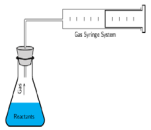
Chemistry
Curriculum Map: Year 10

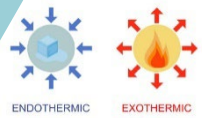
AUTUMN TERM

C6 Rate & Extent of Chemical Change



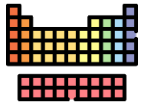
- Measuring rates of reaction
- Collision theory & activation energy
- Factors affecting reaction rates
- Catalysts and equilibrium

C5 Energy Changes



- Endothermic reactions
- Exothermic reactions
- Energy profiles

C1 Atomic Structure & the Periodic Table



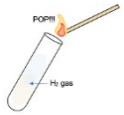
- Elements, mixtures & compounds
- Development of the periodic table
- Metals and non-metals
- Groups 1, 7 and 0
- History of atomic theory
- Structure of the atom
- Mass and charge of particles
- Electron configuration

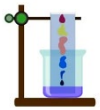
SPRING TERM

C9 Chemistry of the Atmosphere

- Evolution of the atmosphere
- Greenhouse gases
- Global Warming
- Atmospheric pollutants

C8 Chemical Analysis



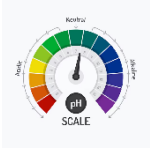


- Chromatography
- Purity & formulations
- Testing for gases

SUMMER TERM

C2 Bonding, structure and the properties of matter

- Ionic, metallic and covalent bonds
- Allotropes of carbon
- Properties of matter



C4 Chemical Changes

- Reactivity series
- Extraction of metals
- Acids and Alkalis
- Neutralisation