

High Tunstall College of Science Curriculum Intent

Subject: Chemistry Year: 7

Thread 1—Atomic Structure and the Periodic table



	Chemistry Thread 1	Progress		
Topic	Key ideas	R	A	G
Atomic Structure and the Periodic Table	I can describe how ideas of atomic structure have changed over time			
	I can explain what an atom is			
	I can define elements and compounds, and give examples of these			
	I can explain how elements are arranged in the periodic table			
	I can compare and contrast metals and non metals			
	I can explain how we can separate mixtures by filtration, evaporation, distillation and chromatography			

Lesson	Learning Focus	Assessment	Key Words
1	How did we discover the structure of the atom?	Tasks to identify the stages in the development of the atom	Atom , development, Dalton
2	What are elements and compounds?	Classification of materials as elements and compounds, completion of practical task and conclusions made	Element , compound, reaction
3	How are elements arranged?	Completion of a variety of tasks looking at how elements can be arranged, and relating this to the Periodic Table	Trends , periodic table, patterns, properties
4	How are metals and non metals different?	Completion of practical work comparing metals and non-metals, application task	Metal, non-metals, properties, conduction
5	How do we separate mixtures? Part 1	Completion of practical work	Filtration , evaporation, separation, soluble, insoluble
6	How do we separate mixtures? Part 2	Completion of practical work and application task	Evaporation , condensing, distillation, chromatography, separate