Long Term Plan: Y8 Science

Date	w.c 04.09.2 3	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
Торіс	Introduct ion	B4 organisms	B4 organisms	B4 organisms	B4 organisms	B4/C4	C4 Atoms	C4 Atoms	C4 Atoms	C4/ P4	P4 Electromagn ets	DCP 1	P4 Electroma gnets	P4 Electromag nets
Bespoke Recall	variables	reproducti ve organs including umbilical cord	risk assessmen ts	renewable and non- renewable energy	specialised cells linking to plants	means (discountin g anomaly)	force diagrams	pH scales	plotting points on graph	describing a trend from a graph	describing patterns	acids and alkalis	Drawing conclusion s from data	variables from hypothesis
Lessons	Introduct ion lesson	Respirator y system, breathing, exercise Skills: H, G, E and EX	drugs, asthma and smoking, academic text, gas exchange Skills: H, G, E and EX	lung disease, balanced diets, food tests Skills: H, G, E and EX	unbalance d diets, digestive system, enzymes Skills: H, G, E and EX	End of unit, WCF, Periodic table and history Skills: H, G, E and EX	metals and non- metals,Ato ms, Atomic structure group 1 metals, <i>Skills: H, G,</i> <i>E and EX</i>	Group 7, group 0, exploring patterns <i>Skills: H, G,</i> <i>E and EX</i>	Combining elements, comparing elements, Academic text Skills: H, G, E and EX	End of unit and WCF, describing current, investigati ng current Skills: H, G, E and EX	voltage, investigating voltage, resistance, series and parallel <i>Skills: H, G, E</i> and <i>EX</i>	DCP1 and WCF, Academic text Skills: H, G, E and EX	comparing S+P, static, electric fields, magnetic fields <i>Skills: H, G,</i> <i>E and EX</i>	Magnets investigatio n, end of unit WCF Skills: H, G, E and EX
FB	Specialise d cells	Graphs	Waves	Forces	Evaluate Qs	Variables	averages and data	pH scale	Justifying opinions	displacem ent reactions	Risk assessments	Renewabl e vs non- renewable	Energy stores	risk assessment
HW		P2	P2	P2	P2	P2	B3	B3	B3	В3	B3	B3	B3	B3
Date	w.c 01.01.2 4	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		
Торіс	B5 Bioenerg etics	B5 Bioenerge tics	B5 Bioenerget ics	B5/C5	C5 Reactions	C5 Reactions	C5 Reactions	P5 Waves	DCP2	Science week	P5 Waves	P5 Waves		
Bespoke Recall														
Lessons	bank hol, photosyn thesis, testing for starch <i>Skills: V,</i> <i>L, EC, AH</i>	Leaf adaptation , movement of water, investigati ng photosynt	academic text, aerobic respiration , anaerobic respiration and fermentati	end of unit, WCF, Conservati on of mass, word equations, <i>Skills: V, L</i> ,	endo and exo, endo, exo practical, combustio, incomplet e combustio	Comparing fuels practical, thermal decomp, balancing equations,	academic text End of unit and WCF Skills: V, L, EC, AH	Waves, EM spectrum, dangers of EM spectrum Skills: V, L, EC, AH	DCP2 and WCF Skills: V, L, EC, AH	Science week: theme time Skills: V, L, EC, AH	Properties of light, reflection and practical Skills: V, L, EC, AH	refraction and practical, sound systems (micropho nes and loudspeak		

		Skills: V, L, EC, AH	respiration in plants Skills: V, L, EC, AH		Skills: V, L, EC, AH	Skills: V, L, EC, AH						Skills: V, L, EC, AH		
FB	Diffusion and cells			forces			Method writing					Elements etc		
HW	C3	C3	C3	C3	C3	C3	Р3	Р3	Р3	P3	P3	P3	-	
Date	w.c 15.04.2 4	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
Торіс	B6 Genes	B6 Genes	B6 Genes	B6 Genes	C6 Resources	C6 Resources	C6 Resources	C6 Resources	Revision	DCP3	P6 Energy	P6 Energy	P6 Energy	P6 Energy
Bespoke Recall														
Lessons	Biodivers ity, competiti on, natural selection, DNA Skills: C, O, F, S	Extinction, variation, fertilisatio n Skills: C, O, F, S	cell division, genetic crosses, cloning Skills: C, O, F, S	academic text, end of unit assessmen t, WCF Skills: C, O, F, S	Earth's resources, extracting resources, recycling Skills: C, O, F, S	Water waste, water cycle, ceramic, polymers and composite s, <i>Skills: C, O,</i> <i>F, S</i>	human impact, climate change, carbon cycle <i>Skills: C, O,</i> <i>F, S</i>	Academic text, end of unit, WCF Skills: C, O, F, S	Revision week	DCP3 and WCF	energy transfers, work done, deformation Atmospheric pressure <i>Skills: C, O,</i> <i>F, S</i>	pulleys and levers, thermal energy. conductio n <i>Skills: C, O,</i> <i>F, S</i>	convection , radiation, summary <i>Skills: C, O,</i> <i>F, S</i>	Academic text, end of unit, WCF Skills: C, O, F, S
FB	Energy resources		Digestive system		periodic table		Electricity		Photosynth esis		Conservatio n of mass		Graphs	
HW	B4	B4	B4	B4	B4	B4	C4	C4	C4	C4	C4	C4	C4	C4

See assessment Calendar for details of Formative 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 formative 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

See documents on science week