

	Term	Topic	Learning Outcomes	Assessment
Year 9	Term 3	SB1 Key Concepts in Biology (Paper 1 and Paper 2)	To know about:	SB1 – End of topic test
			<ul style="list-style-type: none"> ✓ SB1a - Microscopes ✓ SB1b - Plant and animal cells ✓ SB1b – Core practical: using microscopes ✓ SB1c – Specialised Cells ✓ SB1d – Inside bacteria & Standard Form [H] ✓ SB1e – Enzymes and nutrition ✓ SB1f – Testing Foods ✓ Sb1f – Core practical: Testing Foods ✓ SB1g – Enzyme action ✓ SB1h – Enzyme activity ✓ SB1h – Core practical: pH and enzymes ✓ SB1i – Transporting substances (diffusion, osmosis and active transport) ✓ SB1i – Core practical: Osmosis in potato slices 	
			<ul style="list-style-type: none"> ✓ SB1 – Revision activities 	

	Term	Topic	Learning Outcomes	Assessment
Year 10	Term 1	SB2 Cells and Control (Paper 1)	<p>To know about:</p> <ul style="list-style-type: none"> ✓ SB2a – Mitosis ✓ SB2b – Growth in animals ✓ SB2c – Growth in plants ✓ SB2d – Stem Cells ✓ SB2e – The brain ✓ SB2f – Brain and spinal cord problems [H] ✓ SB2g – The nervous system ✓ SB2h – The eye ✓ SB2i – Neurotransmission speed <p>✓ SB2 – Revision activities</p>	SC2 – End of topic test
		SB3 Genetics (Paper 1)	<p>To know about:</p> <ul style="list-style-type: none"> ✓ SB3a - Sexual and asexual reproduction ✓ SB3b – Meiosis ✓ SB3ci – DNA ✓ SB3cii – DNA Extraction ✓ SB3d – Protein synthesis [H] ✓ SB3e – Genetic variants and phenotypes [H] ✓ SB3f – Mendel ✓ SB3g – Alleles ✓ SB3h – Inheritance ✓ SB3i – Multiple and missing alleles [H] ✓ SB3j – Gene mutation ✓ SB3k - Variation <p>✓ SB3 – Revision activities</p>	SB3 – End of topic test

	Term	Topic	Learning Outcomes	Assessment
Year 10	Term 2	SB4 Natural Selection and Genetic Modification (Paper1)	<p>To know about:</p> <ul style="list-style-type: none"> ✓ SB4a – Evidence of human evolution ✓ SB4b – Darwin’s theory ✓ SB4c – Development of Darwin’s theory ✓ SB4d – Classification ✓ SB4e – Breeds and varieties ✓ Sb4f – Tissue culture ✓ SB4g – Genes in agriculture and medicine [H] ✓ SB4h – GM and agriculture ✓ Sb4i – Fertiliser and biological control ✓ SB4 – Revision activities 	SB4 – End of topic test
		SB5 Health, Disease and the Development of Medicines (Paper 1)	<p>To know about:</p> <ul style="list-style-type: none"> ✓ SB5a – Health and disease ✓ SB5b – Non-Communicable diseases ✓ SB5c – Cardiovascular disease ✓ SB5d – Pathogens ✓ SB5e – Spreading pathogens ✓ SB5f – Virus life cycles ✓ SB5g – Plant defences ✓ SB5h – Plant diseases [H] ✓ SB5i – Physical and chemical barriers ✓ SB5j – The immune system ✓ SB5k – Antibiotics 	SB5 – End of topic test

- ✓ SB5k – Core practical: Antibiotics
- ✓ SB5i – Monoclonal antibodies

- ✓ SB5 – Revision activities

Term	Topic	Learning Outcomes	Assessment	
Year 10	Term 3	SB6 Plant Structures and their Functions (Paper 2)	<p>To know about:</p> <ul style="list-style-type: none"> ✓ SB6a – Photosynthesis ✓ SB6b – Factors that affect photosynthesis [H] ✓ SB6b – Core practical: Light intensity and photosynthesis ✓ SB6c – Absorbing water and mineral ions ✓ SB6d – Transpiration and translocation ✓ SB6e – Plant adaptations ✓ SB6f – Plant hormones ✓ SB6g – Uses of plant hormones [H] <ul style="list-style-type: none"> ✓ SB6 – Revision activities <ul style="list-style-type: none"> ✓ SB1-5 – Year 10 exam revision activities 	<p>SB6 – End of topic test</p> <p>End of Year 10 Exam</p>

End of year assessment

This will include topics SB1-5

Misconceptions will be addressed as part of the end of year assessment review process

Term	Topic	Learning Outcomes	Assessment
<p style="writing-mode: vertical-rl; transform: rotate(180deg);">Year 11</p> <p>Term 1</p>	<p>SB7 Animal Coordination, Control and Homeostasis (Paper 2)</p>	<p>To know about:</p> <ul style="list-style-type: none"> ✓ SB7a – Hormones ✓ SB7b – Hormonal control of metabolic rate [H] ✓ SB7c – The menstrual cycle ✓ SB7d – Hormones and the menstrual cycle [H] ✓ SB7e – Control of blood glucose [H] ✓ SB7f – Type 2 diabetes ✓ SB7g – Thermoregulation [H] ✓ SB7h – Osmoregulation ✓ SB7i – The kidneys [H] <ul style="list-style-type: none"> ✓ SB7 – Revision activities <ul style="list-style-type: none"> ✓ SB1-5 – Year 11 mock exam revision activities 	<p>SB6 – End of topic test</p> <p>Year 11 Mock exam</p>

Year 11 Mock exams

This will include topics SB1-5

Misconceptions will be addressed as part of the end of year assessment review process

	Term	Topic	Learning Outcomes	Assessment
Year 11	Term 2	SB8 Exchange and Transport in Animals (Paper 2)	<p>To know about:</p> <ul style="list-style-type: none"> ✓ SB8a – Efficient transport and exchange ✓ SB8b – Factors affecting diffusion ✓ SB8c – The circulatory system ✓ SB8d – The heart ✓ SB8e – Cellular respiration ✓ SB8e – Core practical: respiration rates ✓ SB8 – Revision activities 	SB8 – End of topic test
		SB9 Ecosystems and Material Cycles (Paper 2)	<p>To know about:</p> <ul style="list-style-type: none"> ✓ SB9a – Ecosystems ✓ SB9b – Energy transfer ✓ SB9c – Abiotic factors and communities ✓ SB9c – Core practical: Quadrats and transects ✓ SB9d – Biotic factors and communities ✓ SB9e – Assessing pollution [H] ✓ SB9f – Parasitism and mutualism ✓ SB9g – Biodiversity and humans ✓ SB9h – Preserving biodiversity ✓ SB9i – Food Security ✓ SB9j – The water cycle ✓ SB9k – The water cycle ✓ SB9l – The nitrogen cycle ✓ SB9m – Rates of decomposition ✓ SB9 – Revision activities 	SB9 – End of topic test

	Term	Topic	Learning Outcomes	Assessment
Year 11	Term 3	Exam Preparation	<ul style="list-style-type: none"> ✓ Exam techniques ✓ Past exam papers ✓ 6 mark questions 	Paper 1 and Paper 2 Mock exam papers

Exam dates:

Paper 1 exam dates:

Biology – 19th May 2021

Chemistry – 24th May 2021

Physics – 27th May 2021

Paper 2 exam dates:

Biology – 14th June 2021

Chemistry – 17th June 2021

Physics – 22nd June 2021

