

Cambridge Secondary 2

Cambridge
IGCSE



CAMBRIDGE
International Examinations

Excellence in education

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About us

Cambridge International Examinations is the world's largest provider of international education programmes and qualifications for 5 to 19 year olds. We are a not-for-profit organisation and part of the University of Cambridge, one of the world's top universities and trusted for excellence in education. Our qualifications are recognised by the world's universities and employers.

Welcome to Cambridge

We understand education. More than 10 000 schools in over 160 countries are part of our Cambridge learning community. Our mission is to provide excellence in education, and our vision is that Cambridge learners become confident, responsible, reflective, innovative and engaged.

We believe in setting educational standards – and then encouraging learners to exceed them. Every year, thousands of learners use Cambridge qualifications to gain places at leading universities worldwide.

We are a division of Cambridge Assessment, a department of the University of Cambridge and a not-for-profit organisation. We invest constantly in research and development to improve our programmes and qualifications.

We develop our qualifications according to our Code of Practice and the Cambridge Approach. We are accredited as an awarding body by Ofqual (Office of Qualifications and Examinations Regulation), the UK government's regulator for awarding organisations and qualifications in England.

Benefits for you and your school

When you choose Cambridge, you create a relationship with an organisation that has an excellent

reputation as the leader in international education. Our reputation will help strengthen the status of your school, as you become part of the global Cambridge learning community.

Understanding learners' needs around the world means listening carefully to our community of schools. We are pleased that 98 per cent of Cambridge schools say they would recommend us to others.

Benefits for your learners

Cambridge programmes and qualifications have a proven reputation for being an excellent preparation for university, employment and life.

Leading universities and employers worldwide value and recognise Cambridge qualifications as evidence of academic ability. They open doors for Cambridge learners.

Together with schools we aim to develop Cambridge learners who are confident, innovative, responsible, reflective and engaged – equipped for success in the fast-changing modern world.

Over 10 000
schools are part of the
Cambridge learning
community

Cambridge programmes
and qualifications are
taken in more than
160 countries

98% of Cambridge
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Cambridge learners

The Cambridge approach supports schools to develop learners who are:

- **confident** in working with information and ideas, their own and those of others
- **responsible** for themselves, responsive and respectful of others
- **reflective** as learners themselves, developing their ability to learn
- **innovative** and equipped for new and future challenges
- **engaged** intellectually and socially, and ready to make a difference in the world.

A young woman with dark hair tied back, wearing an orange t-shirt, is smiling warmly. She is holding a white textbook with 'IGCSE Physics' written on it. The background is a bright blue sky with a wooden lattice structure visible on the right. A large blue graphic element is overlaid on the bottom left of the page.

“Students are both challenged and excited by Cambridge curricula, and are extremely well prepared to succeed at the highest levels at even the most prestigious institutions of higher learning.”

Alexander B Carter, Principal, Brentsville District High School, USA

Cambridge programmes and qualifications

Cambridge programmes and qualifications are carefully designed to engage your learners and give them solid foundations to achieve high levels of academic and personal attainment.

