The Ellesmere Port C of E College

PRT Task 1

PRT Task



Year 12 Chemistry Teacher 2		
Learning Programme 5		
The LORIC skill focus for his LP is: COMMUNICATION.		Literacy:
The Moral Virtues focus for this LP are: COURAGE and HUMILITY.		Capital letters must be used at the sta
Courage - Acting with bravery and overcoming fears.		of sentences and for the first letter of
Humility - Having a modest view of oneself.		 Full stops must be used at the end of
What will I be learning about in this Learning Programme?		sentence
now to calculate equilibrium constants and deduce the equilibrium position of a reaction		Question marks must be used at the
		 Apostrophes should only be used for
Where have I seen this learning before?		possession or omission
Rates of reaction in KS4 Chemistry,		Days of the week and months must b
		 spelled correctly Key words must be spelled correctly.
		ne, words must be spence correctly
What could I use it for?		
This is continued in Y13 with a more detailed look at the equilibrium constant. It is very important in chemical engineering to ensur	re reactions progress.	
In LDS 1. Lwill known 12/05/25 _ (WK 1)	Koy Vocabulary	Homowork
how to explain the term rate of reaction and deduce the order of reaction for each reactant;	Key vocabulary	PPQ on order of reaction.
use the rate equation to calculate the rate constant, k, and deduce the correct units;		
how to deduce the order of a reaction with respect to each reactant based on a concentration-time graph.	Concentration	
In LP5.2, I will know: 19/05/25 - (WK 2)	Key Vocabulary	Homework
how to describe the role of heterogeneous and homogeneous catalysts in a reaction;		Revision questions based on Boltzman
how the Boltzmann distribution curve and activation energy are linked.		distribution curve
	Catalysts	
LP5 RLW, I will: 02/06/25 - (WK 1)		
review my learning, recalling and applying key knowledge, and focus on closing any gaps in my knowledge.		
In LP5.3, I will know: 09/05/25 - (WK 2)	Key Vocabulary	Homework
how to explain the effect of temperature, concentration and pressure on the equilibrium position:		PPQ based on haber process
how to apply Le Chatelier's principle in the Haber process.	Dynamic Equilibrium	
Extended Task.	Key Vershulery	Uswawał
how to complete my end of year assessment;	Key vocabulary	Revision for assessment.
how to review my end of year assessment.		
In LP5.5, I will know: 23/06/25 - (WK 2)	Key Vocabulary	Homework
how to calculate Kc from equilibrium concentrations and estimate the position of equilibrium based on the position of Kc;		PPQ on equilibrium.
how to write the correct expressions for Kc.	Equilibrium Constant	
	Equilibrium constant	
In LP5.6, I will know: 30/06/25 - (WK 1)	Key Vocabulary	Homework
how to complete the PAG on qualitative assessment of ions.		PAG Write Up
	Qualitative	
Extended Task.		
In LP5.7, I will know: 07/06/25 - (WK 2)	Key Vocabulary	Homework
now to complete the FAG on rates of reaction (continuous measurement).		PAG write op
	Continuous	
	meddurement	
Resources to support learning:		
MaChem guy videos, knockhardy ppts, Revision resources on TEAMS		
FFET Award Challenge for this Learning Programme:		
Make a revision resource for my yr12 learning.		