



QPHS Year 11 Chemistry Curriculum Map

Half term	Title	Unit summary	Assessment
1	C6 Rates	<ul style="list-style-type: none"> Rate of reaction Catalysts Reversible reactions and equilibrium 	<ul style="list-style-type: none"> Required practical – investigate how changes in concentration affect the rates of reactions. Mid-point topic test with cumulative content from year 10 chemistry. End of topic test with cumulative content from year 10 chemistry.
2	C7 Organic Chemistry	<ul style="list-style-type: none"> Crude oil, hydrocarbons, alkanes and fractional distillation Cracking, reactions of alkenes, alcohols and carboxylic acids Synthetic and naturally occurring polymers 	<ul style="list-style-type: none"> End of topic test with cumulative content from year 10 chemistry.
3	C8 Chemical Analysis	<ul style="list-style-type: none"> Purity and formulations Chromatography and gas tests Identification of ions by chemical and spectroscopic means 	<ul style="list-style-type: none"> Required practical – investigate how chromatography can be used to separate coloured substances. Required practical – use of chemical tests to identify ions End of topic test with cumulative content from year 10 chemistry.
4	C9 Chemistry of the Atmosphere	<ul style="list-style-type: none"> The development of the atmosphere Greenhouse gases and global climate change Atmospheric pollutants and their effects 	<ul style="list-style-type: none"> Required practical – Analysis and purification of water samples. End of topic test with cumulative content from year 10 and 11 chemistry.
	C10 Using Resources	<ul style="list-style-type: none"> Using the Earth's resources and how to reduce the use of these Potable water and waste water treatment Life cycle assessment, recycling and using materials. 	
5	Revision		