	Year 11	Pathway 2/3/4	Science - Autumn Term	
Learning Intention: OCR Science Entry Level - Physics OCR ELP9 Pushes and Pulls ELP10 Driving Along ELP4 Hot Stuff ELP12 Final Frontiers ELP5 Alternative Energy				
Key knowledge that should be learned during this SoW		All (Pathway 2)	Most (Pathway 3)	Some (Pathway 4)
Concept:				
Knowledge:				
Key Skills:				
Language and/or communication skills:				

Curricular Links

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Year 11 Pathway 2/3/4

Science - Spring Term

Learning Intention: OCR Science Entry Level - Biology

- ELB2 Babies
- ELB6 Casualty
- ELB9 Creepy Crawlies
- ELB10 Extinction
- ELB11 My Genes

Key knowledge that should be learned during this SoW	All (Pathway 2)	
Concept:		
Knowledge:		

Key Skills:		
Language and/or communication skills:		
Curricular Links		

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Year 11 Pathway 2/3/4

Science - Summer Term

Learning Intention: OCR Science Entry Level - Chemistry

- ELC2 Acids and Alkalis
- ELC1 Physical or Chemical Change
- ELC10 Are You Overreacting?
- ELC5 Novel Materials
- ELC3 Everything in its Place

Key knowledge that should be	All (Pathway 2)	
learned during this SoW	, ,	

Concept:		
Knowledge:		
Key Skills:		
Language and/or communication skills:		
Curricular Links		

	Year 11	Pathway 2/3/4	Science - Summer Term 2
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Learning Intention: OCR Science Entry Level - Chemistry

ELC2 Acids and Alkalis

Key knowledge that should be learned during this SoW	All (Pathway 2)	Most (Pathway 3)	Some (Pathway 4)	
Concept:	Students will have the opportunity to learn and investigate the properties of Acid and Alkalis and how to use simple indicators to identify them.			
heating apparatus, filter fun Know that the colour of som Understand safety precaution			d alkalis.	
	 Know that neutralisation occurs when acids and alkalis are mixed. Know that acids produce protons (H+) and alkalis produce hydroxide ions (OH-). Know that when you mix acids and alkalis together the protons (H+) and hydroxide ions (OH-) for called neutralisation (introduce the name ions to higher level learners, lower level learners may and 'OH'). Understand the uses of neutralisation, limited to curing indigestion and reducing the acidity of sometimes. Know that excess acid in the stomach is a cause of indigestion. Interpret simple information comparing the effectiveness of different indigestion remedies [no interpret simple information comparing the effectiveness of different indigestion remedies [no interpret simple information comparing the effectiveness of different indigestion remedies [no interpret simple information comparing the effectiveness of different indigestion remedies [no interpret simple information comparing the effectiveness of different indigestion remedies [no interpret simple information comparing the effectiveness of different indigestion remedies [no interpret simple information comparing the effectiveness of different indigestion remedies [no interpret simple information comparing the effectiveness of different indigestion remedies [no interpret simple information comparing the effectiveness of different indigestion remedies [no interpret simple information comparing the effectiveness of different indigestion remedies [no interpret simple information comparing the effectiveness of different indigestion remedies [no interpret simple information comparing the effectiveness of different indigestion remedies [no interpret simple information comparing the effectiveness of different indigestion remedies [no interpret simple information comparing the effectiveness of different indigestion remedies [no interpret simple information comparing the effectiveness of different indigestion remedies [no interpret simple information comparing the ef			

Language and/or communication skills:	 Acid Alkalis Dye Plant Solution Neutralisation pH Scales Protons Hydroxide ions Stomach Indigestion
Curricular Links	This specification provides opportunities for the development of the Key Skills of Communication, Application of Number, Information Technology, Working with Others, Improving Own Learning and Performance, Problem Solving, and Observation skills