

Long Term Plan: Y11 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	B4	B4	C5	P5	P5	P5	P5	P6	P6	DCP1	DCP1	B5	B5	C6
Bespoke Recall	active transport	circuit components	Describing relationships from graphs	National grid and step up	uncertainty	cell organisation	Naming compounds	protists and malaria	pH scales	scales on graphs	Variables	energy changes	Means, mode and medians	magnification calcs
Lessons	Unit 4.4 Bioenergetics Photosynthesis Req Prac: Photosynthesis	Unit 4.4 Respiration Exercise Metabolism end of unit EoU	Unit 5.5 Energy changes Req Prac: exo and endo	Unit 6.5 scalar and vector forces-contact and non-contact gravity and mass	Unit 6.5 resultant forces, free body diagrams, work done and energy Hooke's law req prac	Unit 6.5 distance speed, velocity, graphs, acceleration	Unit 6.5 Newton's laws, stopping distance-cars, momentum HT only	Unit 6.6 Waves req prac: ripple tank	Unit 6.6 EM waves end of unit EoU	DCP1	DCP1	Unit 4.5 nervous system reflex arcs req prac reaction rates	Unit 4.5 homeostasis endocrine system Hormones in reproduction/menstrual contraception IVF	Unit 5.6 calculating rates factors affecting rates collision theory and activation
FB	Nuclear radiation	osmosis	Drawing graphs	Energy changes	cell cycle	Specific heat capacity	Making salts	Enzymes	Revision	Command words and practical terminology	Command words and practical terminology	Antibiotic resistance	Forces	Respiratory system and diseases
Maths skills		ESTAU and the equation sheet	Drawing graphs	Interpreting graphs	ESTAU GPE and KE	proportionality	ESTAU W=mg	percentages	ESTAU speed	D-t graphs	Areas and volumes	ESTAU density	Converting units smaller	Converting units bigger
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	C6	C6	C7	C7	C8	B6	B6	B6	DCP2	DCP2	P7	P7		
Bespoke Recall														
Lessons	Unit 5.6 catalysts reversible reactions	Unit 5.6 Req prac: rates	Unit 5.7 Fractional distillation	Unit 5.7 Cracking and trends in chains	Unit 5.8 Chemical Analysis separation	Unit 4.6 Inheritance reproduction	Unit 4.6 Inherited genes and	Unit 4.6 Resistant Bacteria	DCP2	DCP2	Unit 6.7 Magnets, fields, Electromag			

	equilibrium Le Chatelier's principle HT only	Unit 5.7 Hydrocarbons	- oil usage	end of unit EoU	gas test Req prac: chromatography	meiosis	genetic diseases selective breeding evolution	classification end of unit EoU			nets, motor effect, FLHR HT only,				
FB	Photosynthesis		Circuits and electricity		Rates of reaction		Nerves and homeostasis		Organic chemistry		resistance of a wire				
Maths skill	ESTAU ohm's law	error and uncertainty	Measuring rates	ESTAU microscopy	Probability	Percentages	ESTAU power	SI units	Standard form	ESTAU work done	Means and anomalies	Patterns on graphs			
HW	C5 GCSE	C5 GCSE	C5 GCSE	C5 GCSE	C5 GCSE	C5 GCSE	B4 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	HT5 plan	HT5 Plan	HT5 Plan	HT5 Plan	GCSEs	GCSEs	GCSEs	GCSEs	GCSEs						
Bespoke Recall															
Lessons															
Maths skills	Rearranging equations / extended calcs	Data interpretation	Graph interpretation	Line of best fit	Error and uncertainty	ESTAU and the equation sheet									

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.