

## Year 12 Chemistry T1

PRT Tas

PRT Task



The LORIC skill focus for his LP is: INITIATIVE. The Moral Virtues focus for this LP are: INTEGRITY and GRATITUDE.		Literacy: • Capital letters must be used at the sta of sentences and for the first letter of			
			ntegrity - Having strong moral principles.		proper nouns
Gratitude - Feeling and expressing thanks. What will I be learning about in this Learning Programme? How to produce new organic substances from substitution and addition reactions. The properties and reactions of alcohols and halogenoalkanes. How to synthesize a organic liquid. Where have I seen this learning before? Organic functional groups from LP3		<ul> <li>Full stops must be used at the end of sentence</li> <li>Question marks must be used at the end of a question</li> <li>Apostrophes should only be used for possession or omission</li> <li>Days of the week and months must b spelled correctly</li> <li>Key words must be spelled correctly</li> </ul>			
			<b>What could I use it for?</b> /r13 further study of organic reactions and functional groups		
			n LP4.1, I will know: 10/03/25 - (WK 2)	Key Vocabulary	Homework
now to describe the hydrolysis of haloalkanes in a substitution reactions; now to describe the mechanism of nucleophilic substitution in halogenoalkane reactions.	Substitution reaction	Halogen alkanes practice questions			
n LP4.2, I will know: 17/03/25 - (WK 1)	Key Vocabulary	Homework			
ow to explain the production of halogen radicals by the action of ultraviolet (UV) radiation on CFCs in the upper atmosphere and the esulting catalysed breakdown of the Earth's protective ozone layer; the techniques and procedures for use of Quickfit apparatus ncluding for distillation and heating under reflux.	Radical	Organic techniques practice questions			
n LP4.3, I will know: 24/03/25 - (WK 2)	Key Vocabulary	Homework			
ow to describe the preparation and purification of an organic liquid PAG; ow to describe an organic molecule containing several functional groups and make a prediction for it's properties and reactions.	Organic synthesis	Organic liquid PAG write up			
n LP4.4, I will know: 31/03/25 - (WK 1)	Key Vocabulary	Homework			
ow to describe an organic molecule containing several functional groups two-stage synthetic routes for preparing organic compounds.	Synthetic routes	Organic synthesis practice questions			
n LP4.5, I will know: 21/04/25 - (WK 2)	Key Vocabulary	Homework			
ow to describe an organic molecule containing several functional groups two-stage synthetic routes for preparing organic compounds.	Synthetic routes	Organic synthesis practice questions			
n LP4.6, I will know: 28/04/25 - (WK 1)	Key Vocabulary	Homework			
now to use a mass spectrum of an organic compound to identify the molecular ion peak and hence to determine molecular mass; now to interpret and predict an infrared spectrum of familiar or unfamiliar substances using supplied data.	Mass spectrum	Mass Spectrum practice questions			
xtended Task. n LP4.7, I will know: 05/05/25 - (WK 2)	Key Marsh 1	University			
in track, r with know. 03/03/23 - (WK 2) sow to interpret and predict an infrared spectrum of familiar or unfamiliar substances using supplied data.	Key Vocabulary	Homework			
lesources to support learning:					
extbook, Physics and maths tutor.com, Machem guy- YouTube					
FET Award Challenge for this Learning Programme:					
P4 Year 12 Chemistry: Complete three independent learning tasks and evaluate how they have helped you					