

Year 11 Science – Curriculum Map

	1	2	3	4	5
Year 11 Biology	Topic title: B10 – The human nervous system	Topic title: B11- Hormonal coordination	Topic title: B12 – Reproduction	Topic title: B13 - Variation and Evolution	Topic title: B14 - Genetics and Evolution
	Big Questions: How does the nervous system function and how can its response be measured?	Big Questions: How does the endocrine system maintain optimum internal conditions?	Big Questions: How are characteristics inherited through reproduction?	Big Questions: How does variation in a species allow for evolution to happen?	Big Questions: How do we know that evolution has happened in the past and that it is happening today?
	Assessment AUTUMN TERM Biology mock exam 1 hour and 15 minutes Paper 1 content	Assessment SPRING TERM Biology mock exam 1 hour and 15 minutes Paper 1 content	Assessment SUMMER TERM Biology mock exam 1 hour and 15 minutes Paper 2 content	Assessment	Assessment

	6	7	8
Year 11 Biology	Topic title: B15 – Adaptations, interdependence and competition	Topic title: B16 – Organising an ecosystem	Topic title: B17 - Biodiversity and ecosystems
	Big Questions: What are adaptations? Why are they so important when understanding ecosystems?	Big Questions: Why is the cycling of materials in nature so vital to life on Earth?	Big Questions: How do humans influence biodiversity on Earth?
	Assessment	Assessment	Assessment

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Year 11 Chemistry	Topic title: C11 – The Earth's atmosphere	Topic title: C12 – The Earth's resources	
	Big Questions: What is the Earth's atmosphere and how has it changed over time?	Big Questions: How are we seeking to make sustainable use of the Earth's limited resources?	
	Assessment AUTUMN TERM Biology mock exam 1 hour and 15 minutes Paper 1 content hour and 15 minutes Paper 2 content	Assessment SPRING TERM Biology mock exam 1 hour and 15 minutes Paper 1 content	Assessment SUMMER TERM Biology mock exam 1 hour and 15 minutes Paper 2 content

	1	2	3
Year 11 Physics	Topic title: P11 Wave properties	Topic title: P12 Electromagnetic waves	Topic title: P13 Electromagnetism
	Big Questions: How do we calculate wave properties? What are reflection and refraction and how do these differ? How do we investigate waves?	Big Questions: What are electromagnetic waves, what are their properties and how do we use them?	Big Questions: What is magnetism, how can we interpret it and use it in conjunction with electricity? How do generators, alternators and transformers work? (Triple Only)
	Assessment AUTUMN TERM Physics mock exam 1 hour and 15 minutes Paper 1 content	Assessment SPRING TERM Physics mock exam 1 hour and 15 minutes Paper 1 content	Assessment SUMMER TERM Physics mock exam 1 hour and 15 minutes Paper 2 content