

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 13 curriculum revisits many ideas from year 12, 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 12 required practical's that they carry out. The 12 required practical's will lead to them gaining a practical endorsement at the end of this year.

**Bilton School Planning for Progress over Time
Programme of Study 2024/25**
IMPLEMENTATION

	Term 1								Term 2								Term 3								Term 4								Term 5								Term 6							
KS5	02/09/2024	09/09/2024	16/09/2024	23/09/2024	30/09/2024	07/10/2024	14/10/2024	21/10/2024	HOLIDAY: 1 WEEK	04/11/2024	11/11/2024	18/11/2024	25/11/2024	02/12/2024	09/12/2024	16/12/2024	HOLIDAY: 2 WEEKS	03/01/2025	06/01/2025	13/01/2025	20/01/2025	27/01/2025	03/02/2025	10/02/2025	HOLIDAY: 1 WEEK	24/02/2025	03/03/2025	10/03/2025	17/03/2025	24/03/2025	31/03/2025	07/04/2025	HOLIDAY: 2 WEEKS	28/04/2025	05/05/2025	12/05/2025	19/05/2025	HOLIDAY: 1 WEEK	02/06/2025	09/06/2025	16/06/2025	23/06/2025	30/06/2025	07/07/2025	14/07/2025			
Year 13	(TTD x2) Aromatic Compounds and Amines L1, L2 Acid, Bases and pH L1, L2, Aromatic Compounds and Amines L3, L4 Acid, Bases and pH L3, L4, Aromatic Compounds and Amines ETT Acids, Bases and pH RQP Transition Metals L1 Thermodynamics L1, L2, Transition Metals L2, L3 Thermodynamics L3, L4, Transition Metals L4, L5 Thermodynamics L5, ETT, Transition Metals L6, L7 Electrode Potentials L1, L2, Transition Metals RQP, ETT								Electrode Potentials L3, ETT, Electrode potentials RQP Period 3 Elements L1, L2, PPE Revision PPE1 PPE1 PPE 1 Reteach / Review Polymers L1, L2, Further synthesis and Analysis L1, L2 Polymers L3, Amino acids, proteins, and DNA L1, L2, Further synthesis and Analysis L3, L4								Amino acids, proteins, and DNA L3, ETT, Further synthesis and Analysis L5, L6 Further synthesis and Analysis L7, ETT Chromatography RQP Organic Prep 10b RQP Paper 1 Revision, Paper 2 Revision Paper 1 Revision, Paper 2 Revision Paper 1 Revision, Paper 2 Revision								PPE2 PPE2 Required Practical Revision / Catch-up Required Practical Revision / Catch-up Paper 1 Revision, Paper 2 Revision Paper 1 Revision, Paper 2 Revision Paper 1 Revision, Paper 2 Revision								Paper 3 Revision, Paper 2 Revision Paper 1 Revision, Paper 3 Revision Paper 3 Revision, Paper 2 Revision Paper 1 Revision, Paper 3 Revision															
Progress and assessment	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.																															
Required Practical (RP)	RP 9: Investigate how pH changes when a weak acid reacts with a strong base and when a strong acid reacts with a weak base. RP 11: Carry out test tube reactions to identify transition metal ions in aqueous solution.								RP 8: Measuring the EMF of an electrochemical cell.								RP 12: Chromatography RP 10b: Organic Preparation								RP Catch up																							
Homework <small>(ensure that this is NOT stand alone, but clearly advances or embeds knowledge and understanding)</small>	UpLearn								UpLearn								UpLearn								UpLearn																							
Key Vocabulary/literacy opportunities																																																
National Curriculum Links																																																
Connected knowledge																																																