

		Term 1 (14 wks)		Term 2 (12 wks)		Term 3 (12 wks)		
		Autumn 1 (8 wks)	Autumn 2 (6 wks)	Spring 1 (6 wks)	Spring 2 (6 wks)	Summer 1 (5 wks)	Summer 2 (4 wks) (due to EOY exams)	
Year 10 Combined Science	Physics	6.2.2 Series and parallel circuits	6.2.4 Energy transfers	6.3.2 Internal energy and energy transfers	6.4.1 Atoms and isotopes	6.5.1 Forces and their interactions	6.5.3 Forces and elasticity	
		6.2.3 Domestic uses and safety	6.3.1 Changes of state and the particle model	6.3.3 Particle model and pressure	6.4.2 Atoms and nuclear radiation	6.5.2 Work done and energy transfer	6.5.4.1 Describing motion along a line	
	Chemistry	5.7.1 Carbon compounds as fuels and feedstock	5.5.1 Exothermic and endothermic reactions	5.6.2 Reversible reactions and dynamic equilibrium	4.1.2 The periodic table (4) & 4.1.3 Properties of the transition metals (1)	4.2.2 How bonding and structure are related to the properties of substances (to 4.2.2.8 Metals as Alloys)		5.4.1 Reactivity of metals
			5.6.1 Rate of reaction	4.1.1 A simple model of the atom, symbols, relative atomic mass,	4.2.1 Chemical bonds, ionic, covalent and metallic	5.2.3 Structure and Bonding of Carbon	5.4.2 Reactions of acids	
	Biology	4.1.1 Cell structure	4.2.1 Principles of organisation to enzymes		non communicable diseases	4.4.1 Photosynthesis	4.4.2 Respiration	
		4.1.2 Cell division	4.2.2 Animal tissues, organs and organ systems (Starting on blood)	4.3.1 Communicable diseases	4.2.3 Plant tissues, organs and systems			

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Year 11 Combined Science	Physics	6.5.4.2 Forces, accelerations and Newton's Laws of motion	6.5.5 Momentum	6.6.2 Electromagnetic waves	6.7.2 The Motor effect		
		6.5.4.3 Forces and braking	6.6.1 Waves in air, fluids and solids	6.7.1 Permanent and induced magnetism, magnetic fields			
	Chemistry	5.4.3 Electrolysis		5.3.2 Use of amount of substance in relation to masses of pure substances			
		5.3.1 Chemical measurements, conservation of mass		5.8.1 Purity, formulations and chromatography 5.8.2 Identification of common gases			
	Biology	4.5.2 The human nervous system	4.5.1 Homeostasis (introduction)	4.6.1 Reproduction	4.6.3 The development of understand of genetics and evolution		
		4.5.3 Hormonal coordination in humans	4.5 Homeostasis and response	4.6.2 Variation and evolution			

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Year 10 Separate Science	Physics	6.2.2 Series and parallel circuits	6.3.1 Changes of state and the particle model	4.4.1 Atoms and isotopes	4.5.1 Forces and their interactions	4.5.5 Pressure and pressure in different fluids	4.5.6.3 Forces and braking
		6.2.3 Domestic uses and safety	4.3.2 Internal energy and energy transfers	4.4.2 Atoms and nuclear radiation	4.5.2 Work done and energy transfer	4.5.6.1 Describing motion along a line	4.5.7 Momentum
		4.2.5 Static electricity	4.3.3 Particle model and pressure	4.4.3 Hazards and uses of radioactive emissions and of background radiation	4.5.3 Forces and elasticity	4.5.6.2 Forces, accelerations and Newton's Laws of motion	
		6.2.4 Energy transfers		4.4.4 Nuclear fission and fusion	4.5.4 Moments, levers and gears		
	Chemistry	5.7.1 Carbon compounds as fuels and feedstock	5.5.1 Exothermic and endothermic reactions	4.2.1 Chemical bonds, ionic, covalent and metallic	5.2.3 Structure and Bonding of Carbon	5.4.2 Reactions of acids	5.3.2 Use of amount of substance in relation to masses of pure substances
		5.6.1 Rate of reaction	5.6.2 Reversible reactions and dynamic equilibrium	4.1.2 The periodic table (4) & 4.1.3 Properties of the transition metals (1)	5.4.1 Reactivity of metals	4.4.3 Electrolysis	
			4.1.1 A simple model of the atom, symbols, relative atomic mass,	4.2.2 How bonding and structure are related to the properties of substances (to 4.2.2.8 Metals as Alloys)	4.4.2 Reactions of acids (with titrations)	5.3.1 Chemical measurements, conservation of mass	
		4.1.1 Cell structure (including 4.1.1.6 culturing microorganisms)	4.1.3 Transport in cells	4.2.2.4 Non Communicable diseases	4.3.1 Communicable diseases	4.3.2 Monoclonal antibodies	4.4.1 photosynthesis

	Biology	4.1.2 Cell division	4.2.1 Principles of organisation	4.2.3 Plant tissues, organs and systems		4.3.3 Plant diseases	4.4.2 respiration
			4.2.2 Animal tissues, organs and organ systems				

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Year 11 Separate Science	Physics	4.6.1 Waves in air, fluids and solids	4.7.1 Permanent and induced magnetism, magnetic	4.7.2 The Motor effect	4.8.1 Solar system: stability of orbital motions; statelites		
		6.6.2 Electromagnetic waves		4.7.3 Induced potential, transformers and The National Grid	4.8.2 Red shift		
		4.6.3 Black body radiation					
	Chemistry	4.3.3 Yield and atom economy of chemical reactions	4.4.2 Reactions of acids (with titrations)	4.10.3 Using materials	4.8.3 Identification of ions by chemical & spectroscopic means		
		4.3.4 Using concentrations of solutions in mol/dm <sup>3</sup>	4.7.2 Reactions of alkenes and alcohols	4.10.4 The Haber process and the use of NPK fertilisers	4.8.2 Identification of common gases		
		4.3.5 Use of amount of substance in relation to gases	4.7.3 Synthetic and naturally occurring polymers	4.8.1 Purity, formulations and chromatography			
	Biology	4.5.2 The human nervous system and control (including the brain and the eye and control of body temperature)	4.5.3 Hormonal coordination in humans	4.6.1 Reproduction	4.6.3 The development of understanding of genetics and evolution	recap of 4.7 ecology	
		4.5.1 Homeostasis introduction	4.5.4 plant hormones	4.6.2 Variation and evolution	recap of 4.6.4 classification		