W.S ideas to be embedded: 1 Development of scientific	Sandbach School Science Curriculum:						Solo P
thinking 2 Experimental skills and strategies	Year 11 Science Curriculum Sequence						
3 Analysis and evaluation 4 Scientific vocabulary, quantities, units, symbols and nomenclature	Intent: To consolidate knowledge from Y10 : Students will continue to visit these 10 key topics of forces, electromagnetism, energy, waves, matter, reactions, ea whilst applying their understanding in a GCSE context. In addition students will further develop their knowledge of the scientific method within the contexts of practical's. <u>HT2</u> <u>Term 2</u> <u>Term 3</u>						h, organisms in GCSE required
Combined			Combined	Combined		Combined	
B14 Variation & evolution. Com B16-18 Ecology, B13 Reproduction		Comp	olete B14 Variation & evolution. Then preparation for paper 1 mock exam.	Revision for Rev 3 (Paper 2) content <u>Biology</u>		Revision & GCSE Exams 1:15 mins	
<u>Biology</u> Complete Ecology topic			Biology B14 Variation & evolution.	B14 Variation & evolution (continued)		BIOIOGY Final revision then Exam 2 x 1.45 minutes	
Combined C4 Chemical Calculations.		C6	<u>Combined</u> Electrolysis then preparation for paper 1 mock	<u>Combined</u> Complete C6 electrolysis. Revision for Rev 3 (Paper 2) content <u>Chemistry</u>		Combined Revision & GCSE Exams 2 x 1:15 mins	
<u>Chemistry</u>			exam. <u>Chemistry</u>			<u>Chemistry</u>	
C4 Chemical Calculations C6 El		C6 Ele	ectrolysis then preparation for paper 1 mock exam	C11 Polymers, C10 Organic reactions		Final revision then Exam 2 x 1.45 minutes	
<u>Combined</u>			<u>Combined</u>	<u>Combined</u>		<u>Combined</u>	
P13 EM Waves P1		P15	Electromagnetism then preparation for paper 1 Revision for Rev 3 (Pap		nt	Revision & GCSE Exams 2 x 1:15 mins	
Physics			Physics	<u>Physics</u>		<u>Physics</u>	
Triple content to be completed: eg P11 Forces & Pressure / P7 Nuclear issues Triple		Triple o	content to be completed P12 Seismic Waves, P14 Lenses	Triple content to be completed: eg P15 Generators / transformers, P16 Space topic		Final revision then Exam 2 x 1.45 minutes	
Why start here? These are the final units of the course. * More challenging topics are delivered here, these have been left until Y 1 due to the high level of mathematical skills required.		1 due	Why move onto these units? The last part of the HT will be preparation for paper 1 from mock exams.	Why move onto these units? These are the final units of the specification.	Why move N/a No new Revision wi	onto these units? content to be covered during term 3 of Y11. I be based on ERA from previous years & analysis of weaker areas of mock exams.	
Spec links: 4.7.1 Adaptations, interdependence and competition, 4.7.2 Organisation of an ecosystem, 4.7.3 Biodiversity and the effect of human interaction on ecosystems., 4.6.1 Reproduction 5.3.1 Chemical measurements, conservation of mass and the quantitative interpretation of chemical equations (foundation level only) 6.6.2 Electromagnetic waves, 6.6.2.1 Types of electromagnetic waves 4.4.1 Nuclear fusion , 4.4.4.2 Nuclear fission, 4.5.5.1 Pressure in fluids, 4.6.2.6 Visible light		.7.2 e Id the dation	 Spec links: 4.6.1 Reproduction, 4.6.2 Variation and evolution. 5.4.3 Electrolysis 6.7 Magnetism and electromagnetism, 6.7.1 Permanent and induced magnetism, magnetic forces and fields 4.6.2.5 Lenses, 4.7.3 Induced potential, transformers and national grid, 4.8 Space Physics , 	 Spec links: 4.6.3 The development of understanding of genetics and evolution 5.7.1 Carbon compounds as fuels and feedstock 5.10.1 Using the Earth's resources and obtaining potable water, 5.10.2 Life cycle assessment and recycling 4.6.1.4 Sound waves , 4.6.1.5 Waves for detection and exploration , 4.5.7.3 Changes in momentum 	Spec links::		, ,
Teaching these topics here supports: A level topics			Teaching these topics here supports: A level topics	Teaching these topics here supports: A level topics	Teaching these topics here supports:		
These topics feed from: 7D Ecosystems Y10 Work on Ecology unit			These topics feed from: 7B Reproduction 8B plant reproduction C3 Structure & bonding. P12 Wave properties.	These topics feed from: 9A Genetics & evolution 8E Combustion, C3 Structure & bonding.	These topics feed from:		