

Year 10 COMBINED Science - Biology Name:

<p>Sept - Oct</p>	<ul style="list-style-type: none"> • Topic 7 – Hormones introduction • Topic 7 – Homeostasis • Topic 7 – Glucose regulation • Topic 7 - Diabetes • Topic 7 - Menstrual cycle • Topic 7 – Contraception • Topic 7 – Assisted Reproductive Technology • Topic 7 - Adrenaline and Thyroxine (Higher only) • Topic 8 - Surface area to volume ratio • Topic 8 - Lung structure and alveoli (dissection demo)
<p>Nov - Dec</p>	<ul style="list-style-type: none"> • Topic 8 - Blood + blood vessels structure and function • Topic 8 - Heart structure and function (dissection demo) • Topic 8 - Aerobic and anaerobic respiration • Topic 8 – Core practical: respirometer • Topic 8 – Exercise and Heart Rate • Topic 8 – Cardiac output calculations • Topic 7 & 8 test • Topic 6 – Photosynthesis • Topic 6 – Limiting Factors • Topic 6 – Pondweed practical
<p>Jan - Feb</p>	<ul style="list-style-type: none"> • Topic 6 – Core practical: algal balls • Topic 6 – Core practical: Osmosis core practical • Topic 6 – Microscopy – Stomata, root hair cells, xylem • Topic 6 – Transpiration • Topic 6 – Transpiration • Topic 6 – Measuring transpiration and calculations • Topic 6 – Translocation • Topic 9 – Ecosystems introduction • Topic 9 – Food chains and energy transfer • Topic 9 – Biotic factors and communities • Topic 9 – Parasitism and Mutualism • Topic 9 – Human impact on Biodiversity
<p>Feb - March</p>	<ul style="list-style-type: none"> • Topic 9 – Human impact on Biodiversity • Topic 9 – Conservation • Topic 9 – Reforestation • Topic 9 – Water cycle

	<ul style="list-style-type: none"> • Topic 9 – Carbon cycle • Topic 9 – Nitrogen cycle • Topic 9 – Abiotic factors • Topic 9 – Core practical – transect • Topic 9 – Keys and random sampling • Topic 6 & 9 test
April - May	<ul style="list-style-type: none"> • Topic 5 – Health and Disease introduction • Topic 5 – STIs • Topic 5 – Human physical and chemical barriers • Topic 5 – Specific immune response • Topic 5 – Immunisation • Topic 5 – Developing new medicines • Topic 5 – Non-communicable diseases (part 1)
June – July	<ul style="list-style-type: none"> • Topic 5 – Non-communicable diseases (part 2) • Topic 5 – Cardiovascular disease and treatment • Y10 mocks • Topic 3 – Variation • Topic 3 – DNA structure and function • Topic 3 – DNA extraction practical • Topic 3 – Genetics fundamentals
Test 1 – (Topic 7 & 8)	
Test 2 – (Topic 6 & 9)	
YEAR 10 MOCKS	

Year 11 COMBINED Biology

Name: _____

Sept - Oct	<ul style="list-style-type: none">• Topic 9 – Parasitism and Mutualism• Topic 9 – Human impact on Biodiversity• Topic 9 – Abiotic factors• Topic 9 – Keys and random sampling• Topic 9 – Core practical – transect• Topic 9 – Conservation• Topic 9 – Reforestation• Topic 9 – Water cycle• Topic 9 – Carbon cycle• Topic 9 – Nitrogen cycle
Nov - Dec	<ul style="list-style-type: none">• Topic 5 – Health and Disease introduction• Topic 5 – STIs• Topic 6 & 9 test• Topic 5 – Human physical and chemical barriers• Topic 5 – Specific immune response• Topic 5 – Immunisation• Topic 5 – Developing new medicines• Topic 5 – Non-communicable diseases (part 1)• Topic 5 – Non-communicable diseases (part 2)• Topic 5 – Cardiovascular disease and treatment• Y11 mocks 1
Jan - Feb	<ul style="list-style-type: none">• Topic 3 – Variation• Topic 3 – DNA structure and function• Topic 3 – DNA extraction practical• Topic 3 – Genetics fundamentals• Topic 3 – Monohybrid inheritance• Topic 3 – Inheritance of gender• Topic 3 – Human Genome Project• Y11 mocks 2
Feb - March	<ul style="list-style-type: none">• Topic 2 – Mitosis• Topic 2 – Meiosis• Topic 2 – Sexual and asexual reproduction• Topic 2 – Stem cells• Topic 2 – Growth in animals• Topic 2 – Growth in plants• Topic 2 – The nervous system• Topic 2 – Synapses• Topic 2 – Reflex arc <p>Topic 2 & 3 test</p>

April - May	<ul style="list-style-type: none"> • Topic 4 – Classification • Topic 4 – Evidence of human evolution • Topic 4 – Evolution by natural selection • Topic 4 – Selective breeding • Topic 4 – Genetic engineering • Revision
Test 1 – (Topic 6 & 9)	
MOCKS 1	MOCKS 2
Test 2 – (Topic 2 & 3)	