Curriculum Sequencing Grid: *Triple Biology Single Award*

Year 10	Term 1	Term 2	Term 3
Unit (Tablet in 39 week plan)	• B4.2 – Organisation • B4.5 – Homeostasis •	• B4.7 – Ecology – Part	• B4.7 – Ecology – Part
Key Retainable Knowledge (Required for Y11/13) • **What… How…. Why….**	• Cells, tissues and organs • Respiration • Enzymes	• Abiotic • Biotic • Communities • Adaptations • Organisation levels	• Abiotic • Biotic • Communities • Adaptations • Organisation levels
Key Technical Vocabulary (To be modelled and deliberately practiced in context.)	• Organelles, cell, microscope, magnification, adaptation, diffusion, osmosis • Hormone, endocrine, nervou	• Quadrat, Transect, Variation, Population, Ecosystem, Interdependence	• Quadrat, Transect, Variation, Population, Ecosystem, Interdependence
Opportunities for Reading	• Hormones involved in growth • Leah Betts news story •	• Conservation of snow leopard, Successful breeding of Giant Pandas in Edinburgh zoo	• Conservation of snow leopard, Successful breeding of Giant Pandas in Edinburgh zoo
Developing Cultural Capital (exposure to very best- essential knowledge and skills of educated citizens – appreciation of human	• Job Links = pharmacist, doctor, nurse, family & sexual health clinic worker, care worker	• Job Links = ecologist, conservationist, environmental engineering,	• Job Links = ecologist, conservationist, environmental engineering,

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creativity and achievement.)			
Cross Curricular Links (Authentic Connections)	• Appreciation of human creativity and achievement = Leonard Thompson, first patient treated with insulin for diabetes	• Maths – formula: application of formula and units, rearranging formula • Maths – line graphs: drawing and interpreting	• Maths – formula: application of formula and units, rearranging formula • Maths – line graphs: drawing and interpreting
Key Assessment	• End of Unit Tests	• End of Unit Tests	• End of Unit Tests • End of Year exam

How Science Work Skills in Science	• These skills will continuously throughout the year, some or all of which will be covered within each topic
	  o Variables
	  o Equipment
	  o Risk assessments
	  o Writing a method
	  o Presenting data (bar charts and line graphs)
	  o Interpreting data
	  o Types of error (measuring, systematic, random)
	  o Equations, calculations and units
	  o Evaluating
	  o Models		

Curriculum Sequencing Grid: *Triple Biology Single Award*

Year 11	Term 1	Term 2	Term 3
Unit (Tablet in 39 week plan)	• B4.7 – Ecology – Part	• B4.7 – Ecology – Part	• Revision
Key Retainable Knowledge (Required for Y11/13) • What… How…. Why….	• Abiotic • Biotic • Communities • Adaptations Organisation levels	• Abiotic • Biotic • Communities • Adaptations Organisation levels	• EVERYTHING!
Key Technical Vocabulary (To be modelled and deliberately practiced in context.)	• Quadrat, Transect, Variation, Population, Ecosystem, Interdependence	• Quadrat, Transect, Variation, Population, Ecosystem, Interdependence	
Opportunities for Reading	• Conservation of snow leopard, Successful breeding of Giant Pandas in Edinburgh zoo	• Conservation of snow leopard, Successful breeding of Giant Pandas in Edinburgh zoo	
Developing Cultural Capital (exposure to very best- essential knowledge and skills of educated citizens – appreciation of human creativity and achievement.)	• Job Links = ecologist, conservationist, environmental engineering,	• Job Links = ecologist, conservationist, environmental engineering,	

Curriculum Sequencing Grid: *Triple Biology Single Award*

Cross Curricular Links (Authentic Connections)	• Maths – formula: application of formula and units, rearranging formula • Maths – line graphs: drawing and interpreting	• Maths – formula: application of formula and units, rearranging formula • Maths – line graphs: drawing and interpreting	
Key Assessment	• End of Unit Tests • Paper 1 Y11 Mocks	• End of Unit Tests • Paper 2 Y11 Mocks	• Real Exams!!!

How Science Work Skills in Science	• These skills will continuously throughout the year, some or all of which will be covered within each topic
	  o Variables
	  o Equipment
	  o Risk assessments
	  o Writing a method
	  o Presenting data (bar charts and line graphs)
	  o Interpreting data
	  o Types of error (measuring, systematic, random)
	  o Equations, calculations and units
	  o Evaluating
	  o Models		