

Science Year 9 – Summer Term 1

Dates			Learning Intentions		
08/04/2024	Chemistry Unit 6	C1&2- States of Matter and Mixtures	What are the states of matter?		
			What happens when substances change state?		
			What is purity?		
			How do we separate suspensions?		
15/04/2024		Chemistry Unit 6	C1&2- States of Matter and Mixtures	How do we separate solutions?	
				How do we separate mixtures of liquids (chromatography)?	
				How do we separate mixtures of liquids (distillation)?	
				Core practical: Simple distillation	
22/04/2024			Chemistry Unit 6	C1&2- States of Matter and Mixtures	Core Practical: Chromatography
					Where does drinking water come from?
					How has the model of the atom changed over time?
					How do we calculate the number of protons, neutrons and electrons in an atom of an element?
29/04/2024				Chemistry Unit 6	C3&4 - Atoms and Periodic Table
	How was the periodic table developed?				
	How is the periodic table arranged?				
	Where are the electrons found in the atom, and what is their configuration? (2 lessons)				
06/05/2024	Chemistry Unit 6				C3&4 - Atoms and Periodic Table
		How do ions join to make a new substance?			
		What are the properties of ionic substances?			
		How do non-metals bond? (2 lessons)			
13/05/2024		Chemistry Unit 6			C5-7 - Bonding and Substances
			How are metals and non-metals similar and different?		
			What are the properties of metals and alloys?		
			How do metals bond?		
20/05/2024			Chemistry Unit 6		C5-7 - Bonding and Substances