

Keywords: Autumn 1

Science

Topic Title: Atomic Structure and the Periodic Table

Introduction to the topic: This topic is the start of your GCSE Chemistry content. We will be learning about atoms and compounds, and the periodic table and how to use it.

What lessons will you cover during the topic?

Atoms, elements, compounds, mixtures, history of the atom, structure of the atom, the periodic table, groups 0, 1 and 7.

Keyword	Definition
compound	Two or more elements chemically bonded together
Element	Made up of only one type of atom
Molecule	Two or more atoms chemically bonded together
mixture	Two or more substances mixed together NOT chemically bonded
Subatomic particles	Particles found inside the atom: protons, neutrons and electrons
Isotope	Atoms of an element with the same number of protons and electrons but different numbers of neutrons
Nucleus	The central part of the atom – contains protons and neutrons
Period	Horizontal row in the periodic table
Group	Vertical column in the periodic table containing elements with similar chemical properties