Year 9 Long Term Scheme of Learning 2025-26

Subject: Science

Date (w/b)	Exams	Biology	Chemistry	Physics (2025 / 2026)
01/09/2025		**B8: Evolution and Natural Selection** 9B8.1 Variation & Competition 9B8.2 Natural Selection 9B8.3 Evolution Over Time 9B8.4 Extinction & Biodiversity 9B8.5 Preserving Life	**C8: Earth's Resources** 9C8.1 Earth's Resources 9C8.2 Water 9C8.3 The Air 9C8.4 Fossil Fuels 9C8.5 Ceramics 9C8.6 Polymers & Composites 9C8.7 Recycling & Sustainability	**P9: Waves** • 9P9.1 Light Waves • 9P9.2 Light & Materials • 9P9.3 Reflection & Mirrors • 9P9.4 Refraction & Lenses • 9P9.5 The Eye • 9P9.6 Light & Energy • 9P9.7 Colour
08/09/2025				
15/09/2025				
22/09/2025				
29/09/2025				
06/10/2025				
13/10/2025				
20/10/2025				
03/11/2025		**B9: Health and Disease** 9B9.1 Health 9B9.2 Types of Diseases 9B9.3 Pathogens 9B9.4 The Body's Defences 9B9.5 Prevention & Treatment	**C9: Reactivity & Electrolysis** 9C9.1 Reactivity 9C9.2 The Reactivity Series 9C9.3 Extracting Metals with Carbon 9C9.4 Electrolysis 9C9.5 Comparing Metal Extraction	**P10: Static Electricity** • 9P10.1 Static Electricity • 9P10.2 Charges & Electrons • 9P10.3 Forces Between Charges • 9P10.4 Electrical Fields • 9P10.5 Static Electricity in the Real World **P3 – Energy resources** • P3.1 – Energy demands
10/11/2025				
17/11/2025				
24/11/2025				
01/12/2025				
08/12/2025				
15/12/2025				
05/01/2026		**B1 Cell Biology** • B1 Animal Cells (+ B2.1 Hierarchy) • B1.1 Plant cells • B1.1 Cell differentiation	**C1 Atomic Structure** • Atom, com[pounds and mixtures • Chemical equations • Separating mixtures	**P3 – Energy resources** • P3.2 – Energy from Wind & Water • P3.3 – Energy from Sun & Earth • P3.4 – P3.5 – Environment & Issues
12/01/2026				
19/01/2026				

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26/01/2026		• B1.1 Microscopy		**Assessment 1 -> KS3 Content** **P1 – Energy Stores & Transfers cont.** • P1.1 – Changes in energy stores
02/02/2026				
09/02/2026				
23/02/2026		• B1.1 Required practical 1 - Microscopy **Assessment week** • Stem Cells / Chromosomes • Mitosis / Cell cycle • Diffusion • Diffusion **B2 Organisation** • B2.2 Blood •	**C1 Atomic Structure** • How the current model of the atom was developed • What model do we use to represent an atom today What are isotopes? • How electrons are arranged in an atom	**P1 – Energy Stores & Transfers cont.** • P1.2 – Conservation of energy • P1.3 – Energy & Work • P1.4 – Gravitational Potential Energy • P1.5 – Kinetic & Elastic energy
02/03/2026				
09/03/2026				
16/03/2026				
23/03/2026				
30/03/2026				
20/04/2026		• B2.2 Heart Structure • B2.2 Gas Exchange • B2.2 Blood Vessels	**C1 The Periodic Table** • Development of the Periodic Table • How the modern Periodic Table is arranged • Properties of metals in the Periodic Table • Properties of metal and non-metal oxides • Group 0 elements the Noble Gases • Group 1 elements the Alkali Metals • Group 7 elements the Halogens and their displacement reactions •	**P1 – Energy Stores & Transfers cont.** • P1.6 – Energy dissipation • P1.7 – Energy & efficiency • P1.8 – Electrical appliances • P1.9 – Electrical power
27/04/2026				
04/05/2026				
11/05/2026				
18/05/2026				
01/06/2026		**Assessment fortnight** • Human Digestive system • Required Practical Activity: Food Tests	**C1 and C2 The Periodic Table** • Explaining reaction trends and predicting reactivity.	**Assessment 2 -> P1 & P3** **P2 – Energy transfer by heating** • P2.1 - Energy transfer by conduction
08/06/2026				
15/06/2026				

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22/06/2026		• Properties on enzymes • Human Digestive enzymes • Required Practical 7 – Sampling (another opportunity in Y10 Summer)	5.2.1 Chemical bonds, ionic, covalent and metallic **End of Year Exam** 5.2.1 Chemical bonds, ionic, covalent and metallic	• P2.2 - Infrared radiation • P2.3 – More about IR radiation • P2.4 – Specific Heat Capacity • P2.5 – Heating & Insulating Buildings
29/06/2026				
06/07/2026				
13/07/2026				