

Science Year 11

Learning Intentions Spring Term 1 2024-2025

	LESSON 1	LESSON 2	LESSON 3	LESSON 4
WEEK 16 wc 6 th January	School Closure			
WEEK 17 wc 13 th January	Responsive Curriculum 1: Enzymes	What is an ecosystem?	How do abiotic factors affect ecosystems?	How do biotic factors affect ecosystems?
WEEK 18 wc 20 th January	Responsive Curriculum 2: Reactions of Acids	Core Practical: Quadrats and Transects (2 lessons)	Core Practical: Quadrats and Transects (2 lessons)	How are organisms dependent on each other?
WEEK 19 wc 27 th January	Responsive Curriculum 3: Equations for Acceleration	How do humans affect ecosystems?	How can biodiversity be preserved?	How does water cycle through the environment?
WEEK 20 wc 3 rd February	Responsive Curriculum 4: Selective Breeding and Bacterial Resistance	How does carbon cycle through the environment?	How does nitrogen cycle through the environment?	What are hydrocarbons and where do they come from?
WEEK 21 wc 10 th February	Responsive Curriculum 5: Products of Electrolysis	How do we separate the useful parts out of crude oil, how do we make some parts more useful?	What are alkanes and what are their properties?	What are the products of complete combustion?
HT Catch Up	Responsive Curriculum 6: Alpha, Beta and Gamma Properties and Decay	What are the products of incomplete combustion?	How does burning fuels produce pollution like acid rain?	How do we make some parts of crude oil more useful?