

		YEAR 7	YEAR 8
2021/2022	w/c		
Autumn 1	06-Sep	Contact and Non-contact Forces and motion - Pupils consolidate and build on their knowledge from KS2 on forces and their measurements. Describing range of situations in which different forces act in everyday life	Periodic table and Elements -Pupils revisit metals and non metals.Pupils describe the structure of an atom and how elements are arranged in the periodic table.
	13-Sep		
	20-Sep		
	27-Sep		
	04-Oct	Particle model and Separating mixtures - Pupils build on knowledge from KS2 on states of matter.Describing the particle model and change of state.	Heating and Cooling and Work done - Pupils revisit energy stores and describe conduction, convection and radiation.
	11-Oct		
18-Oct			
	25-Oct	HALF TERM	HALF TERM
Autumn 2	01-Nov		
	08-Nov	Cells and Movement - Pupils compare plant and animal cells. Pupils describe how multicellular organisms are arranged to carry out different functions.	Breathing and Digestion - Pupils revisit cells tissues, organs and organ systems, diffusion.
	15-Nov		
	22-Nov		
	29-Nov		
	06-Dec	Energy transfers and Energy costs - Pupils describe the different energy stores and how energy changes in a sytem. Pupils calculate the use of energy domestically.	Pressure - Pupils revisit forces. Calculation of pressure and density
13-Dec			
	20-Dec	CHRISTMAS	CHRISTMAS
	27-Dec		
Spring 1	04-Jan		
	10-Jan	Reproduction and Variation - Pupils revisit cells.Pupils are introduced to variation and the menstrual cycle.	
	17-Jan		
	24-Jan		
	31-Jan	Acids and alkali and Metals and non-metals - Pupils revisit particles. Pupils investigate various chemical reactions between acid and alkali and metals and non metals.	Evolution and Inheritance - Pupils revist genes. Pupils learn about inheritance and explore the theory of evolution.
	07-Feb		
14-Feb			
	21-Feb	HALF TERM	HALF TERM
	28-Feb		
Spring 2	07-Mar	Interdependence and Plant reproduction - Pupils recall different habitats from KS2. Pupils learn how diferent plants and animal are adapted. Pupils consolidates and extends their knowledge on plant reproduction.	Types of chemical reactions - Pupils revisit particle model and different elements and compounds. Pupils are introduced to different types of chemical reaction such as exothermic and endothermic reactions.
	14-Mar		
	21-Mar		
	28-Mar		
	04-Apr	Sound and Light - Pupils are introduced sound and light as waves. Pupils describe how light and sound waves travel through different mediums.	Respiration and Photosynthesis - Pupils revist types of reactions. Pupils learn about aerobic and anaerobic repirsation. Pupils are also introduced to photosynthesis.
Summer 1	11-Apr		
	18-Apr	EASTER	EASTER
	25-Apr		
	02-May		
	09-May	Earth structure and Universe - Pupils describe the structure of the earth. Pupils learn about the rock cycle the solar system.	Climate and Earths resources - Pupils learn about how global warming affects climate change. Pupils are introduced to different extraction techniques for metals.
	16-May		
	23-May		
	30-May	HALF TERM	HALF TERM
Summer 2	06-Jun		
	13-Jun	Electricity - Pupils are introduced to current and voltage. Pupils learn about series and parallel circuits.	
	20-Jun		
	27-Jun		
	04-Jul		
	11-Jul	OPPORTUNITIES TO REVISIT	Electromagnets and magnetism - Pupils revist circuits.Pupils learn about electromagnets and their uses. Pupils also explore magnetism and how Earth has its own magnetic field.
	18-Jul	Key concepts from biology, chemistry and physics	