



Chemistry

AS and A Level

Exam board

AQA

Entry criteria

Grades 6-6 in GCSE Combined Science or grade 6 in GCSE Chemistry

Grade 6 in GCSE Mathematics

Assessment

AS Level: Two written examination papers (Year 12)

A Level: Three written examination papers (Year 13) plus a practical endorsement for Chemistry

Overview

Across your Chemistry studies, we cover three key areas: Physical, Inorganic and Organic Chemistry. You will be examined in each of these areas both at AS Level and at A Level.

Physical Chemistry explores the human body and the wider world. You will consider the major driving forces for chemical reactions and link this to relevant real-world applications, for example the role of the oceans in dissolving substances and maintaining pH to support life on this planet.

Inorganic Chemistry investigates properties of elements and compounds and considers how transition metals benefit society, such as through industrial processes.

In our other focus, Organic Chemistry, we learn how carbon forms the building block for molecules of life on Earth; organic synthesis; and how more complex molecules, such as pharmaceuticals, can be made.

Careers and study progression

Chemists work in almost any field you can think of, including pharmaceuticals; food technology; manufacturing; petrochemicals; journalism and publishing; criminal forensics; teaching and research in academia or industry. The possibilities are huge: and we need scientists more than ever, as our world and environment undergo rapid change.