

Key Stage 4 Programme of Study

			 Nuclear Equations Radioactivity and half lifes Endothermic and exothermic reactions Reaction Profiles Bond Energies Assessment: Tailor made Higher and Foundation assessment Values: 	Assessment: Tailor made Higher and Foundation assessment Values:	Values:	Assessment: Tailor made Higher and Foundation assessment Values:
11	Topic/Enquiry:	Topic/Enquiry:	Topic/Enquiry:	Topic/Enquiry:	EXAMS	EXAMS
	B7 Ecology	P6 Waves	C10 Using	Analysis of	EX IIVIS	
	C8 Chemical	P7 Magnetism and	Resources	strengths and weaknesses		
	Analysis	Electromagnetism	Key Knowledge:	Mocks		
	C9 Chemistry of the Atmosphere Key Knowledge: Factors affecting a community Adaptations Food chains Biodiversity Water cycle Carbon cycle Human impact on ecosystem Pollution	Key Knowledge: Transverse and longitudinal waves Refractions Electromagnetic Spectrum and uses Infrared radiation Magnets – Repulsion and attraction	 Human reources Life cycle assessment Sustainability – reduce, reuse, recycle Water treatment Sewage treatment Assessment: 	Key Knowledge: Using short assessments, mock results and PLC's. Topics with weaknesses will be identified and targetted Assessment: Values:		

 Purity and	 Magnetic 	Tailored end of	 	
Formulation	materials and	topic assessments		
 Gas Tests 	induced	made by dept.		
• Paper	magnets			
Chromatography				
Earths Early	electromagnets			
Atmosphere	The motor			
Greenhouse	effect			
effect				
Climate change				
Carbon footprint	Assessment:			
Air Pollution	End of HT2 Mocks are			
7 All 1 Glideloll	completed at least 2 on			
	topics covered to date			
Assessment:				
Tailored end of topic				
assessments made				
by dept.				
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