

Long Term Plan: Y10 Chemistry 2023

Date	w.c 04.09.23	w.c 11.09.23	w.c 18.09.23	w.c 25.09.23	w.c 02.10.23	w.c 09.10.23	w.c 30.10.23	w.c 06.11.23	w.c 13.11.23	w.c 20.11.23	w.c 27.11.23	w.c 04.12.23	w.c 11.12.23	w.c 18.12.23
Topic	C10	C10	C1	C1	C1	C1	C1	C1	C2	C2	C2	DCP1	C2	C2
Bespoke Recall														
Lessons	Chemistry only: Using materials	Chemistry Only: Haber process	Unit 5.1 atoms, elements, compounds and mixture	Unit 5.1 Separating mixtures	Unit 5.1 development of the atom Atomic structure	Unit 5.1 sub atomic particles relative atomic mass	Unit 5.1 electronic structure periodic table metals and non metals	Unit 5.1 Group 0, group 1 Unit 5.1 group 7 transition metals	Unit 5.2 Bonding ionic bonding and compounds	Unit 5.2 covalent and metallic bonding	Unit 5.2 states of matter state symbols	DCP1 PPE	Unit 5.2 Properties of small molecules polymers alloys giant covalent	Unit 5.2 structure and bonding of carbon nanoparticles
FB		Water Purification			Recycling			Earth's Atmosphere			Atomic Structure			Graphs and Patterns
Maths skills		ESTAU & equation sheet	Drawing graphs	ESTAU GPE	Percentages	ESTAU KE	SI Units	ESTAU	Converting units smaller	ESTAU	Converting units bigger	No skill	ESTAU ohm's law	Calculating a mean
HW	C3/C4 GCSE	C3/C4 GCSE	C3/C4 GCSE	C3/C4 GCSE	C3/C4 GCSE	C3/C4 GCSE	B7 GCSE	B7 GCSE	B7 GCSE	B7 GCSE	B7 GCSE	B7 GCSE	P4 GCSE	P4 GCSE
Date	w.c 01.01.24	w.c 08.01.24	w.c 15.01.24	w.c 23.01.24	w.c 29.01.24	w.c 05.02.24	w.c 19.02.24	w.c 26.02.24	w.c 04.03.24	w.c 11.03.24	w.c 18.03.24	w.c 25.03.24		
Topic	C3	C3	C3	C3	C3	C3	C3	C3	C1-C3	DCP2	C4	C4		
Bespoke Recall														
Lessons	Unit 5.3 chemical formulae balancing eqs	Unit 5.3 conservation of mass mass change with a gas forming	Unit 5.3 relative formula mass uncertainty	Unit 5.3 moles balancing with moles	Unit 5.3 limiting reactants	Unit 5.3 concentration	Unit 5.3 percentage yields	Unit 5.3 atom economy conc mol/dm ³ substances related to vol of gas.	Revision	DCP2	Unit 5.4 metal oxides reactivity series	Unit 5.4 extraction		

FB			Periodic Table			Variables			Balancing Equations			Bonding				
Maths skill	ESTAU and the equation sheet	Graph interpretation	ESTAU rearranging	Boiling and melting point lines	ESTAU GPE	Scale drawings	ESTAU microscope	Using a protractor	Probability		Calculating an area	Errors and uncertainties				
HW	C5 GCSE	C5 GCSE	C5 GCSE	C5 GCSE	C5 GCSE	C5 GCSE	B4 GCSE	B4 GCSE	B4 GCSE	B4 GCSE	B4 GCSE	P5 GCSE				
Date	w.c 15.04.24	w.c 22.04.24	w.c 29.04.24	w.c 06.05.24	w.c 13.05.24	w.c 20.05.24	w.c 03.06.24	w.c 10.06.24	w.c 17.06.24	w.c 24.06.24	w.c. 01.07.24	w.c 08.07.24	w.c 15.07.24	w.c 22.07.24		
Topic	C4	C4	C4	C4	C4	C4	Revision	Revision	DCP3	DCP3	C5	C5	C5	C5		
Bespoke Recall																
Lessons	Unit 5.4 reduction REDOX in terms of electrons	Unit 5.4 req prac: soluble salts pH scale	Unit 5.4 Titrations	Unit 5.4 strong and weak acids	Unit 5.4 electrolysis	Unit 5.4 electrolysis half equations	Revision Paper 1 and B7	Revision Paper 1 and B7	Y10 PPE DCP3	Y10 PPE DCP3	Unit 5.5 Exo and endothermic	Unit 5.5 Reaction profiles energy changes	Unit 5.5 Chemical cells and fuel cells	Unit 5.5 Assessment and WCF		
FB			LCAs			Haber Process			Revision			Revision				
Maths skills	Unit conversions smaller	Unit conversions bigger	combining unit conversion	ESTAU density	Graph interpretation	Directly proportional	ESTAU and the equation sheet	Standard form	No skill	No skill	Balancing equations	Mean-sampling	Mode-sampling	Median-sampling		
HW	B3 GCSE	B3 GCSE	B3 GCSE	B3 GCSE	B3 GCSE	B3 GCSE	P3 GCSE	P3 GCSE	P3 GCSE	P3 GCSE	P3 GCSE	P3 GCSE	P3 GCSE	P3 GCSE		

See assessment Calendar for details of end of unit and Summative DCP Assessments

Details of the academic texts can be found in the centralised planning.

FB is our Flashback lessons. These form part (or all) of the last lesson of the week.

Bespoke Flashback and bespoke recalls are decided from end of unit assessments and DCP data. Other recall topics are built into lessons on the centralised planning.

See Skills code sheet to understand the skill letters.

SMSC/personal development opportunities see medium plan for more details

Maths skills form 15-20 minutes of one lesson each week to build up competency as 40% of the Physics paper is maths based.

HT5 plan in KS4 revision folder.