

Year 10 Spring Term 2

19/02/2024	26/02/2024	04/03/2024	11/03/2024	18/03/2024
week 21	week 22	week 23	week 24	week 25
PAZ	C9-12: Calculations, Electrolysis, Extracting Metals, Equilibria			
1. Assessment of knowledge 2. Review of assessment	C9 Quantitative Chemistry LIs 1-3 were carried out in the last half term but are included here to show the progression of the topic. 1. How do I calculate relative formula mass? 2. How do we balance equations? 3. How do I calculate empirical formula? 4. How do I calculate the concentration of a solution? 5. How is mass conserved in a chemical reaction? 6. How do we calculate the amount of a substance – moles (H)? 7. Review and practice of calculations (2 lessons)	C10 Electrolysis 1. What is the key vocabulary for electrolysis? 2. What happens during electrolysis? 3. Core practical: Electrolysis of copper sulfate. (2-3 lessons) 4. What are the products of electrolysis?	C11 Extracting Metals 1. How can we tell how reactive metals are? 2. How do we extract less reactive metals from their ores? 3. What is oxidation and reduction in terms of electrons? 4. What is a life cycle assessment and how do we use them in manufacturing? 5. Why is recycling used and how can it be better than extraction of metals from ores?	