 1	
May 2026 - Topic 6 (Plant structures and their functions)	
June 2026 - Assessment 2 – June 2026	

Year 11 TRIPLE Biology Name:	
Sept - Oct	<ul style="list-style-type: none"> • Topic 9 – Conservation and reforestation • Topic 9 – Food security • Topic 5 – Health and Disease introduction • Topic 5 – STIs • Topic 5 – Life cycle of a virus • Topic 5 – Human physical and chemical barriers • Topic 5 – Specific immune response • Topic 5 – Immunisation and herd immunity • Topic 5 – Core practical – effectiveness of antimicrobials • Topic 5 – Developing new medicines • Topic 5 – Monoclonal antibodies (Higher only) • Topic 5 – Non-communicable diseases (part 1) • Topic 5 – Non-communicable diseases (part 2) • Topic 5 – Cardiovascular disease and treatment • Topic 5 – Plant defences • Topic 5 – Plant diseases (Higher only)
Nov - Dec	<p><i>Assessment 1</i></p> <ul style="list-style-type: none"> • Topic 3 – Variation • Topic 3 – DNA structure and function • Topic 3 – DNA extraction practical • Topic 3 – Transcription and Translation • Topic 3 – Genetic variants and gene expression • Topic 3 – Genetics fundamentals • Topic 3 – Mendel and Monohybrid inheritance • Topic 3 – Mutations • Topic 3 – Inheritance of blood type • Topic 3 – Inheritance of gender and sex-linked disorders • Topic 3 – Human Genome Project <p><i>Topic 3 test</i></p>
Jan - Feb	<ul style="list-style-type: none"> • Topic 2 – Mitosis • Topic 2 – Viewing mitosis with a microscope • Topic 2 – Mitosis and cancer • Topic 2 – Meiosis • Topic 2 – Sexual and asexual reproduction

	<ul style="list-style-type: none"> • Topic 2 – Stem cells • Topic 2 – Growth in animals • Topic 2 – Growth in plants • Topic 2 – The nervous system • Topic 2 – Synapses • Topic 2 - Reaction times • Topic 2 – Reflex arc • Revision <p><i>Assessment 2</i></p>
Feb - March	<ul style="list-style-type: none"> • Topic 2 – Brain structure and imaging • Topic 2 – Brain and spinal cord problems • Topic 2 – The eye (structure and function) • Topic 2 – The eye (eyesight problems and correction) • Topic 4 – Classification • Topic 4 – Evidence of human evolution • Topic 4 – Evolution by natural selection • Topic 4 – Selective breeding • Topic 4 – Genetic engineering
April - May	<ul style="list-style-type: none"> • Topic 4 – Tissue Culture • Topic 4 – Agricultural solutions • <i>Topic 4 test</i> • Revision!
Nov 2025 - Assessment 1	
Dec 2025 - Topic 3 test (Genetics)	
Feb 2026 - Assessment 2	
April 2026 - Topic 4 test – (Natural selection and genetic modification)	