

Curriculum Map

C - is the topic number in chemistry
 L0 is the lesson number within this topic
 i.e. C1 L01 is the first lesson in the first chemistry topic.

Year 10 Chemistry

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Date	Week	Lesson 1	Lesson 2
01-Sep	1	Setting the standards-Book pride	C1L01 Atomic Structure and the Periodic Table -Recap Elements, Compounds and Mixtures
08-Sep	2	C1L02 Separation Techniques	C1L03 Balancing Equations and State symbols
15-Sep	3	C1L10 Group 1 (demo)	C1L11 Group 1 Properties
22-Sep	4	C1L12 Group 7	C1L13 Transition Metals
29-Sep	5	Feedback Task Group 1+7 Trends	Summary of C1
06-Oct	6	PLC Check point and Feedback redo	Buffer lesson for catch up
13-Oct	7	C2 Structure and Bonding C2L01 Atoms into ions	C2L02 Ionic bonding
20-Oct	8	C2L03 Atomic size and Reactivity	C2L04 Ionic Structures
03-Nov	9	Yr 10 Assessment Week	Yr 10 Assessment Week
10-Nov	10	C2L05 Covalent bonding	C2L06 Simple covalent molecules
17-Nov	11	C2L07 Giant Covalent Structures	C2L08 Polymers
24-Nov	12	C2L9 Fullerenes and graphene	C2L10 Metals and Alloys
01-Dec	13	C2L11a Finding structure types	C2L11b Finding out structure types practical



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08-Dec	14	C2L12 Nanoparticles (surface area to volume calculations)	PLC Check point and Feedback Task Structure and Bonding
15-Dec	15	Buffer lesson for catch up	Buffer lesson for catch up
Date	Week		
05-Jan	16	C3a Quantitative Chemistry Relative formula mass	C3L02 % by mass and Conservation By Mass
12-Jan	17	C3L03 Atom economy	C3L04 Concentration (g/dm ³)
19-Jan	18	C4 Chemical changes Reactivity Series	C4L02 Displacement Reactions and Ionic Equations
26-Jan	19	C4L03 OILRIG	C4L04 Extraction of metals
02-Feb	20	C4L05 Phytomining and bioleaching	C4L06 Reactions of acids
09-Feb	21	C4L07 Neutralisation of acids	C4L08 Strong and weak acids
HALF TERM			
23-Feb	22	Assessment	
02-Mar	23	C4L09 Making a soluble salt (Required Practical)	C4L10 Required Practical method writing (exam practise)
09-Mar	24	C4L11 Electrolysis of molten compounds	C4L11 Electrolysis of molten compounds
16-Mar	25	Assessment Feedback	C4L12 Electrolysis of aqueous solutions
23-Mar	26	C4L13 Reactions at electrodes	C4L1 Electrolysis Required Practical
END OF TERM			
13-Apr	27	C4L15 Extraction of aluminium	Summary of C4 Exam practice
20-Apr	28	C5L01- Endo and exothermic reactions	C5L02- Energy level diagrams
27-Apr	29	C5L03- Required Practical-planning	C5L04- Required Practical
04-May	30	C5L05- Required Practical- Analysis and Evaluation	C5L06- Bond energies
11-May	31	C5L07-Neutralisation RP	C5L08- Analysis and Evaluation
18-May	32	C5L09-Fuel Cells and Batteries	Summary of C5
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01-Jun	33	C7 - Organic Chemistry 1 Alkanes	C7L01	C7L02 Alkane properties
08-Jun	34	C7L03 Crude oil and Fractional Distillation		PLC Check point and Feedback Task
15-Jun	35	C7L04 Cracking and Alkenes		C7L05 Combustion
22-Jun	36	Summary of Organic		PLC Check point and Feedback redo
29-Jun	37	Assessment Week		
06-Jul	38	C9 Chemistry of the Atmosphere History of the Atmosphere	C9L01	C9L02 Greenhouse effect
13-Jul	39	C9L03 Climate change and carbon footprint		C9L04 Atmospheric pollutants
20-Jul	40	Buffer lesson for catch up		Buffer lesson for catch up