

# High Tunstall College of Science Curriculum Intent

Subject: Chemistry Year: 8

## Thread 4—The rate and extent of chemical change



	Chemistry Thread 4	Progress		
Topic	Key ideas	R	A	G
The rate and extent of chemical change	I can define the term 'rate of reaction'			
	I can explain what is meant by 'collision theory'			
	I can explain, linked to collision theory, how surface area and concentration affect the rate of a chemical reaction			
	I can use knowledge of rates of reaction to suggest how industry can be more profitable			

Lesson	Learning Focus	Assessment	Key Words
1	Why do chemical reactions happen?	Modelling collision theory	Collision
2	Why does surface area affect the rate of a chemical reaction?	Graph completion and analysis	
3	Why does concentration affect the rate of a chemical reaction?	Graph completion and analysis	