



Science curriculum overview

Key Stage 3 Units/Topics – Year 7 (Green) and Year 8 (Blue) 6 lessons per fortnight (114 per year over 38 weeks)

	To Xmas (15 week term, 45 lessons) *	To Easter (10 week term, 30 lessons)	To Summer (14 week term, 42 lessons)
Yr 7 6/fortnight	Science Skills and CP Intro (1-3) Matter & CP 1 (16) (Chem) Organisms & CP 2 (12) (Biol) Forces & CP 3 (7) (Phys) = 38 lessons	Electromagnets & CP 6 (8) (Phys) Ecosystems & CP 5 ** (9) (Biol) Reactions & CP 4 (16) (Chem) = 33 lessons	Genes & CP 7 (10) (Biol) Energy & CP 8 (8) (Phys) Waves & CP 9 (11) (Phys) CP 5 ** in Summer term = 29 lessons
Yr 8 6/fortnight	Science skills: What do scientists do? Forces & CP 3 (9) (Phys) Organisms & CP2 (13) (Biol) Matter & CP 1 (12) (Chem) = 34 lessons	Ecosystems & CP 5 (10) (Biol) Electromagnets (5) (Phys) Reactions & CP 4 (10) (Chem) Energy & CP 7 (7) (Phys) = 32 lessons	Genes & CP 8 (10) (Biol) Y7 Earth (11) (Chem) Y8 Earth (6) (Chem) Waves (4) (Phys) = 31 lessons
Yr 9 6/fortnight	Maths pre-lessons (2) B1 Cell Biology (15) C1 Atomic structure and periodic table (13) Initial review tests to be prepared for, completed and green panned mid-way through these topics P3 Particle Model of Matter (8) = 38 lessons + RRP & assessments	P3 Particle model of Matter (2 to finish) B3 Infection and response (13) start C2 Bonding, structure and properties of matter (7) = 22 lessons + RRP & assessments	C2 Bonding, structure and properties of matter (4 to finish) P4 Atomic Structure and Radioactivity (14) C5 Energy changes (9) = 27 lessons + RRP & assessments

Key

CP = Core practical

(7) = Number of lessons



Key Stage 4 Units/Topics– Year 10 (Orange) and Year 11 (Yellow)

	Half Term 1	Half Term 2**	Half Term 3	Half Term 4***	Half Term 5	Half Term 6*
Yr 10 5/week	<p>3/week = 102/114 lessons B2 (19) Organisation</p> <p>2/week =70/76 lessons P1 (18) Energy</p>	<p>C3 (Up to 14) Quantitative chemistry</p> <p>B4 (14) Bioenergetics</p> <p>Finish P1 Start P2 (18) Electricity</p>	<p>C4 (18) Chemical changes</p> <p>Finish P2</p>	<p>B7 (17) Ecology</p> <p>P5 Forces (20)</p>	<p>C6 (18) Rate and extent of chemical change</p> <p>Finish P5 Forces</p>	<p>C9 (9) Chemistry of the atmosphere</p> <p>C10 (14) Using resources</p>
Yr 11 5/week	<p>3/week = 76/78 P6 (22) Waves</p> <p>2/week = 47/52 Start B5 (10 -r 17) Homeostasis and response</p>	<p>C7 (10-13) Organic chemistry</p> <p>Finish B5 (10 or 17) Homeostasis and response</p>	<p>P7 (8-14) Electromagnetism</p> <p>B6 (16) Inheritance, variation and evolution</p>	<p>P8 Space (10) (TRIPLE ONLY)</p> <p>C8 (11) Chemical Analysis</p>	<p>Revision</p>	<p>Revision and GCSES (Revision and GCSES (start 15th May - provisional end date 23rd June)</p>