

## Year 11 Triple Science Teaching Plan (Sept 2024-July 2025)

Week Beginning	Topic	Required Practicals Revision guide (H)	Spec. Points
2/9 Week 1	B7: levels of organisation, materials cycling, decomposition, impact environmental change	RP9: sampling RP10: decay of fresh milk	4.7.2
9/9 Week 2	B7: biodiversity, waste management, land use, deforestation, global warming, trophic levels, food production		4.7.3-4.7.5
16/9 Week 3	C6: rates of reaction	RP5: rates of reaction (gas syringe) RP5: rates of reactions (black cross)	4.6.1
23/9 Week 4	C6: reversible reactions and dynamic equilibrium		4.6.2
30/9 Week 5	C7: carbon compounds as fuels and feedstock		4.7.1
7/10 Week 6	C7: reactions of alkenes and alcohols, synthetic and naturally occurring polymers		4.7.2-4.7.3
14/10 Week 7	C8: purity, formulations, chromatography, identifying gas tests, identifying ions by chemical and spectroscopic means	RP 6: chromatography RP7: chemical tests to identify ions	4.8
21/10 Week 8	C9: composition and evolution of the Earth's atmosphere, carbon dioxide and methane as greenhouse gases, common atmospheric pollutants		4.9
<b>October Half Term</b>			
4/11 Week 9	PPE 1 Revision		
11/11 Week 10	PPE 1 Assessment – ?? and ??		
18/11 Week 11	PPE 1 Assessment – ?? and ??		
25/11 Week 12	C10: using Earth's resources, potable water, life cycle assessments	RP8: analysis and purification of water samples	4.10.1-4.10.2
2/12 Week 13	C10: using materials, Haber process and NPK fertilisers		4.10.3-4.10.4
9/12 Week 14	P5: forces and their interactions, work done, forces and elasticity	RP6: force and extension	4.5.1-4.5.3
16/12 Week 15	P5: moments, levers and gears, pressure and differences in fluids		4.5.4-4.5.5
<b>Christmas Holiday</b>			
6/1 Week 16	P5: forces and motion, momentum	RP7: investigating Newton's second law	4.5.6-4.5.7
13/1 Week 17	P6: waves in air, fluids and solids	RP8: waves in water and string RP9: reflection and refraction of light	4.6.1
20/1 Week 18	P6: electromagnetic waves	RP10: infrared absorption and emission	4.6.2
27/1 Week 19	PPE 2 Revision		
3/2 Week 20	PPE 2 Assessment – ?? and ??		
10/2 Week 21	PPE 2 Assessment – ?? and ??		
<b>February Half Term</b>			

24/2 Week 22	P6: black body radiation		4.6.3
3/3 Week 23	P7: permanent and induced magnetism, magnetic forces and fields		4.7.1
10/3 Week 24	P7: the motor effect, induced potential, transformers and National Grid		4.7.2-4.7.3
17/3 Week 25	P8: solar system, orbital motion, satellites, red-shift		4.8
24/3 Week 26	Final Revision		
31/3 Week 27	Final Revision		
<b>Easter Holiday</b>			
21/4 Week 28	Final Revision		
28/4 Week 29	Final Revision		
5/5 Week 30	Final Revision		
12/5 Week 31	EXAMS		
19/5 Week 32	EXAMS		
<b>May Half Term</b>			
2/6 Week 33	EXAMS		
9/6 Week 34	EXAMS		
16/6 Week 35	EXAMS		
23/6 Week 36	EXAMS		