



## Year 11 Chemistry **Learning Programme 4**

Learning Programme 4		
The LORIC skill focus for his LP is: INITIATIVE.		Literacy:  • Capital letters must be used at the st
The Moral Virtues focus for this LP are: INTEGRITY and GRATITUDE.		of sentences and for the first letter of
Integrity - Having strong moral principles.		proper nouns
Gratitude - Feeling and expressing thanks.		Full stops must be used at the end of
What will I be learning about in this Learning Programme?		sentence
How the earth's atmosphere has developed and how humans are impacting the atmosphere. How humans are suing the earth's resource	es and evaluate the	Question marks must be used at the
environmental impact of this usage.		end of a question
		Apostrophes should only be used fo
Where have I seen this learning before?		possession or omission  • Days of the week and months must
Chromatography at KS3, Alloys and materials at KS3 and bonding and structure in Yr10.		spelled correctly
cinomatography at KSS, Anoys and materials at KSS and bonding and structure in 1110.		Key words must be spelled correctly
What could I use it for?		
Testing for chemical substances is a required practical skill for A 'level chemistry and Applied Science at KS5.		
In LP4.1, I will know: 10/03/25 - (WK 2)	Key Vocabulary	Homework
how to successfully complete my mock exam and identify key gaps in knowledge and understanding;		Exam Questions based on LCA
the processes of Phyto mining and bioleaching.	Dialasahina	
	Bioleaching	
In LP4.2, I will know: 17/03/25 - (WK 1)	Key Vocabulary	Homework
how different corrosion prevention techniques work;		Exam questions based on corrosion a
how to evaluate an alloy in terms of its properties and uses;		alloys
how thermosetting plastics and thermosoftening plastics are different in terms of structure and bonding. Compare quantitatively the	Corrosion	
physical properties of glass and clay ceramics, polymers, composites, and metals.		
24/02/07 (14// 2)	W. Wasak Isa	
In LP4.3, I will know:  24/03/25 - (WK 2)  be able to explain the key aspects of the Haber Process and the importance of The Haber Process in fertiliser manufacture.	Key Vocabulary	Homework Exam question based on Haber Proce
be use to explain the key aspects of the habet inocess and the importance of the habet inocess in critarist minimaterale.		Exam question based on maker moce
	Haber Process	
	Haber Process	
Extended Task.	Haber Process	
Extended Task. In LP4.4, I will know: 31/03/25 - (WK 1)	Haber Process  Key Vocabulary	Homework
In LP4.4, I will know:  31/03/25 - (WK 1)  how to reduce, reuse and recycle to reduce our carbon footprint;		Exam question based on life cycle
In LP4.4, I will know: 31/03/25 - (WK 1)		
In LP4.4, I will know:  31/03/25 - (WK 1)  how to reduce, reuse and recycle to reduce our carbon footprint;	Key Vocabulary	Exam question based on life cycle
In LP4.4, I will know:  31/03/25 - (WK 1)  how to reduce, reuse and recycle to reduce our carbon footprint;	Key Vocabulary  Life Cycle	Exam question based on life cycle
In LP4.4, I will know:  how to reduce, reuse and recycle to reduce our carbon footprint; how to explain the life cycle assessment of a product.	Key Vocabulary  Life Cycle Assessment	Exam question based on life cycle assessment.
In LP4.4, I will know:  131/03/25 - (WK 1)  how to reduce, reuse and recycle to reduce our carbon footprint; how to explain the life cycle assessment of a product.  In LP4.5, I will know:  21/04/25 - (WK 2)	Key Vocabulary  Life Cycle	Exam question based on life cycle
In LP4.4, I will know:  131/03/25 - (WK 1)  how to reduce, reuse and recycle to reduce our carbon footprint; how to explain the life cycle assessment of a product.  In LP4.5, I will know:  21/04/25 - (WK 2)	Key Vocabulary  Life Cycle Assessment	Exam question based on life cycle assessment.
In LP4.4, I will know:  131/03/25 - (WK 1)  how to reduce, reuse and recycle to reduce our carbon footprint; how to explain the life cycle assessment of a product.  In LP4.5, I will know:  21/04/25 - (WK 2)	Key Vocabulary  Life Cycle Assessment	Exam question based on life cycle assessment.
In LP4.4, I will know:  131/03/25 - (WK 1)  how to reduce, reuse and recycle to reduce our carbon footprint;  how to explain the life cycle assessment of a product.  In LP4.5, I will know:  21/04/25 - (WK 2)	Key Vocabulary  Life Cycle Assessment	Exam question based on life cycle assessment.
