



## Year 10 Combined Chemistry Set 1 Learning Programme 4

Learning Programme 4		
The LORIC skill focus for his LP is: INITIATIVE.		Literacy:
The Moral Virtues focus for this LP are: INTEGRITY and GRATITUDE.  Integrity - Having strong moral principles.  Gratitude - Feeling and expressing thanks		Capital letters must be used at the start
		of sentences and for the first letter of proper nouns  • Full stops must be used at the end of a
		Question marks must be used at the end of a question     Apostrophes should only be used for possession or omission
Where have I seen this learning before?		Days of the week and months must be
<del>-</del> '		spelled correctly  • Key words must be spelled correctly
What could I use it for?		
Redox reactions and energy changes at KS5.		
	Key Vocabulary	Homework
how to revise for and successfully complete my summative assessment; how to review my summative assessment and identify key gaps in knowledge.		
In LP4.2, I will know: 17/03/25 - (WK 1)	Key Vocabulary	Homework
how to explain how metals and acids react with each other and the names of the different products formed;	, , , , , , , , , , , , , , , , , , , ,	Sparx Homework Task
how to formulate ionic equations.		
	Neutralisation	
In LP4.3, I will know: 24/03/25 - (WK 2)	Key Vocabulary	Homework
how to construct half equations that show oxidation and reduction in different species;		
how acids and bases react with each other and the variety of products formed;		Constitution of Tark
how to write the reaction between acids and bases using ionic formula.	Base	Sparx Homework Task
Extended Task.		
	Key Vocabulary	Homework
how to conduct the practical - Preparation of a pure, dry sample of a soluble salt from an insoluble oxide or carbonate, using a Bunsen		
burner to heat dilute acid and a water bath or electric heater to evaporate the solution.	Calubla	Spany Hamawark Task
how to explain the difference between strong and weak acids.	Soluble	Sparx Homework Task
	Key Vocabulary	Homework
how to use the pH scale to describe the difference between strong and weak acids; how to explain the difference between strong and weak acids based on [H+] concentration;		
how to explain the difference between strong and weak acids based on [111] concentration,	Concentration	Sparx Homework Task
how electrolysis occurs in molten compounds and in solutions.		
20 (04 (05 (1)))		
In LP4.6, I will know: 28/04/25 - (WK 1) how electrolysis of aluminium oxide occurs;	Key Vocabulary	Homework
how to conduct the required practical - Investigate what happens when aqueous solutions are electrolysed using inert electrodes. This		
should be an investigation involving developing a hypothesis.	Electrodes	Sparx Homework Task
5 to del Tod		
Extended Task.	You Veeshulens	Hamayyark
In LP4.7, I will know: 05/05/25 - (WK 2)	Key Vocabulary	Homework
how to explain the difference between endothermic and exothermic reactions:		
how to explain the difference between endothermic and exothermic reactions; how to conduct the calorimetry required practical.		
	Exothermic	Sparx Homework Task



Resource booklet, Knowledge organiser, BBC GCSE Bitesize, Free GCSE Science videos on YOUTUBE. COGNITO Science

LP5 Year 10 Science: Create a revision resource on a topic of your choice.