



I Can Statement - Year 6

Chemical Change

Unit/Topic Overview	Pre-taught Vocabulary	
In this topic you will learn that chemical changes happen when materials react to form one or more new substances with different properties. Unlike many physical changes, chemical changes are usually difficult or impossible to reverse. In Year 6, you will learn how to recognise the signs of a chemical reaction, such as a colour change, bubbles of gas, a change in temperature, or the formation of a new solid. You will also investigate everyday examples of chemical changes, including burning, rusting and cooking. Through practical investigations, you will develop your scientific enquiry skills and learn how chemical changes are an important part of our everyday lives.	Reversible	Reaction
	Product	Irreversible
	Burning	Particle
	Combustion	Melting
	Evaporating	Condensing

RAG Rating:		Start	End
1.	I can explain what a chemical change is and how it is different from a physical change. They can compare two scenarios and identify the type of change with reasoning.		
2.	I can understand and can discuss the similarities and differences between the 3 states of matter, drawing basic particle diagrams of each. They can describe general properties of each state eg compression, volume, shape		
3.	I can name and explain changes in state and can demonstrate these by planning and or carrying out experiments		
4.	I can draw and discuss the water cycle, naming the key processes of evaporation, condensation, precipitation and accumulation		
5.	I can define solubility and can identify whether a material is soluble or insoluble in water. They understand key definitions of soluble / insoluble, solution, solute and solvent		
6.	I can separate various materials using appropriate techniques which they can identify themselves. To include sieving, filtering, decanting, magnets, evaporation and condensation		
7.	I know the difference between reversible and irreversible changes, can compare the two and know what signs to look for when assessing a scenario		
8.	I can make accurate observations of an experiment and draw a conclusion from them. I can recall the changes linked to chemical changes, eg gas, smell, colour change, heat and those linked to physical changes		
9.	I can understand the changes that occur during combustion (when a candle burns)		

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