QEHS SIXTH FORM

CHEMISTRY

Cambridge OCR A Level

ABOUT THE COURSE

A Level chemistry is a challenging but highly rewarding course that helps you understand the world around you, from medicines and materials to environmental issues and industrial processes. It develops problem-solving, analytical thinking, practical skills, and mathematical ability, all of which are highly valued by universities and employers.

A-Level Chemistry is an exciting, intellectually demanding course that provides excellent preparation for university and a wide range of careers. It is significant step up from GCSE and requires higher levels of challenging mathematics, a greater depth of scientific understanding, a greater expectation of independent learning and wider reading, more detailed practical work and extended exam questions requiring detailed explanation and analysis.

If you enjoy solving problems, investigating how things work, and understanding the science behind the world around us, Chemistry could be an excellent choice for you. Throughout the course you will carry out a wide range of practical investigations, learn how to process and evaluate data, develop your scientific writing and communication skills, build confidence using laboratory equipment safely which will lead to a practical endorsement through various activities. Linking the practical activities into theory lessons is an essential part of the course and a skill you will continuously develop at QEHS, alongside on a trip to the University of Lincoln to support you.

"Chemistry is not about memorising facts. It is about using scientific knowledge to explain, predict and solve real-world problems."

Even if you do not pursue a science degree, universities and employers value Chemistry because it demonstrates resilience, problem-solving skills and logical thinking.

ENTRY REQUIREMENTS

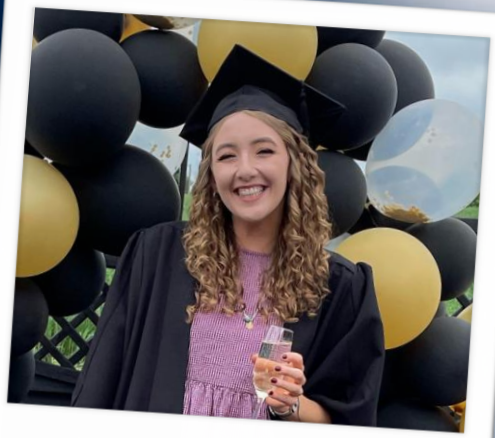
QEHS Sixth Form Admissions Criteria: A minimum of **36 points** across the best GCSE grades
Subject Entry Requirement: Grade 6 in Chemistry or **6,6** in Combined Science.

CAREERS

Chemistry is an essential requirement for applications in medicine, dentistry and veterinary studies and a highly regarded qualification.

QEHS
SIXTH FORM

Alumni Spotlight



Jessica Bedward

A former QEHS student's experience

I had a fantastic time at QEHS Sixth Form, making lifelong friendships and being inspired by the best teachers who encouraged me to pursue my passion for Chemistry.
Their support helped me turn my ambitions into reality, providing the foundations for me to progress to PhD research, exploring quantitative enzymatic assays for haemoglobin detection. I will always be grateful for the incredible support, encouragement and opportunities I received here

Studied at QEHS: **2011 - 2018**

Subjects: Chemistry, Biology and Maths

Next steps: **University of Edinburgh**, Chemistry MSc

PhD student, Durham University, Exploring Quantitative Enzymatic Assays for Haemoglobin Detection.