

Year 12 Chemistry

Course title: A-Level Chemistry	Exam board: AQA	Specification code: 7404
How will students be assessed?		
Students will sit three two hour external exams at the end of Year 13. During the course, along with other practical work, students will carry out 12 assessed practicals which will lead to the students being awarded their practical skills endorsement.		
<p>Chemistry Paper 1: (105 marks)</p> <p>Students will complete short and long answer questions on the topic areas in physical chemistry and inorganic chemistry. Questions will be knowledge based; as well as drawing on the practical work that students have completed throughout the course.</p> <p>Chemistry Paper 2: (105 marks)</p> <p>Students will complete short and long answer questions on the topic areas in physical chemistry and organic chemistry. Questions will be knowledge based; as well as drawing on the practical work that students have completed throughout the course.</p> <p>Chemistry Paper 3: (90 marks)</p> <p>Students will complete 40 marks of questions on practical techniques and data analysis as well as 20 marks of short and long answer questions and 30 marks of multiple choice questions testing all topic areas across the specification.</p>		

Half term	Key content	
	Teacher 1 IRO (4 LESSONS)	Teacher 2 SN (5 LESSONS)
1	Amount of Substance	Atomic Structure Energetics ASSESSED PRACTICAL 2
2	ASSESSED PRACTICAL 1 Introduction to Organic Chemistry	Bonding Periodicity Redox Reactions
3	Structural nomenclature and isomerism Alkanes	Group II and Group VII ASSESSED PRACTICAL 4
4	Halogenoalkanes Alkenes (including E-Z Isomerism)	Kinetics ASSESSED PRACTICAL 3
5	Alcohols ASSESSED PRACTICAL 5	The Rate Equation ASSESSED PRACTICALS 7a and 7b

6	Organic analysis Aldehydes and Ketones Carboxylic Acids and derivatives Condensation Polymers ASSESSED PRACTICAL 6a ASSESSED PRACTICAL 6b	Equilibria Kc Practical - Determination of an Equilibrium constant
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At the end of each topic students will carry out an assessment in class which will consist of past exam questions.