

Year 10 Chemistry

Learning Programme 5

The LORIC skill focus for this LP is: COMMUNICATION.

The Moral Virtues focus for this LP are: COURAGE and HUMILITY.

Courage - Acting with bravery and overcoming fears.

Humility - Having a modest view of oneself.

What will I be learning about in this Learning Programme?

How energy is transferred in a chemical reaction, how different factors affect the rate of a reaction.

Where have I seen this learning before?

You will have studied chemical reactions at KS3.

What could I use it for?

Rates and equilibria at KS5.

Literacy:

- 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 sentence
- Question marks must be used at the end of a question
- Apostrophes should only be used for possession or omission
- Days of the week and months must be spelled correctly
- Key words must be spelled correctly

In LP5.1, I will know:	12/05/25 - (WK 1)	Key Vocabulary	Homework
how to calculate the rate of a reaction; how to calculate the rate of a reaction using tangents (H tier only).		Exothermic	Sparx Learning Homework Tasks
In LP5.2, I will know:	19/05/25 - (WK 2)	Key Vocabulary	Homework
how rates of a reaction are affected by; surface area, temperature, concentration; how to explain this by linking to collision theory; how to undertake the two concentration required practical's (volume of gas and turbidity).		Reaction	Sparx Learning Homework Tasks
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 rates of a reaction are affected by pressure and catalysts; how to explain this by linking to collision theory.		Equilibrium	Sparx Learning Homework Tasks
Extended Task.			
In LP5.4, I will know:	16/06/25 - (WK 1)	Key Vocabulary	Homework
how to complete my end of year assessment; how to review my end of year assessment.			Sparx Learning Homework Tasks
In LP5.5, I will know:	23/06/25 - (WK 2)	Key Vocabulary	Homework
how we can make changes to equilibrium position by; adding/removing reactants; how we can make changes to equilibrium position by; adding/removing products.		Product	Sparx Learning Homework Tasks
In LP5.6, I will know:	30/06/25 - (WK 1)	Key Vocabulary	Homework
how we can make changes to equilibrium position by; adding/removing reactants or products, changing the temperature and changing the pressure.		Reactant	Sparx Learning Homework Tasks
Extended Task.			
In LP5.7, I will know:	07/06/25 - (WK 2)	Key Vocabulary	Homework
how to make changes to rates of reaction by using a catalyst; how to draw reaction profiles with a catalysed reaction.		Catalyst	Sparx Learning Homework Tasks
Resources to support learning:			
Knowledge organiser, Topic Booklet, Oak Academy, Microsoft TEAMS and GCSE Bitesize			
FFET Award Challenge for this Learning Programme:			
LP5 - Create a revision resource of your choice			

PRT Task 1

PRT Task 2