

# Science Year 11

## Learning Intentions Spring Term 2

2024-2025

	LESSON 1	LESSON 2	LESSON 3	LESSON 4
WEEK 22 wc 24 <sup>th</sup> February	RC: Radioactivity	What are the products of incomplete combustion?	How do we make some parts of crude oil more useful?	What was the early atmosphere made of?
WEEK 23 wc 3 <sup>rd</sup> March	RC: Week 1 half paper	How did the atmosphere change over time?	What is the atmosphere like now?	What is climate change?
WEEK 24 wc 10 <sup>th</sup> March	RC: Week 2 half paper	How does the particle model describe solids, liquids, and gasses?	How do we calculate density of regular and irregular objects?	Core practical: Investigate the densities of solid and liquids.
WEEK 25 wc 17 <sup>th</sup> March	RC: Week 3 half paper	What happens to particles when substances change state (kinetic theory)?	What is specific Latent heat and how do we calculate it?	What is specific heat capacity and how do we calculate it?
WEEK 26 wc 24 <sup>th</sup> March	RC: Week 4 half paper	Core Practical: Investigate the properties of water by determining the specific heat capacity of water and obtaining a temperature-time graph for melting ice. (2 lessons)	Core Practical: Investigate the properties of water by determining the specific heat capacity of water and obtaining a temperature-time graph for melting ice. (2 lessons)	What is gas pressure, and how does temperature affect gas pressure?
WEEK 27 wc 31 <sup>st</sup> March	RC: Week 5 half paper	What is elastic distortion and how do we calculate it?	How much energy is transferred in springs, what is the relationship between force and extension?	Core Practical: Investigate the extension and work done when applying forces to a spring.