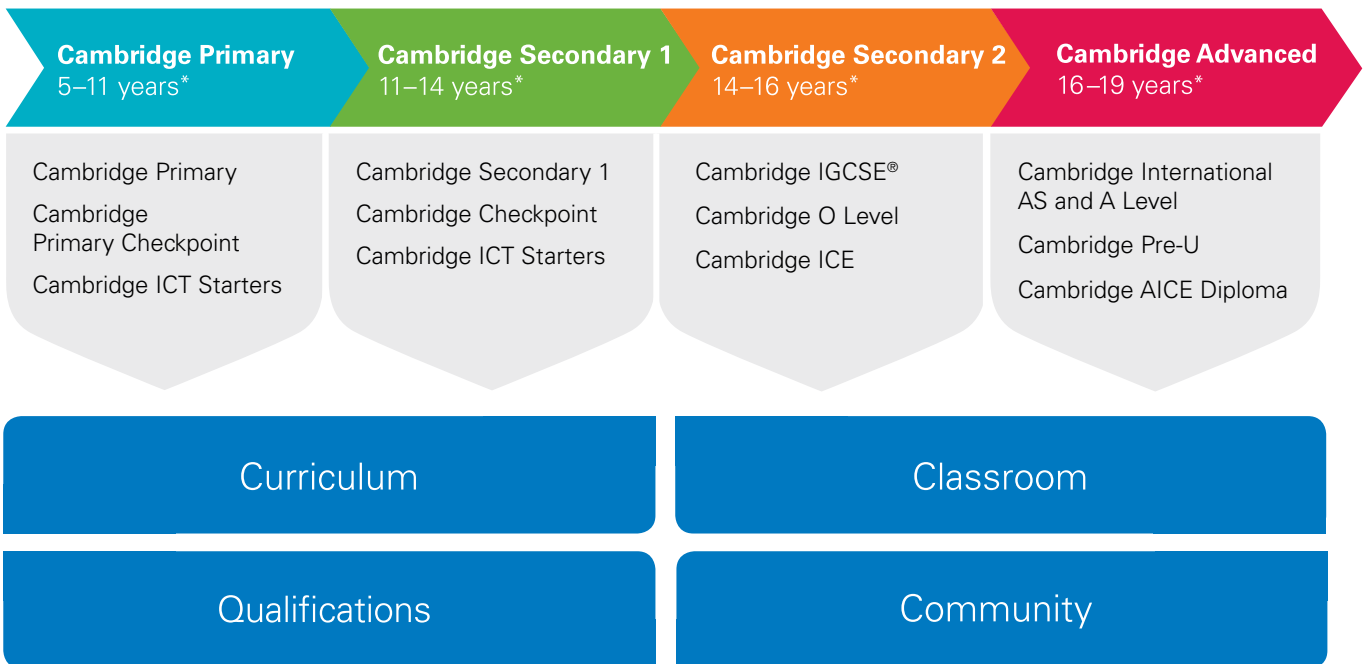
The programmes are progressive, giving you and your learners a clearly defined path to success from 5 to 19 years. Our four stages lead seamlessly from primary to secondary and pre-university years, and each stage builds on the learners' development from the previous one.

We offer flexibility, allowing you to shape Cambridge curricula to the needs and abilities of your learners. You can offer our programmes and qualifications for learners at every stage, or focus on specific ones.

