Long Term Plan: Year 10 Combined Science

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	B2	B2	B2	B2	C1	C1	C1	C1	C1	P2	P2	DCP1	P2	P2
Bespoke Recall	cell organisation	atmospheric pollution	root hair cells and specialised cells	interpreting data from a table	combustion	interpreting data from a graph	microscope parts	energy stores	cells	diffusion	active transport	evolution of atmosphere	observations	variables
Lessons	Unit 4.2 Digestive system Enzymes **Req Prac: Enzymes**	Unit 4.2 **Req Prac: Food Tests** Heart	Unit 4.2 Circulatory System Blood Health issues end of unit EoU	Unit 4.2 Cancer NCDs Plant organ systems	Unit 5.1 Atomic Structure	Unit 5.1 Groups properties	Unit 5.1 Electron Structure Metals	Unit 5.1 Periodic table	Unit 5.1 end of unit EoU	Unit 6.2 Electricity symbols Ohm's law series and parallel	Unit 6.2 **Req Prac: Resistance of a wire**	DCP1 PPE	Unit 6.2 **Req Prac: IV characteristics** LDR and Thermistor	Unit 6.2 Plugs ACDC Nat Grid end of unit EoU
FB		osmosis	plant tissues	water purification	microscopes and magnification calcs	Specific heat capacity	Evaluating data	Enzymes	rearranging using ESTAU	Recycling	power calculation	climate change	Energy stores and transfers	Evaluate 6 markers
Maths skill		ESTAU Rearranging	Drawing graphs	ESTAU GPE	Percentages	ESTAU KE	SI Units	ESTAU Rearranging	Converting units smaller	ESTAU	Converting units bigger	No skill	ESTAU ohm's law	Calculating a mean
HW		C10 GCSE	C10 GCSE	C10 GCSE	C10 GCSE	C10 GCSE	P1 GCSE	P1 GCSE	P1 GCSE	P1 GCSE	P1 GCSE	P1 GCSE	B2 GCSE	B2 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	B3	B3	B3	C2	C2	C2	P3	P3	P3/C3	DCP2	C3	C3		
Recall														
Lessons	Unit 4.3 Communicable diseases	Unit 4.3 Human defence system Vaccinations	Unit 4.3 Painkillers drug development end of unit EoU	Unit 5.2 Bonding Ionic Covalent	Unit 5.2 Giant ionic and Covalent Metallic	Unit 5.2 Polymers Diamond Graphite small molecules end of unit EoU	Unit 6.3 **Req Prac: Density** Particle model	Unit 6.3 Energy SHC, Latent heat end of unit EoU	Unit 5.3 Quantitative Conservation of mass	DCP2 PPE	Unit 5.3 Moles	Unit 5.3 gases balanced equations end of unit EoU		

FB		Earth's atmos		Circuits electricity		food tests		Atomic structure		resistance of a wire		Revision		
Maths skill	ESTAU and the equation sheet	Graph interpretation	ESTAU rearranging	Boiling and melting point lines	ESTAU GPE	Scale drawings	ESTAU micrscop	Using a protractor	Probability		Calculating an area	Errors and uncertainties		
HW	C1 GCSE	C1 GCSE	C1 GCSE	C1 GCSE	C1 GCSE	C1 GCSE	P2 GCSE	P2 GCSE	P2 GCSE	P2 GCSE	P2 GCSE	B3 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	P4	P4	C4	C4	C4	B7	B7	Revision	DCP3	DCP3	B7	B7	P7	P7
Recall														
Lessons	Unit 6.4 Atomic Structure Alpha, beta and gamma- risks vs benefits	Unit 6.4 Half life decay equations end of unit EoU	Unit 5.4 Chemical Changes Reactivity Series Redox Extracting metals- environment	Unit 5.4 Acids and metals **Req Prac: Making salts**	Unit 5.4 **Req Prac: Electrolysis** end of unit EoU	Unit 4.7 Adaptations, interdependence and competition biotic and abiotic factors	Unit 4.7 levels of organisation sampling required practical	Revision	Y10 PPE DCP3	Y10 PPE DCP3	Unit 4.7 cycling of materials biodiversity waste management and land use	Unit 4.7 deforestation, global warming and maintaining biodiversity end of unit EoU	Unit 6.7 Magnetism FLHR (HT) Motor effect (HT)	Unit 6.7
FB	Vaccinations and diseases		Energy stores and transfers		magnification and microscopes		Quantitative		Command words and practical terms	Command words and practical terms		Atomic structure		Alpha, beta and gamma
Maths skill	Unit conversions smaller	Unit conversions bigger	combining unit conversion	ESTAU density	Graph interpretation	Directly proportional	ESTAU and using 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.