In LP4.4, I will know:  how to reduce, reuse and recycle to reduce our carbon footprint; how to explain the life cycle assessment of a product.  In LP4.5, I will know:  21/04/25 - (WK 2) how to revise for paper 1 content.	Life Cycle Assessment  Key Vocabulary	Exam question based on life cycle assessment.  Homework
In LP4.4, I will know:  11/03/25 - (WK 1)  12/04/25 - (WK 2)  13/03/25 - (WK 1)  14/04/25 - (WK 2)  15/04/25 - (WK 2)  16/04/25 - (WK 2)  16/04/25 - (WK 2)  17/04/25 - (WK 2)	Key Vocabulary  Life Cycle Assessment	Exam question based on life cycle assessment.
In LP4.4, I will know:  11/03/25 - (WK 1)  12/04/25 - (WK 2)  13/03/25 - (WK 1)  14/04/25 - (WK 2)  15/04/25 - (WK 2)  16/04/25 - (WK 2)  16/04/25 - (WK 2)  17/04/25 - (WK 2)	Life Cycle Assessment  Key Vocabulary	Exam question based on life cycle assessment.  Homework
In LP4.4, I will know:  11/03/25 - (WK 1)  12/04/25 - (WK 2)  13/03/25 - (WK 1)  14/04/25 - (WK 2)  15/04/25 - (WK 2)  16/04/25 - (WK 2)  16/04/25 - (WK 2)  17/04/25 - (WK 2)	Life Cycle Assessment  Key Vocabulary	Exam question based on life cycle assessment.  Homework
In LP4.4, I will know:  11/03/25 - (WK 1)  12/04/25 - (WK 2)  13/03/25 - (WK 1)  15/04/25 - (WK 2)  16/04/25 - (WK 2)  17/04/25 - (WK 2)  18/04/25 - (WK 2)  18/04/25 - (WK 2)	Life Cycle Assessment  Key Vocabulary	Exam question based on life cycle assessment.  Homework
In LP4.4, I will know:  how to reduce, reuse and recycle to reduce our carbon footprint; how to explain the life cycle assessment of a product.  In LP4.5, I will know:  how to revise for paper 1 content.  In LP4.6, I will know:  28/04/25 - (WK 1) how to revise for paper 1 content.	Life Cycle Assessment  Key Vocabulary	Exam question based on life cycle assessment.  Homework
In LP4.4, I will know:  how to reduce, reuse and recycle to reduce our carbon footprint; how to explain the life cycle assessment of a product.  In LP4.5, I will know:  how to revise for paper 1 content.  In LP4.6, I will know:  28/04/25 - (WK 1) how to revise for paper 1 content.	Life Cycle Assessment  Key Vocabulary	Exam question based on life cycle assessment.  Homework
In LP4.4, I will know:  In LP4.5, I will know:  In LP4.6, I will know:  In LP4.6, I will know:  In LP4.6, I will know:  In LP4.7, I will know:  O5/05/25 - (WK 2)	Life Cycle Assessment  Key Vocabulary  Key Vocabulary	Exam question based on life cycle assessment.  Homework  Homework
In LP4.4, I will know:  In LP4.5, I will know:  In LP4.6, I will know:  In LP4.6, I will know:  In LP4.6, I will know:  In LP4.7, I will know:  O5/05/25 - (WK 2)	Life Cycle Assessment  Key Vocabulary  Key Vocabulary	Exam question based on life cycle assessment.  Homework  Homework
In LP4.4, I will know:  In LP4.6, I will know:  In LP4.6, I will know:  Extended Task.	Life Cycle Assessment  Key Vocabulary  Key Vocabulary	Exam question based on life cycle assessment.  Homework  Homework
In LP4.4, I will know:  In LP4.5, I will know:  In LP4.6, I will know:  In LP4.6, I will know:  In LP4.6, I will know:  In LP4.7, I will know:  In LP4	Life Cycle Assessment  Key Vocabulary  Key Vocabulary	Exam question based on life cycle assessment.  Homework  Homework
In LP4.4, I will know:  how to reduce, reuse and recycle to reduce our carbon footprint; how to explain the life cycle assessment of a product.  In LP4.5, I will know:  how to revise for paper 1 content.  In LP4.6, I will know:  how to revise for paper 1 content.  Extended Task.  In LP4.7, I will know:  O5/05/25 - (WK 2)  how to revise for paper 2 content.	Life Cycle Assessment  Key Vocabulary  Key Vocabulary	Exam question based on life cycle assessment.  Homework  Homework
In LP4.4, I will know:  how to reduce, reuse and recycle to reduce our carbon footprint; how to explain the life cycle assessment of a product.  In LP4.5, I will know:  In LP4.6, I will know:  In LP4.6, I will know:  Extended Task.  In LP4.7, I will know:  05/05/25 - (WK 2)	Life Cycle Assessment  Key Vocabulary  Key Vocabulary	Exam question based on life cycle assessment.  Homework  Homework
n LP4.4, I will know:  and LP4.5, I will know:  and LP4.6, I will know:  and LP4.7, I will know:	Life Cycle Assessment  Key Vocabulary  Key Vocabulary	Exam question based on life cycle assessment.  Homework  Homework



FFET Award Challenge for this Learning Programme: LP4 Year 11 Science: Complete a Practice paper independently.