

High Tunstall College of Science Curriculum Intent

Subject: Chemistry Year: 7

Thread 3 – Chemical and energy change



	Chemistry Thread 3	Progress		
Topic	Key ideas	R	A	G
Chemical and energy change	I can identify signs of a chemical reaction			
	I can explain what happens to mass in chemical reactions and use word equations			
	I can explain what a combustion reaction is and the conditions needed for this			
	I can explain what is meant by a thermal decomposition reaction, describing what I observe in these			
	I can describe what acids and alkalis are, and identify these using the universal indicator			

Lesson	Learning Focus	Assessment	Key Words
1	What is a chemical reaction?	Identify signs of a chemical reaction, and compare those to a physical reaction	Reaction
2	What happens to mass in a chemical reaction?	Application of understanding of conservation of mass to unfamiliar contexts	Conservation, reaction
3	What is combustion?	Compare and contrast complete and incomplete combustion	Combustion, reaction
4	What are thermal decomposition reactions?	Identify the products of thermal decomposition reactions, and produce word equations to show these	Thermal decomposition
5	What are acids and alkalis?	Classify substances as acids and alkalis	
6	Review prior learning	Identify areas of strength and areas for improvement.	