

Subject: Science

Date (w/b)	Assessment	Unit(s)
02/09/2024		<b>8B4: Plants &amp; Ecosystems</b> 4.1 Food Chains and Food Webs
09/09/2024		4.2 Ecosystems and Adaptations 4.3 Competition
16/09/2024		4.4 Pollination 4.5 Plant Fertilisation
23/09/2024		4.6 Seed Dispersal 4.7 Read like a Scientist
30/09/2024		<b>8P5: Energy Transfers</b> 5.1 Temperature and Heat
07/10/2024		5.2a Conduction 5.2b Conduction
14/10/2024		5.3 Convection 5.4 Radiation 5.5 Insulation 5.6 Read like a Scientist
21/10/2024		<b>8P6: Forces</b> 6.1 Pressure 6.2 Atmospheric Pressure
04/11/2024		6.3 Pressure in Liquids 6.4 Floating and Sinking 6.5 Pressure at Depth
11/11/2024		6.6 Read like a Scientist <b>8C5: Chemical Reactions</b>
18/11/2024	AP1	5.1 Acids and Alkalis 5.2 Indicators and pH 5.3 Acid Strength
25/11/2024	AP1	5.4 Neutralisation 5.5 Making salts 5.6 Metals and non-metals
02/12/2024		5.7 Reactions of metals with acid and water 5.8 Reactivity series 5.9 Displacement reactions
09/12/2024		
16/12/2024		<b>8C6: Energetics</b> 6.1 Chemical and physics change 6.2 Types of chemical reactions
06/01/2025		6.3 Change of state

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13/01/2025		6.4 Exothermic reactions
20/01/2025		6.5 Endothermic reactions
27/01/2025		6.6 Using chemical reactions
03/02/2025		8B5: Human Systems
10/02/2025		5.1 Cells as the building blocks
		5.2 Gas exchange
		5.3 Breathing
		5.4 Drugs
		5.6 Alcohol
		5.7 Smoking
		5.8 Food and nutrition
		5.9 Food tests
		5.10 Unhealthy diets
		5.11 Digestion
		5.12 Bacteria and enzymes
24/02/2025		8P7: Waves
03/03/2025		7.1 Sound waves
10/03/2025		7.2 Loudness and amplitude
17/03/2025		7.3 Frequency and pitch
24/03/2025		7.4 The ear and hearing
31/03/2025		7.5 Echoes
21/04/2025		7.6 Light waves
28/04/2025		7.8 Reflection
05/05/2025		7.9 Refraction
12/05/2025	AP2	7.10 The eye
19/05/2025	AP2	7.11 Colour
		8P8: Magnetism
		8C7: Earth and the Atmosphere
		7.1 Global warming
		7.2 The carbon cycle
		7.3 Climate change
		7.4 Extracting metal – impact
		7.5 Finite resources
		7.6 Recycling

# Year 8 Long Term Scheme of Learning 2024-25

HELBY

High School



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02/06/2025		<b>8B6: Bioenergetics</b> 6.1 Photosynthesis 6.2 Leaves
09/06/2025		6.3 Investigation photosynthesis 6.4 Plant minerals
16/06/2025		6.5 Respiration – aerobic 6.6 Respiration – anaerobic 6.7 Biotechnology
23/06/2025		<b>8B7: Inheritance</b>
30/06/2025		7.1 Natural selection 7.2 Charles Darwin 7.3 Extinction
07/07/2025		7.4 Biodiversity 7.5 Inheritance 7.6 DNA
14/07/2025		7.8 Genetics 7.9 Genetic modification