

Year 9 Chemistry Curriculum Overview

- ✓ Each lesson will start with a series of questions linked to both the previous lesson and topics studied previously.
- ✓ Formative assessment of skills linked to practical work will enable students to demonstrate their acquisition of new skills.
- ✓ Students are encouraged to consolidate learning at least once a week and seek tutor help if unsure on any topics.
- ✓ Within each unit, time will be allocated for consolidation and recall before assessment
- ✓ The following questions will be explored within the units

Half Term 1	
Date	Topic: Atomic structure and the periodic table
WC 30/08	Introduction to science (expectations, standards, health and safety, introduction of key skills and assessing prior knowledge).
WC 06/09	What is an atom, element and compound?
WC 13/09	What is a mixture and how do we separate it?
WC 20/09	How are reactions represented?
WC 27/09	What makes up an atom?
WC 04/10	How has the model of the atom changed?
WC 11/09	
Half Term 2	
Date	Topic: Atomic structure and the periodic table
WC 01/11	Where do the electrons go?
WC 08/11	What are the differences between metals and non-metals?
WC 15/11	How has the periodic table changed?
WC 22/11	How are group 0 different from other elements in the periodic table?
WC 29/11	Where are alkali metals found and how do they react?
WC 06/12	Where are the halogens found and how do they react?
WC 13/12	
WC 20/12	
Half Term 3	
Date	Topic: Atomic structure and the periodic table
WC 03/01	How are ions formed?
WC 10/01	What is an isotope?
WC 17/01	Why is the mass number of an elements always a whole number?
WC 24/01	Where are transition metals found and what are their properties?
WC 31/01	
WC 07/02	
Half Term 4	
Date	Topic: Bonding, structure and the properties of matter
WC 21/02	What are the states of matter?
WC 28/02	How do we show the bonds between metals and non metals?
WC 07/03	What are the properties of ionic compounds?
WC 14/03	How do we represent bonds between non metals?
WC 21/03	
WC 28/03	
Half Term 5	
Date	Topic: Bonding, structure and the properties of matter
WC 18/04	What are the properties of simple molecules?
WC 25/04	What are the properties of giant structures?
WC 02/05	What other forms of carbon are there?
WC 09/05	How is bonding arranged in metals?
WC 16/05	
WC 23/05	
Half Term 6	
Date	Topic: Bonding, structure and the properties of matter
WC 06/06	How can we tell if a substance is ionic, covalent or metallic?
WC 13/06	What are nanoparticles?
WC 20/06	What are nanoparticles used for?
WC 27/06	
WC 04/07	
WC 11/07	
WC 18/07	