

**INTENT-**

- To develop knowledge and understanding of key scientific principles within Chemistry.
- Students to apply this knowledge and explain key ideas within Chemistry, applying them to a range of typical and frequent assessment points.
- Students will be able to analyse scientific data and will be able to evaluate scientific discoveries in order to approach enquiry questions based on the topics studied.

**The bigger picture:**

The year 12 curriculum revisits many ideas from GCSE, grouping them in a similar fashion to how they are typically presented in exams (also reflected in the assessments) – this also includes application of knowledge from the 6 required practicals that they carry out.

**Bilton School Planning for Progress over Time Programme of Study 2023/24**

**IMPLEMENTATION**

	Term 1							Term 2							Term 3							Term 4							Term 5							Term 6								
<b>KS4</b>	04/09/2023	11/09/2023	18/09/2023	25/09/2023	02/10/2023	09/10/2023	16/10/2023	23/10/2023	<b>HOLIDAY: 1 WEEK</b>	06/11/2023	13/11/2023	20/11/2023	27/11/2023	04/12/2023	11/12/2023	18/12/2023	<b>HOLIDAY: 2 WEEKS</b>	08/01/2024	15/01/2024	22/01/2024	29/01/2024	05/02/2024	<b>HOLIDAY: 1 WEEK</b>	19/02/2024	26/02/2024	04/03/2024	11/03/2024	18/03/2024	<b>HOLIDAY: 2 WEEKS</b>	08/04/2024	15/04/2024	22/04/2024	29/04/2024	06/05/2024	13/05/2024	20/05/2024	<b>HOLIDAY: 1 WEEK</b>	03/06/2024	10/06/2024	17/06/2024	24/06/2024	01/07/2024	08/07/2024	15/07/2024
<b>Year 12 Chem</b>	(TTD x2) Head Start Revision Head Start Revision & Assessment Atomic structure L1, L2, Amount of Substance L1, L2 Atomic structure L3, L4, Amount of Substance L3, L4 Atomic Structure ETT, Amount of Substance ROP Bonding L1, L2, Amount of substance ETT Bonding L3, L4, Periodicity L1, L2, Group 2/7 L1, L2 Bonding L5, L6, Periodicity L3, L4, Group 2/7 L3, 4							Bonding L7, L8,, Intro to Organic chem L1, L2 Bonding L9, ETT, Intro to Organic chem L3, L4 Energetics L1, L2, Periodicity & Group 2/7 ETT Intro to Organic chem ETT Energetics L3, L4, Group 2/7 ROP Energetics ETT, Energetics ROP Chemical Equilibria and Redox L1, L2, Intro to Organic chem L1, L2 Chemical Equilibria and Redox L3, L4, Intro to Organic chem L3, L4, Alkanes L1							Chemical Equilibria and Redox L5, ETT, Alkenes L1, L2 Alkanes L2 Kinetics L1, L2, ROP Alkenes L3, L4, Halogenoalkanes L1, L2 Kinetics L3, L4, Halogenoalkanes L1, L2 Organic Chem ETT Kinetics ETT, Organic Analysis L1, Alcohols L1, L2 Organic Analysis L2, L3 L4, ROPS							PPEs PPEs PPE feedback ROP catch-up Rate Equations and Kp L1, L2, Isomerism and Carbonyl Compounds L1, L2							Rate Equations and Kp L3, L4, Isomerism and Carbonyl Compounds L3, L4 Rate Equations and Kp L5, L6, Isomerism and Carbonyl Compounds L7 Isomerism and Carbonyl Compounds ETT, ROP AS Revision Paper 1 AS Revision Paper 1 AS Revision Paper 1							AS Revision Paper 2 AS Revision Paper 2 AS Revision Paper 2								
<b>Progress and assessment</b>	End of topic test (ETT) Follow on questions to test previous knowledge through the Unit.							End of topic test (ETT) Follow on questions to test previous knowledge through the Unit.							End of topic test (ETT) Follow on questions to test previous knowledge through the Unit.							End of topic test (ETT) Follow on questions to test previous knowledge through the Unit.							End of topic test (ETT) Follow on questions to test previous knowledge through the Unit.							End of Year Assessment AS Paper 1 and Paper 2 Follow on questions to test previous knowledge through the Unit.								
<b>Required Practical (RP)</b>	1a – Making a Standard Solution 1b – Performing Titrations							2 – Measuring Enthalpy Changes 4 – Testing for Ions							3 – Measuring the Rate of a Reaction 5 – Purifying the Product of a Reaction 6 – Testing for Functional Groups																													
<b>Homework</b> <i>(ensure that this is NOT stand alone, but clearly advances or embeds knowledge and understanding)</i>	UpLearn							UpLearn							UpLearn							UpLearn							UpLearn															
	<b>IMPACT:</b> Students will be able to measure progress using tracking sheets in exercise books. As all assessments will use generic criteria, will be moderated through dept meetings it will be possible to measure progress over time within and across year groups.																																											