

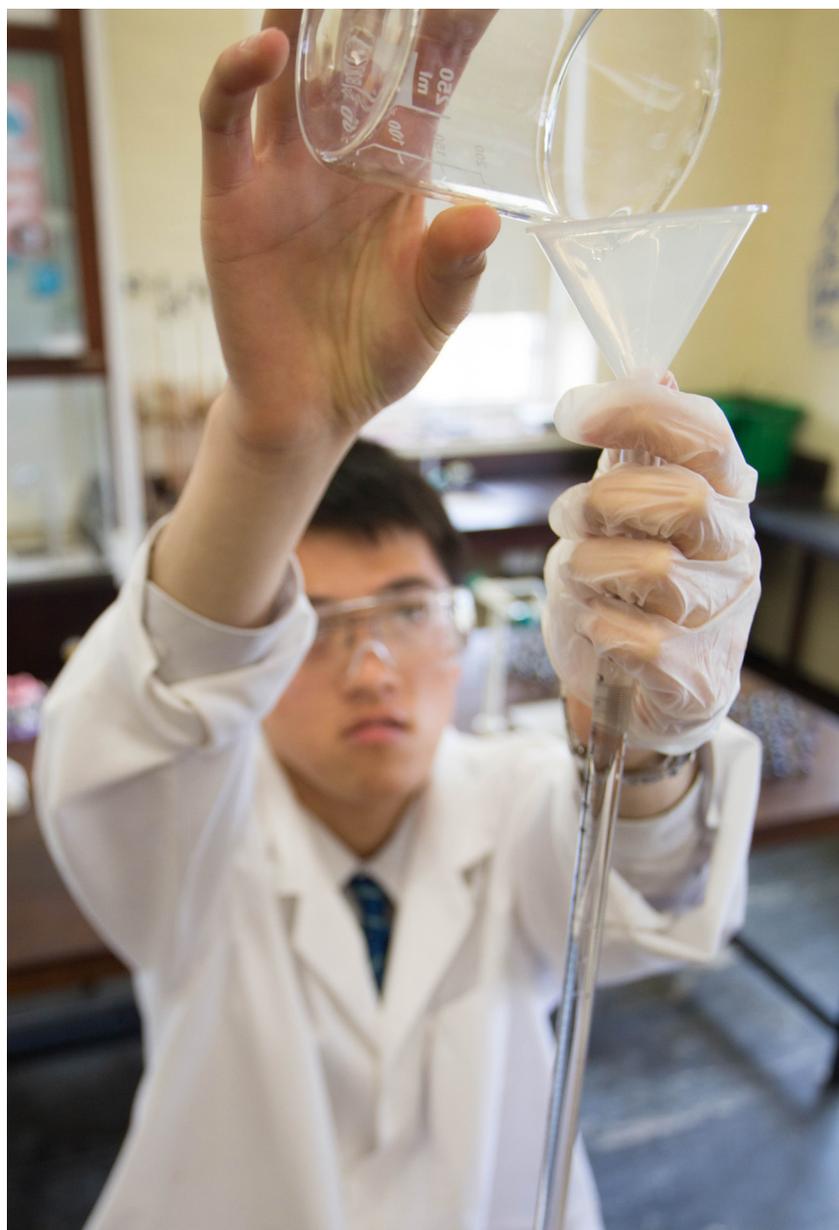
# Chemistry

CAMBRIDGE IGCSE

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## *Studying Chemistry*

Chemistry is an incredibly fascinating field of study. Because it is so fundamental to our world, chemistry plays a role in everyone's lives and touches almost every aspect of our existence in some way. Chemistry is essential for meeting our basic needs of food, clothing, shelter, health, energy, and clean air, water, and soil. Chemical technologies enrich our quality of life in numerous ways by providing new solutions to problems in health, materials, and energy usage. Thus, studying Chemistry is useful in preparing us for the real world.



## *What will I learn?*

The IGCSE Chemistry course is varied, rich and interactive. Pupils will explore the Chemical World and study key, foundation topics such as atomic structure, the periodic table, rates of reaction, acids and bases and fundamental organic Chemistry. Experimental and analytical techniques form a key part of Chemistry education and are an integral part of the course.

## *How will I be assessed?*

Candidates sit two Extended papers and a common Alternative to Practical paper in each of the three sciences (nine papers in total)

### **Paper 2**

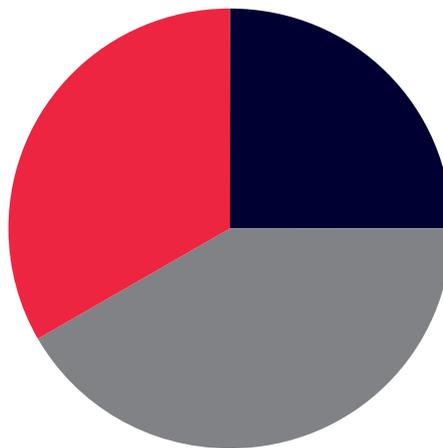
45 minutes – involves 40 multiple-choice questions.

### **Paper 4**

75 minutes – is a written paper consisting of short-answer and structured questions.

### **Paper 6**

60 minutes – is a written paper assessing practical skills.



Three written papers

## *What can I do after I've completed the course?*

IGCSE Chemistry is a rich, challenging course that ideally prepares students for 6th form Chemistry courses. Increasingly, Universities view Chemistry as an essential topic for all medical based courses and value the transferable skills that Chemistry teaches. Triple Award Chemists are encouraged to study sixth form Chemistry if they are interested and motivated to do so. All science candidates, including Combined Science, have scientific study as part of their education, which, alongside numeracy and literacy, is a good preparation for life beyond the classroom and includes knowledge and transferable skills that future employers will be looking for.