Science Department 5-Year Curriculum plan (2025 -2026)

Science curriculum intent: As a school our curriculum inspires students to want to know more, understand more and be able to do more. In science we intend to harness the innate desire in young people to want to know more about the world and use this to help them understand how the strands of science learning fit into the big picture. We intend to help the students develop into learners who can see a problem and work both independently and together to find a solution. We recognise that all young people are scientists, and we aim to enable them to develop these skills.

	Term 1 (8 WEEKS)	Term 2 (7 WEEKS)	Term 3 (6 WEEK BLOCK)	Term 4 (6 WEEK BLOCK)	Term 5 (5 WEEKS)	Term 6 (7 WEEKS)
Year 7	7AA safety and Skills	7E mixtures and Separation	7B sexual reproduction in animals (cont.)	7C Muscles and bones	7K Forces (cont.)	7L Sound (7L)
	7A cells, tissue, organs and systems	7I energy	7F acids and alkalis	7G The particle model	7D ecosystems	End of year assessment
		7B sexual reproduction in animals	7J Current electricity	7K Forces	7 H atoms, elements and molecules	projects
Year 8	8AA - Safety & risk	8I fluids	8F the periodic table	8G metals and their uses	8D unicellular organism	Revision
	8A food and nutrition	8B plants and their reproduction	8J light	8K energy transfers	8H Rocks	End of year assessments
	8E combustion	8F the periodic table	8C breathing and respiration		8L Earth and Space	projects
Year 9	9AA safety & maths	9J forces and motion	9F Reactivity	CB1a - key concepts in biology cells, enzymes	CC1 & CC2 states of matter and separating	CP1 - motion
	9A Genetics and evolution	9B plant growth	9J force fields and electromagnets			End of year assessment
	9E Making materials	9F Reactivity	KS3 revision lessons	CB1b - key concepts 2 transport	CP1 - motion	Projects (9RS1 – B2 cells and control)

Combined science

	Term 1 (8 WEEKS)	Term 2 (7 WEEKS)	Term 3 (6 WEEK BLOCK)	Term 4 (6 WEEK BLOCK)	Term 5 (5 WEEKS)	Term 6 (7 WEEKS)
Year 10	CB2 - Cells and control CB3 - genetics	CB3 - genetics CB4 natural selection and genetic modification	CB5 health, disease and the development of medicine	CB7 Animal co-ordination, control and homeostasis	CB6 Plant structures and their functions	Revision and end of year exams
	CC4 - the periodic table (inc. revision of atomic structure) CC5,6 & 7 structure and bonding	CC5,6 & 7 structure and bonding CC8 - acids and alkalis	CC8 - acids and alkalis CC9 - calculations involving masses	CC9- calculation involving masses CC10 electrolysis	CC11 obtaining and using metals CC12 reversible reactions and equilibria	
	CP2 motion and forces	CP3 conservation of energy CP4 waves	CP4 waves CP5 light and the EM spectrum	CP5 light and the EM spectrum CP 6 - radioactivity	CP 6 – radioactivity CP7 & CP8 Energy and forces	
Year 11	CB9 - ecosystems	Mock 1 CB9 - ecosystems	CB8 - exchange and transport in animals	Revision for Mock 2	Revision and exams	
	CC11 obtaining and using metals & CC12 reversible reactions and equilibria CC13 groups in the periodic table, CC14 rates, CC15 energy changes in reactions	Mock 1 CC13 groups in the periodic table, CC14 rates, CC15 energy changes in reactions	CC16 Fuels & CC17 Earth and atmosphere			
	CP 8 & 9 energy & forces	Mock 1 CP9 electricity	CP10 & Cp11 magnetism and the motor effect Cp11 electromagnetic induction CP12 & CP13 particle model and forces and matter			

Separate science

	Term 1 (8 WEEKS)	Term 2 (7 WEEKS)	Term 3 (6 WEEK BLOCK)	Term 4 (6 WEEK BLOCK)	Term 5 (5 WEEKS)	Term 6 (7 WEEKS)
Year 10	SB2 - Cells and control SB3 - genetics	SB3 – genetics SB4 natural selection and genetic modification	SB3 – genetics SB5- health, disease and the development of medicine	SB7 Animal co-ordination, control and homeostasis	SB6 Plant structures and their functions	Revision and end of year exams
	SC4 - the periodic table (Inc. revision of atomic structure) SC5,6 & 7 structure and bonding	SC8 - acids and alkalis	SC9 - calculations involving masses Sc10 & 11 electrolysis and using and obtaining metals	Sc10 & 11 electrolysis and using and obtaining metals SC12 & 13 reversible reactions and transition metals, alloys and corrosion	Sc14,15 and 16 quantitative analysis dynamic equilibrium, gas calculations, chemical cells and fuel cells.	
	SP2 motion and forces	SP3 conservation of energy SP4 waves	SP5 light and the EM spectrum	SP5 light and the EM spectrum SP 6 - radioactivity	SP 6 – radioactivity SP7 & SP8 Energy and forces	
Year 11	SB9 - ecosystems	Mock 1 SB9 - ecosystems	SB8 - exchange and transport in animals	Revision for mock 2	Revision and exams	
	SC17, 18 and 19 groups in the PT, rates, energy changes SC20 Fuels, Earth and atmosphere	Mock 1 SC 22,23,24 Hydrocarbons, alcohols and carboxylic acids, polymers	SC 22,23,24 Hydrocarbons, alcohols and carboxylic acids, polymers SC25 & 26 qualitative analysis, nanoparticles			
	SP8 & 9 energy & forces	Mock 1 SP9 - electricity & SP11 static electricity	SP12 -Magnetism and the motor effect SP13 EM induction SP14 & SP15 particle model and forces and matter			