

Year 10 Science - Curriculum Map

	1	2	3	4	5
Year 10 Biology	Topic title: B3 – Organisation and the digestive system.	Topic title: B4 a) – organising animals	Topic title: B5 – Communicable diseases	Topic title: B6 – Preventing and treating disease	Topic title: B7 – Non-Communicable diseases
	Big Questions: What is the structure and function of the digestive system?	Big Questions: What is the structure and function of the heart and lungs?	Big Questions: What causes communicable diseases and how are they spread?	Big Questions: How are diseases prevented and treated?	Big Questions: What are non-communicable diseases and how do they affect our health?
	Assessment AUTUMN TERM Practice exam questions from units in most recent teaching block.	Assessment SPRING TERM Practice exam questions from units in most recent teaching block.	Assessment SUMMER TERM Biology mock exam 1 hour and 15 minutes Paper 1 content	Assessment	Assessment

	6	7	8
Year 10 Biology	Topic title: B4 b) – Organising animals and plants	Topic title: B8 Photosynthesis	Topic title: B9 – Respiration
	Big Questions: How are the structures of plant tissues related to their functions?	Big Questions: How do different factors affect the rate of photosynthesis?	Big Questions: How is energy transferred in aerobic respiration and anaerobic respiration?
	Assessment	Assessment	Assessment

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Year 10 Chemistry	Topic title: C5 – Chemical changes	Topic title: C6 – Electrolysis	Topic title: C7 – Energy changes	Topic title: C8 – Rates and equilibrium	Topic title: C9 – Crude Oils
	Big Questions: How can we make and prepare pure, dry samples of salts?	Big Questions: How do we split up ionic compounds using electricity?	Big Questions: Why do chemical reactions always involve transfers of energy?	Big Questions: What factors affect the rate of a chemical reaction?	Big Questions: How do we get useful products from crude oil?
	Assessment AUTUMN TERM Practice exam questions from units in most recent teaching block.	Assessment SPRING TERM Practice exam questions from units in most recent teaching block.	Assessment SUMMER TERM Chemistry mock exam 1 hour and 15 minutes Paper 1 content	Assessment	Assessment

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Year 10 Physics	Topic title: P4 Electric circuits	Topic title: P5 Electricity in the home	Topic title: P6 Molecules and matter .	Topic title: P7 Radioactivity	Topic title: P8 Forces In balance
	Big Questions: How does current, voltage, and resistance behave in different types of circuits?	Big Questions: How is electricity generated, and how is it used in the home?	Big Questions: How do particles interact and how does this influence the properties of materials?	Big Questions: What are the three types of nuclear radiation, how they are formed, used and managed? What is nuclear radiation used for? (Triple only)	Big Questions: What are forces and how do they interact? What are moments, levers and gears? (Triple Only)
	Assessment AUTUMN TERM Practice exam questions from units in most recent teaching block.	Assessment SPRING TERM Practice exam questions from units in most recent teaching block	Assessment SUMMER TERM Physics mock exam 1 hour and 15 minutes Paper 1 content	Assessment	Assessment

	6	7
Year 10 Physics	Topic title: P9 Motion	Topic title: P10 Forces in motion
	Big Questions: How can we represent and calculate velocity, speed and acceleration?	Big Questions: How do motion forces interact and how are they calculated?
	Assessment	Assessment