



Oxford Cambridge and RSA

## **OCR Level 2 Cambridge Technical Extended Certificate in Science (601/0577/X)**

### **Overview**

This qualification is designed for students aged 16-19 years old wanting to study in preparation for employment in science related profession, such as laboratory assistant or science researcher.

In order to take this qualification students do not need any specific knowledge or skills related to the qualification and/or occupation. However, they should be aged 16 years or over.

This qualification has been designed so that it can be delivered in one year.

### **What does this qualification cover?**

Cambridge Technicals in Science aim to prepare students for a wide range of career opportunities in this sector, such as technician roles in the pharmaceuticals, environmental sciences and medical sectors.

It includes a wide range of units, at Level 2, which cover the traditional disciplines of biology, chemistry and physics, while also considering new innovations in these areas. The qualifications provide a scientifically strong foundation for students entering the workplace, with both a robust theoretical background and the development of secure practical skills (at technician level) that transfer into the modern workplace.

We've designed this qualification so that schools and Colleges can work with employers to create assignments for students to demonstrate they can put their skills and knowledge to use. For example, this may be to create something, solve a problem or find ways to improve something that would be typical of what happens in jobs in the science industry. Employers can also get involved in teaching, from explaining the theories behind science principles and concepts and how they apply to the work they do to talking about what to think about before starting an experiment.

### **What could this qualification lead to?**

Students may choose to seek employment in a number of technician roles in the science sector.

This qualification will provide students with the opportunity to progress on to a Science Apprenticeship at an Advanced level.

If the student is taking a three year study programme this qualification can be taken in the first year and complement a range of Tech Level qualifications at Level 3 that the student might go on to take in the second and third years, such as Tech Levels in scientific occupations.