



QPHS Year 10 Chemistry Curriculum Map

Half term	Title	Unit summary	Assessment
1	C2 Structure and Bonding	<ul style="list-style-type: none"> • Chemical bonds; ionic covalent and metallic • Bonding and structure of substances including; ionic compounds, small molecules, polymers, giant covalent structures, metals, alloys and nanoparticles • Structure and bonding of carbon; diamond, graphite, graphene and fullerenes. 	<ul style="list-style-type: none"> • Mid-point test with cumulative content from year 9 chemistry 2. • End of topic test with cumulative content from year 9 chemistry 1 and 2.
2			
3	C3 Quantitative Chemistry	<ul style="list-style-type: none"> • Conservation of mass and relative formula mass • Moles and amount of substance (HT) and concentration of solutions • Yield and atom economy of chemical reactions. 	<ul style="list-style-type: none"> • End of topic test with cumulative content from year 10 chemistry.
4	C4 Chemical reactions	<ul style="list-style-type: none"> • Reactivity of metals. • Reactions of acids and titrations. • Electrolysis. 	<ul style="list-style-type: none"> • Required practical – preparation of a pure, dry sample of a soluble salt. • Required practical – investigate what happens when aqueous solutions are electrolysed. • Required practical – determination of the reacting volumes of solutions of a strong acid and a strong alkali by titration. • End of topic test with cumulative knowledge from year 9 chemistry 1.
5			
6			
Revision			