

Curriculum Map – Science - Alternative curriculum Year 10

	Term 1a	Term 1b	Term 2a	Term 2b	Term 3a	Term 3b
Y10	Topic Title: Feeding relationships between organisms.	Topic Title: Adaptations and the environment.	Topic Title: Evolution and genetics.	Topic Title: Energy and rate of reactions. Reactions of metals with acids.	Topic Title: The Earth's atmosphere and burning fuels. Electric circuits.	Topic Title: Magnets and electromagnets. Waves
	Big questions: How is energy transferred through ecosystems?	Big questions: How are organisms adapted to their environment?	Big questions: How do organisms evolve over time?	Big questions: How does the concentration of an acid affect the type and rate of reaction?	Big questions: How and why has the Earth's atmosphere changed over time? What are the properties of different electric circuits?	Big questions: What is a magnetic field, and what uses do they have? What are the uses and properties of different waves?
	Assessment: TDA – How does light intensity affect the rate of photosynthesis	Assessment: Checkpoint activity practice questions.	Assessment: TDA – Model practical beak shape and food selection.	Assessment: TDA – Using an acid and metal carbonate to make a salt.	Assessment: Checkpoint activity practice questions. TDA – How does the length of wire affect resistance in a circuit.	Assessment: TDA – How does the amount of coils of wire affect the strength of an electromagnet?