

Science Year 10

Learning Intentions Spring Term 1 2024-2025

	LESSON 1	LESSON 2	LESSON 3	Lesson 4	Lesson 5 (alternate weeks)
WEEK 16 wc 6 th January	School Closure				
WEEK 17 wc 13 th January	How do alleles affect genotype and phenotype?	How are genes inherited?	What happens when genes mutate?	What are the types of variation and how do we identify them?	How do we know humans evolved? (2 lessons)
WEEK 18 wc 20 th January	How do we know humans evolved? (2 lessons)	What is Darwin's Theory of Evolution? (2 lessons)	What is Darwin's Theory of Evolution? (2 lessons)	How do we classify organisms?	
WEEK 19 wc 27 th January	How did we end up with so many different breeds and varieties of species?	Why do we genetically engineer organisms? (2 lessons)	Why do we genetically engineer organisms? (2 lessons)	How can we describe waves?	How do we measure and calculate the speed of a wave?
WEEK 20 wc 3 rd February	Core practical: Investigating waves	How are waves refracted?	Core practical: Investigating refraction	What are electromagnetic waves?	
WEEK 21 wc 10 th February	What is the EM spectrum?	How do we use the long waves in the EM spectrum?	How do we use the short waves in the EM spectrum?	What are the dangers of EM radiation?	How has the model of the atom changed over time? What's inside an atom?