



Science Long Term Plan Year 10

Week	Lessons	Subject	Topic
1	1-2	Chemistry - Bonding, Structure and Properties of Matter	Metals and Non-Metals
2	1-2	Biology – Infection and Response	Communicable Disease - Viruses
3	1-2	Biology – Infection and Response	Communicable Disease – Bacteria
4	1-2	Biology – Infection and Response	Protists and Fungi
5	1-2	Physics - Energy	Hydroelectricity and Tidal Barrages
6	1-2	Physics - Electricity	Circuits Introduction
7	1-2	Chemistry – Bonding, Structure and Properties of Matter	Ionic Bonding
8	1-2		Closing the Gap Activities
HALF TERM			
9	1-2	Chemistry - Bonding, Structure and Properties of Matter	Covalent Bonding
10	1-2	Biology – Infection and Response	Immune Systems and Defences
11	1-2	Biology – Infection and Response	Vaccinations and Immunisation
12	1-2	Biology – Infection and Response	Developing New Medicines
13	1-2	Physics - Electricity	Series Circuits
14	1-2	Physics – Electricity	Parallel Circuits
15	1-2		Closing the Gap Activities
HALF TERM			
16	1-2	Chemistry - Bonding, Structure and Properties of Matter	Types of Covalent Structure
17	1-2	Chemistry - Bonding, Structure and Properties of Matter	Metallic Bonding
18	1-2	Biology – Infection and Response	Drugs and Medicines
19	1-2	Biology – Infection and Response	Developing New Medicines
20	1-2	Biology – Infection and Response	Plant Disease and defence
21	1-2		Closing the Gap Activities
HALF TERM			
22	1-2	Physics – Electricity	National Grid
23	1-2	Physics – Electricity	Plugs and Wires
24	1-2	Chemistry - Bonding, Structure and Properties of Matter	States of Matter
25	1-2	Chemistry – Chemical Changes	Acids and Bases
26			Closing the Gap Activities
HALF TERM			
27	1-2	Biology – Bioenergetics	Photosynthesis
28	1-2	Biology – Bioenergetics	Anaerobic and Aerobic Respiration
29	1-2	Biology – Homeostasis and Response	Homeostasis
30	1-2	Physics – The Particle Model of Matter	Particle Model and States of Matter
31	1-2	Physics – Atomic Structure	Why Radiation is Harmful
32	1-2		Closing the Gap Activities
HALF TERM			
33	1-2	Chemistry – Chemical Changes	Electrolysis Introduction
34	1-2	Chemistry – Energy Changes	Exothermic and Endothermic Reactions
35	1-2	Biology – Homeostasis and Response	The Nervous System, Synapses and Reflexes
36	1-2	Biology – Homeostasis and Response	The Brain
37	1-2	Biology – Homeostasis and Response	Structure of the Eye and Iris Reflex
38	1-2	Physics – Atomic Structure	Radiation in Medicine
39	1-2		Closing the Gap Activities