

High Tunstall College of Science Curriculum Intent

Subject: Chemistry Year: 8

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 how compounds are formed			
	I can compare and contrast metals and non-metals			
	I can explain what nanotechnology is, and give some uses of this			
	I can evaluate the use of nanotechnology in terms of potential benefits and drawbacks			

Lesson	Learning Focus	Assessment	Key Words
1	How are compounds formed?	Completion of practical work comparing elements and compounds, and completion of word equations looking at compounds	Compounds, reactions, equations
2	How are metals and non-metals different?	Application task classifying unknown materials as metals and non-metals	Metal, non-metal, properties, evidence
3	Is nanotechnology safe?	Completion of extended writing evaluating the use of nanotechnology	Nano, nanotechnology, nanoparticles