

## Year 13 Chemistry 2023-2024

<b>Course title: A-Level Chemistry</b>	<b>Exam board: AQA</b>	<b>Specification code: 7405</b>
<b>How will students be assessed?</b>		
<p>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> <p><b>Chemistry Paper 1:</b> (105 marks) 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><b>Chemistry Paper 2:</b> (105 marks) 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><b>Chemistry Paper 3:</b> (90 marks) 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 JPH (4 Lessons)	Teacher 2 SN (5 Lessons)
<b>1</b>	Aldehydes and Ketones Carboxylic Acids and derivatives Aromatic Chemistry ASSESSED PRACTICAL 10a	Equilibria  Practical - Determination of an Equilibrium constant
<b>2</b>	Amines Polymers Amino Acids, Proteins and DNA Organic Synthesis	Acids and Bases  ASSESSED PRACTICAL 9
	ASSESSED PRACTICAL 10b	Properties of Period 3 and their Oxides
<b>3</b>	Transition Metals	Electrode Potentials and Electrochemical Cells  ASSESSED PRACTICAL 8
<b>4</b>	Reactions of Ions in Aqueous Solution ASSESSED PRACTICAL 11	Thermodynamics
<b>5</b>	REVISION	REVISION

At the end of each topic students will carry out an assessment in class.