

# Programme of Study



Subject: Chemistry (Exam Board AQA)

Year: 9

## Autumn 1

- i. Atoms
- ii. Chemical equations
- iii. Separating mixtures
- iv. History of the atom
- v. Structure of the atom
- vi. Isotopes
- vii. Electronic structure

## Autumn 2

- i. Development of the periodic table
- ii. Electronic structure and the periodic table
- iii. The alkali
- iv. The halogens
- v. Explaining trends

## Spring 1

- i. States of matter
- ii. Atoms into ion
- iii. Ionic bonding
- iv. Giant ionic structure
- v. Covalent bonding
- vi. Fullerene and graphene

## Spring 2

- i. Bonding in metals
- ii. Giant metallic structure
- iii. Nanoparticles

## Summer 1

- i. The reactivity series
- ii. Displacement reactions
- iii. Extracting metals
- iv. Salts from metals

## Summer 2

- i. Salts from insoluble bases
- ii. Making more salts
- iii. Neutralization and the pH scale
- iv. Strong and weak acids