

Year 8Z Learning Journey 2024-2025

Week	Date	Topic (Key construct/ Component Knowledge)	Assessment
1 (Thurs)	5.09.24	Energy (stores and transfers)	
2	9.09.24	Energy (conduction, convection and radiation)	IKR Task
3	16.09.24	Energy (global warming and climate change)	Checkpoint
4	23.09.24	Energy (food and fuels)	
5	30.09.24	Energy (power)	IKR Task
6	7.10.24	Energy (renewable and non-renewable)	End of Unit
7	14.10.24	Atomic Structure and Bonding (the atom)	
8	21.10.24	Atomic Structure and Bonding (periodic table)	
Half term			
9	4.11.24	Atomic Structure and Bonding (compounds)	IKR Task
10	11.11.24	Atomic Structure and Bonding (ions)	Checkpoint
11	18.11.24	Atomic Structure and Bonding (ionic bonding)	IKR Task
12	25.11.24	Atomic Structure and Bonding (metallic bonding)	End of Unit
13	2.12.24	Life and Reproduction (reproductive systems)	Data Drop
14	9.12.24	Life and Reproduction (menstrual cycle)	IKR Task
15	16.12.24	Life and Reproduction (human pregnancy)	Checkpoint
CHRISTMAS			
16	6.01.25	Life and Reproduction (plant reproduction)	
17	13.01.25	Life and Reproduction (DNA and inheritance)	IKR Task
18	20.01.25	Life and Reproduction (evolution)	End of Unit
19	27.01.25	Reactions (identifying hazards)	
20	3.01.25	Reactions (acids and alkalis)	
21	10.02.25	Reactions (neutralisation)	
Half term			
22	24.02.25	Reactions (reactivity series)	IKR Task
23	3.03.25	Reactions (conservation of mass)	Checkpoint
24	10.03.25	Science Week 2025	
25	17.03.25	Reactions (combustion)	
26	24.03.25	Reactions (displacement)	IKR Task
27	31.03.25	Reactions (exothermic and endothermic)	End of Unit
EASTER			
28(BH)	21.04.25	Exam Prep	
29	28.04.25	Annual Exams	
30(BH)	06.05.25	Annual Exams	
31	12.05.25	RAP/ addressing misconceptions	
32	19.05.25	Plants and Ecosystems (microscopy of plant cells)	IKR Task
Half term			
33	2.06.25	Plants and Ecosystems (photosynthesis and leaves)	Checkpoint
34	9.06.25	Plants and Ecosystems (specialised plant cells)	
35	16.06.25	Plants and Ecosystems (species, ecosystems)	IKR Task
36	23.06.25	Plants and Ecosystems (sampling techniques)	End of Unit
37	30.07.25	Space (orbits, moons)	
38	7.07.25	Space (planets)	Checkpoint
39	14.07.25	Activities week	

