

# Chemistry

## A-Level Edexcel

### The Course

Chemistry is everywhere. Every time we light a match or cook a meal, drive a car or simply breathe and use oxygen in our bodies, we perform a chemical reaction. Year 12 includes the structure of the atom, chemical structure and bonding, organic and inorganic chemistry, analytical techniques, rates of reaction and equilibrium. Year 13 includes acid-base equilibria, enthalpy cycles and entropy, redox and electrochemistry, the importance of transition metals and the application of organic chemistry.

### Assessment

Paper 1 and Paper 2 (1 hour 45 minutes) cover the content from the whole of the two year course.

Paper 3 (2 hours 30 minutes) examines investigative skills and the ability to link topics.

### Entry Requirements

Pathway 1 or 2 entry requirements plus:

- Grade 6+ in GCSE Chemistry and a second science
- or Grade 6-6+ in GCSE Combined Science

### Careers & Higher Education

Chemists are highly employable and they are found working in a wide range of careers: pharmaceutical and oil industries, public health and environmental protection, journalism, forensic science, business, finance, banking and accountancy.

*"I am among those who think that science has great beauty. A scientist in his laboratory is not only a technician; he is also a child placed before natural phenomena which impress him like a fairy tale."*

*Marie Curie*

