

Science Year 11

Learning Intentions Autumn Term 2 2024- 2025

	LESSON 1	LESSON 2	LESSON 3	Lesson 4
WEEK 9 wc 4 th November	<p style="text-align: center;">PAZ</p> <p>In lessons students will be reviewing key content and practising exam technique for science. The exact content will be decided by the class teacher based on the best learning gains for their class.</p>			
WEEK 10 wc 11 th November				
WEEK 11 wc 18 th November	What are magnets and what do their forces look like?	How can we make electromagnets?	How do magnetic forces work? (H)	Why are transformers used in the national grid?
WEEK 12 wc 25 th November	How do transformers work? (structure and functions)	How do transformers work? (calculations)	What factors affect the size and direction of an induced potential difference? (H)	Review and Practise
WEEK 13 wc 2 nd December	What is photosynthesis?	What are the factors that affect photosynthesis?	Core practical: Investigating the effect of light intensity on the rate of photosynthesis. (Substantiative Knowledge)	Core practical: Investigating the effect of light intensity on the rate of photosynthesis. (Disciplinary Knowledge)
WEEK 14 wc 9 th December	How do plants absorb water and minerals?	How do water and minerals move around plants? (transpiration)	How do water and minerals move around plants? (translocation)	What is an ecosystem?
WEEK 15 wc 16 th December	How do abiotic factors affect ecosystems?	How do biotic factors affect ecosystems?	Core Practical: Quadrats and Transects (Substantiative Knowledge)	Core Practical: Quadrats and Transects (Disciplinary Knowledge)