

KS3 Science Y7/8/9

Please note: all students can access the knowledge organisers via the student portal.

Key stage 3 - (Y7 - Y9)

	Year 7	Year 8	Year 9
Term 1	<u>Introduction to Science</u> • <u>Cells</u> (Biology) • <u>Movement</u> (Biology) • Particle <u>Model</u> (Chemistry) • <u>Solutions</u> (Chemistry) • <u>Energy Intro.</u> (Physics) • <u>Energy at Home</u> (Physics) KS3 Literacy Terms	Introduction to Science • <u>Digestion</u> (Biology) • <u>Breathing</u> (Biology) • <u>Elements</u> (Chemistry) • <u>Periodic Table</u> (Chemistry) • <u>Types of Forces</u> (Physics) • <u>Thermal Energy</u> (Physics) KS3 Literacy Terms	• <u>B1a</u> – Cell structure • <u>B1b</u> – Transport in Cells • <u>C1a</u> – Atomic structure and the periodic table • <u>C1b</u> – periodic table • <u>P1a and b</u> Energy
Assessment	A 45 minute paper covering topics from Term 1	A 45 minute paper covering topics from Term 1	<i>Y9 assessment paper 1 will cover:</i> • P1a – Energy • B1a – Cell structure • C1a – Atomic structure and the periodic table
Term 2	• <u>Ecosystems</u> (Biology) • <u>Plant Reproduction</u> (Biology) • <u>Acids and Alkalis</u> (Chemistry) • <u>Separating Mixtures</u> (Chemistry)	• <u>Respiration</u> (Biology) • <u>Photosynthesis</u> (Biology) • <u>Types of Reaction</u> (Chemistry) • <u>Chemical Changes</u> (Chemistry)	• <u>B2a</u> – Organisation: the human digestive system • <u>C2</u> - Bonding • <u>P1c</u> Energy • <u>P2a</u> electricity

	Year 7	Year 8	Year 9
	• Forces Intro. (Physics) • Forces and Motion (Physics)	• Electrical Energy (Physics) • Sound Waves (Physics)	
Assessment	A 45 minute paper covering topics from Term 2	A 45 minute paper covering topics from Term 2	<i>Y9 assessment paper 2 will cover:</i> • Biology assessment: B2a - Organisation • Chemistry assessment: C2 - Bonding, structure and properties of matter • Physics assessment - P2a - Electricity
Term 3	• Variation (Biology) • Human Reproduction (Biology) • Earth's Structure (Chemistry) • Periodic Table (Chemistry) • Waves Intro. (Physics) • Light Waves (Physics)	• Inheritance (Biology) • Evolution (Biology) • Earth's Resources (Chemistry) • Climate (Chemistry) • Magnetic Forces (Physics) • Applied Forces (Physics)	• B2b – Organisation: organising animals and plants • C4a – Chemical changes • P2b - electricity