

Year 10 Chemistry

PRT Task 1

PRT 1



Learning Programme 3		
The LORIC skill focus for his LP is: RESILIENCE		Literacy:
Respect - treat others how you would wish to be treated yourself.		Capital letters must be used at the s
Compassion - the quality of feeling pity and concern for the sufferings or misfortunes of others.		of sentences and for the first letter of
Ionesty - the quality of being truthful.		proper nouns
Vhat will I be learning about in this Learning Programme?		 Full stops must be used at the end o sentence
low to calculate the number of moles in reactions involving solid, gases and solutions. How to complete a titration and how to identify th	e products of acid	 Question marks must be used at the
eactions using ionic equations.		end of a guestion
		 Apostrophes should only be used for
Nhara have I soon this logening before?		possession or omission
Vhere have I seen this learning before? .cids at KS3		 Days of the week and months must
		spelled correctly
		 Key words must be spelled correctly
What could I use it for? Chemistry calculations are used across the course and on into KS5.		
inemistry calculations are used across the course and on into KSS.		
	Key Vocabulary	Homework
now to calculate the number of moles or mass of a substance from data supplied; how to calculate the number of moles of a substance		Retrieval Questions based on LP2
using molar ratio and balanced symbol equations; how to use balanced symbol equations to calculate reacting masses.	Mole	
	Wore	
n LP3.2, I will know: 13/01/25 - (WK 1)	Key Vocabulary	Homework
now to use balanced symbol equations to calculate reacting masses;		PPQ on balanced equations
now to use balanced symbol equations to calculate reacting masses when there is a limiting reactant.		
	Limiting Reactant	
	Key Vocabulary	Homework
now to calculate the percentage yield using a variety of units and conversions and evaluate different reactions to decide the best production method of a chemical; how to calculate the mass of a chemical when any volume and concentration is given and		Retrieval Questions based on moles
ndependently express your answer to an appropriate number of significant figures;	Percentage Yield	
nependentry express your answer to an appropriate number of significant rightes,	rereentage new	
n LP3.4, I will know: 27/01/25 - (WK 1)	Key Vocabulary	Homework
now precise results are obtained in a titration;		PPQ based on quantitative chemistry
now to calculate the unknown concentration of a reactant in a neutralisation reaction when the volumes are known and the		far
concentration of one reactant is also known.	Concordant Results	
Extended Task.	Kow Vocabulary	Homowork
n LP3.5, I will know: 03/02/25 - (WK 2)	Key Vocabulary	Homework Retrieval Questions based on
	Key Vocabulary	Retrieval Questions based on
n LP3.5, I will know: 03/02/25 - (WK 2)	Key Vocabulary Volume	
n LP3.5, I will know: 03/02/25 - (WK 2)		Retrieval Questions based on
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