

# High Tunstall College of Science Curriculum Intent

Subject: Chemistry Year: 9

## Thread 2—Structure, bonding and quantitative Chemistry



	Chemistry Thread 2	Progress		
Topic	Key ideas	R	A	G
Structure, bonding and quantitative chemistry	I can describe the three states of matter and apply this to their properties			
	I can write word equations			
	I can write and balance symbol equations			
	I can give state symbols in chemical equations			
	I can explain what is meant by conservation of mass and apply this to different experiments			

Lesson	Learning Focus	Assessment	Key Words
1	What are the three states of matter?	Completion of practical work comparing elements and compounds, and completion of word equations looking at compounds	Solid, liquid, gas, particles
2	What are changes of state?	Practical work related to changes of state	Melt, freeze, evaporate, condense
3	How do we balance equations?	Completion of balanced chemical equations	Reactants, products, equations
4	What is meant by conservation of mass?	Conclusions and explanations of practical work	<b>Conservation</b> , mass, gas, reactants, products