

Curriculum Journey Year 10

Term 1

Yellow highlights – Triple Science ONLY.

WB	Content
26th August	RECAP: C6 – Electrolysis Introduction to electrolysis Changes at the electrodes Molten and Brine
2nd September	Extraction of aluminium Practice Questions
9th September	C7 – Energy Changes Exothermic and Endothermic Energy transfer Reaction Profiles
16th September	Bond Energy Calculations Chemical cells and Battery
23rd September	Fuel Cells
30th September	C8 – Rates and Equilibrium Rates of reaction Collision theory
7th October	Factors affecting rates of reaction Practical
14th October	
21st October	Rates practical – concentration/ pressure Effect of catalyst
28th October	Reversible reactions Dynamic equilibrium
4th November	Equilibrium and altering conditions
11th November	C9- Organic Chemistry Fractional Distillation Burning hydrocarbons
18th November	C10 -Organic Reactions Cracking hydrocarbons Reactions of Alkenes

25th November	Structures of alcohols Reactions and uses of alcohols
2nd December	Carboxylic acids and esters Polymers Addition Polymerisation
9th December	Natural polymers DNA

Term 2

WB	Content
6th January	C12- Chemical Analysis Pure substances and mixtures Analysing chromatograms Tests for gases
13th January	Practical -Test for positive ions Test for negative ions Instrumental analysis
20th January	C13 – The Earths Atmosphere History of the Earths Atmosphere Evolving Atmosphere Greenhouse Gases
27th January	Global Climate change Atmospheric pollutants
3rd February	C14 – Earths Resources Finite and renewable resources Water safe to drink Treating water
10th February	Extracting metals from ores – independent task
17th February	Life cycle assessment Reduce, reuse and recycle
24th February	C15 – using our Resources Rusting Using Alloys Properties of polymers

3rd March (R)	Glass and Ceramics Haber Process
10th March (R)	Haber Process – economic process Making fertilisers in industry
17th March (R)	Review

Term 3

WB	Content
7th April	Revision Masterclass Chemical Calculations
14th April	Revision Masterclass - Structure and Bonding
21st April	Revision Masterclass – Electrolysis
28th April	Revision Masterclass – Chemical Changes
5th May	Revision Masterclass – Energy Changes
12th May	Revision Masterclass – Organic Chemistry
19th May	
26th May	
2nd June	
9th June	
16th June	
23rd June	