

	Year 10 Triple Science					
Refer to	Term 1 – September to December	Term 2 – January to March	Term 3 – April to July			
GCSE Spec	Biology What are the students learning? • Culturing microorganisms • Monoclonal antibodies • Plant disease • Plant hormones • Plant defences What are the key standardised assessments? FA: Monoclonal antibodies FA: Plant cells and Disease What are the standardised homework tasks? Educake is used as the standardised homework platform Chemistry What are the students learning? • Properties of transition metals • Comparing transition metals • Comparing transition metals • Sizes of particles and their properties • 4.2.4.2 Uses of nanoparticles What are the key standardised assessments? FA: Comparing Transition Metals with Group 1 FA: Bulk and Surface properties of matter	Biology What are the students learning? • Sexual and asexual reproduction • Cloning • The brain • The eye What are the key standardised assessments? FA: Cloning FA: The Eye What are the standardised homework tasks? Educake is used as the standardised homework tasks? Educake is used as the standardised homework platform Chemistry What are the students learning? • Synthetic and naturally occurring polymers • Addition polymerisation • Condensation polymerisation • DNA and other naturally occurring polymers What are the key standardised assessments? FA: Addition Polymerisation • DNA and other naturally occurring polymers What are the key standardised assessments? FA: Addition Polymerisation FA: Naturally occurring polymers What are the standardised homework tasks?	Biology What are the students learning? • Control of body temperature • Maintaining water and nitrogen balance • DNA structure • Theory of evolution What are the key standardised assessments? FA: Control of body temperature FA: DNA and Evolution What are the standardised homework tasks? Educake is used as the standardised homework platform Chemistry What are the students learning? • Reactions of alkenes • Structure and formulae of alkenes • Alcohols • Identification of ions by chemical and spectroscopic means • Flame tests			



 What are the standardised homework tasks? Educake is used as the standardised homework platform Physics What are the students learning? Hazards and uses of radioactive emissions and of background radiation Nuclear fission and fusion Space physics What are the standardised assessments? FA: Nuclear Fission and Fusion FA: Lifecycle of a Star What are the standardised homework tasks? Educake is used as the standardised homework tasks? Educake is used as the standardised homework tasks? 	Educake is used as the standardised homework platform Physics <u>What are the students learning?</u> • Static electricity • Changes in momentum • Pressure in gases • Transformers <u>What are the standardised assessments?</u> FA: Changes in momentum/Static Electricity FA: Transformers <u>What are the standardised homework tasks?</u> Educake is used as the standardised homework platform	What are the key standardised assessments? FA: Structure and formula of alkenes FA: Carboxylic Acids and Identification of Ions What are the standardised homework tasks? Educake is used as the standardised homework platform Physics What are the students learning? • Loudspeakers • Induced potential • Uses of the generator effect • Microphones What are the standardised assessments? FA: Loudspeakers FA: Loudspeakers • Induced potential • Uses of the generator effect • Microphones What are the standardised assessments? FA: Loudspeakers FA: Microphones What are the standardised homework tasks? Educake is used as the standardised homework tasks? Educake is used as the standardised homework tasks? Educake is used as the standardised homework tasks?
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Year 11 Triple Science					
Refer to	Term 1 – September to December	Term 2 – January to March	Term 3 – April to July		
GCSE Spec	Biology What are the students learning? • Speciation • Decomposition • Impact of environmental change • Trophic levels in an ecosystem • Pyramids of biomass • Transfer of biomass • What are the key standardised assessments? FA: Speciation	Biology What are the students learning? • Factors affecting food security • Farming techniques • Sustainable fisheries • The understanding of genetics • Role of biotechnology What are the key standardised assessments? FA: Intensive Farming FA: Understanding of Genetics	Biology What are the students learning? • Role of biotechnology What are the key standardised assessments? FA: Role of Biotechnology What are the standardised homework tasks? Educake is used as the standardised		
	 FA: Ecosystems and Biomass <u>What are the standardised homework tasks?</u> Educake is used as the standardised homework platform <u>Chemistry</u> <u>What are the students learning?</u> Carbonates Halides Sulfates Using concentration of solutions Use of amount of substance in relation to volume of gases <u>What are the standardised assessments?</u> FA: Carbonates, Halides and Sulfates FA: Use of amount of substance to calculate volume of gases <u>What are the standardised homework tasks?</u> Educake is used as the standardised homework tasks? 	What are the standardised homework tasks? Educake is used as the standardised homework platform Chemistry What are the students learning? • Chemical cells and fuel cells • Titrations • Yield and atom economy of chemical reactions • Percentage yield What are the standardised assessments? FA: Chemical cells and Fuel cells	homework platform Chemistry What are the students learning? Using materials The Haber process and NPK fertilisers What are the standardised assessments? FA: The Haber Process and NPK Fertilisers What are the standardised homework tasks? Educake is used as the standardised homework platform		



Physics What are the students learning? • Moments, levers and gears • Pressure and pressure differences in fluids • Sound waves • Reflection of waves • Waves for detection and exploration What are the standardised assessments? FA: Moments, Levers and Gears FA: Reflection of Waves What are the standardised homework tasks? Educake is used as the standardised homework platform	What are the standardised homework tasks?Educake is used as the standardised homework platformPhysicsWhat are the students learning?• Lenses• Visible light• Black body radiation• Absorption and emission of infrared radiationWhat are the standardised assessments?FA: LensesFA: Absorption and Emission of IRWhat are the standardised homework tasks?Educake is used as the standardised homework platform	Physics What are the students learning? • Perfect black bodies and radiation What are the standardised assessments? FA: Perfect Black Bodies and Radiation What are the standardised homework tasks? Educake is used as the standardised homework platform
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