



CAMBRIDGE TECHNICAL IN SCIENCE (2012)

**Level 2 Certificate/Extended Certificate/Diploma
– 05783, 05785, 05788**

WHAT ARE CAMBRIDGE TECHNICALS?

Cambridge Technicals are vocational qualifications at Level 2 and Level 3. This generation of vocational qualifications has been developed and redefined to be aimed specifically at students aged 16+ and to be more relevant to further education.

Cambridge Technicals are targeted at students aged 16+ in either a school or FE environment. They allow for greater flexibility in the choice of units that make up the qualification and are wholly internally assessed.

[cambridgetechnical.org.uk](https://www.cambridgetechnical.org.uk)

SCIENCE

Cambridge Technicals in Science are vocational qualifications that build on OCR's strong reputation in science education. The science sector continues to innovate and grow, and Cambridge Technicals in Science aim to prepare students for a wide range of career opportunities in this sector, such as technician roles, NHS, telecommunications and animal care.

Cambridge Technicals in Science include 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.

SCIENCE LEVEL 2

Unit	Certificate 15 credits GLH 90	Extended Certificate 30 credits GLH 180	Diploma 60 credits GLH 360
Science of the Earth	10	10	10
Processing and presenting data in science	5	5	5
Research and development in science	5	5	5
Practical techniques in science	5	5	5
Communicating science	5	5	5
Careers in science	5	5	5
Food production	10	10	10
Science of health	10	10	10
Human behaviour	10	10	10
Chemistry of production	10	10	10
Environmental analysis	10	10	10
Chemical design	10	10	10
Radiology	10	10	10
Physics in sport	10	10	10
Science of telecommunications	10	10	10
Minimum mandatory credits	10	10	10
Minimum optional credits	5	20	50
Total minimum credits required	15	30	60
Notes	Mandatory units are shaded. Learners must undertake the core unit (Science of the Earth = 10 credits). They can make up the rest of their qualification from the remaining 14 units.		

CAMBRIDGE TECHNICALS AT A GLANCE

- **Freedom and excitement**

You can enjoy the freedom and excitement of teaching the new Cambridge Technicals qualifications that have been developed to help you inspire your students.

- **FREE visiting moderation**

We offer two FREE moderation visits a year, providing you with supportive feedback, advice and guidance.

- **No external assessment**

We don't have external assessment in our Cambridge Technicals, providing you with the freedom to choose when to assess your students depending on their learning styles and ability.

- **FREE support materials and training**

We have FREE, high-quality support materials for all our Cambridge Technicals, which are available for you to download from [cambridgetechnical.org.uk](https://www.cambridgetechnical.org.uk). We've a diverse range of training to help you get started, prepare to teach and share best practice with other tutors/teachers of Cambridge Technicals.

- **Work experience**

Work experience can be customised to the learning style of your students and the availability of placements.

- **Minimal mandatory units**

Cambridge Technicals have minimal mandatory units, providing you and your students with the ability to consider specialist pathways and choose the units they want to study.

- **Wide range of qualifications**

Within the Cambridge Technicals suite there is a wide range of different qualification sizes to fit all learning programmes, including a 360 guided learning hours (GLH) Introductory Diploma.

- **Natural progression of grading criteria within units**

There is a natural progression through the grading criteria from Pass through to Merit and Distinction, reflecting current sector practice.

- **Funding is available as part of a 16-19 study programme**

Funding is available for Cambridge Technicals.

QUALIFICATION SIZES

Cambridge Technicals 2012 qualifications are on the RQF, the structure requirements are based on accumulating credits.

Level 2

OCR Cambridge Level 2 Certificate
in Science 15 credits

OCR Cambridge Level 2 Extended
Certificate in Science 30 credits

OCR Cambridge Level 2 Diploma
in Science 60 credits

KEEP IN TOUCH

Visit cambridgetechnical.org.uk to:

- **Sign up to teach** – to make sure that you receive everything you need for teaching
- **Register for e-alerts** – you can register to be the first to hear about new developments, including new resources and subjects.

CONTACT US

Staff at the OCR Customer Support Centre are available to take your call between 8am and 5.30pm, Monday to Friday.

We're always happy to answer questions and give advice.

Telephone 02476 851509

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cambridgetechnical.org.uk