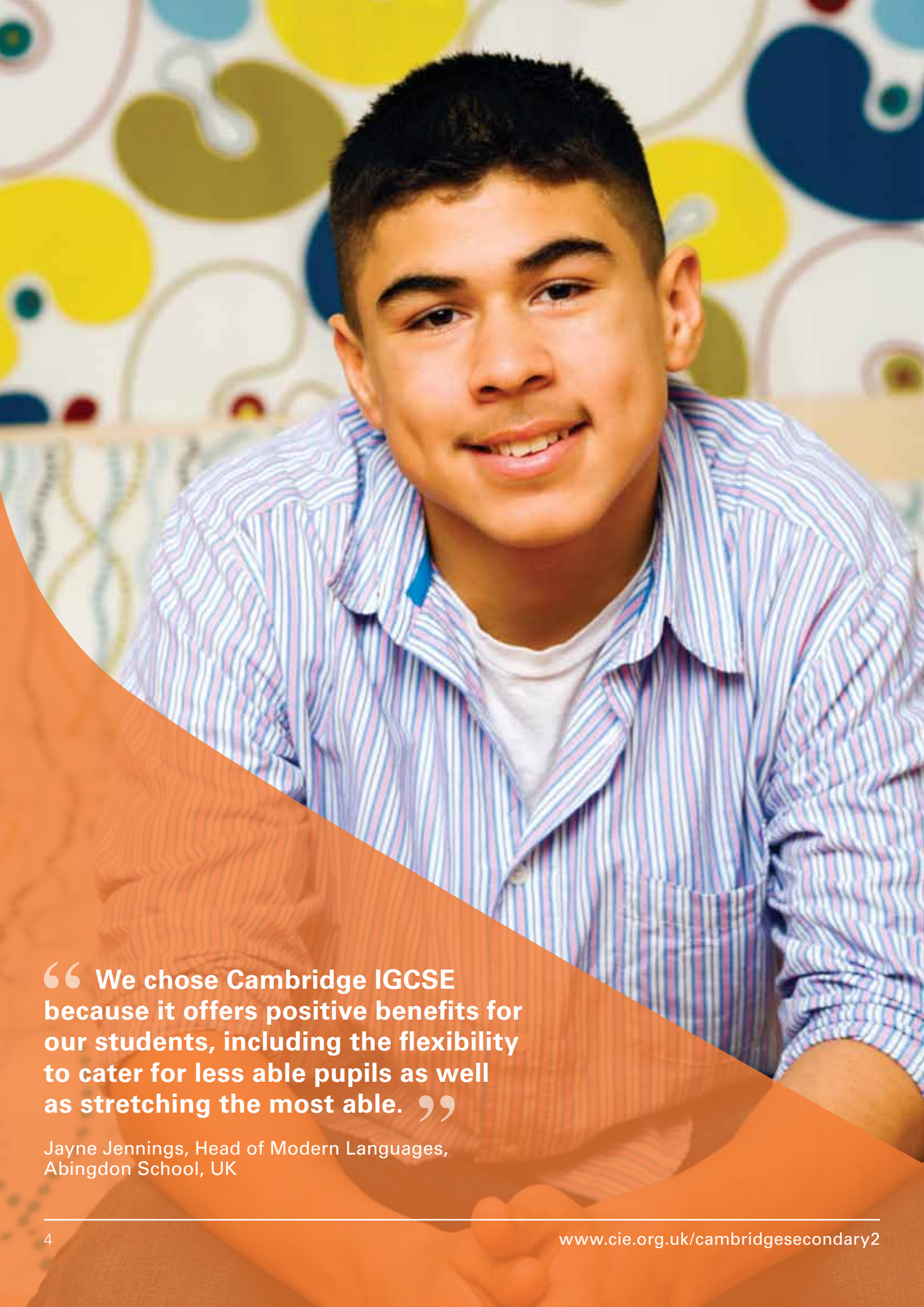
Our programmes and qualifications are compatible with other curricula, so you are free to build a unique curriculum that suits your school's values. When you register with us we will give you support and guidance on how to implement Cambridge programmes, so that you make a smooth transition.

We offer comprehensive support in four areas, designed carefully around the needs of Cambridge learners and teachers:

- **Curriculum:** develops learners' knowledge, understanding and skills. Our curriculum sets clear goals for learners and teachers.
- **Classroom:** support and guidance helps teachers and learners perform to their maximum ability. We offer world-class teacher and learner resources.
- **Qualifications:** provide learners with a global passport to success. We offer reliable, rigorous and flexible assessment, leading to internationally recognised qualifications.
- **Community:** brings Cambridge schools, teachers and learners closer together through the sharing of best practice and ideas.



**Age ranges are for guidance only*



“ We chose Cambridge IGCSE because it offers positive benefits for our students, including the flexibility to cater for less able pupils as well as stretching the most able. ”

Jayne Jennings, Head of Modern Languages,
Abingdon School, UK

Cambridge Secondary 2

Cambridge Secondary 2 is typically for learners aged 14 to 16 years. It builds on the foundations of Cambridge Secondary 1, although it is not essential to have completed that stage before beginning Cambridge Secondary 2.

Cambridge Secondary 2 includes Cambridge IGCSE – the world’s most popular international qualification for 14 to 16 year olds – and Cambridge O Level, which has been designed especially for an international audience. Both provide excellent preparation for Cambridge Advanced and for progression to other educational systems. Syllabuses support schools by using learner-centred and enquiry-based approaches to learning. They describe the knowledge, understanding and skills learners will develop and explain how these will be assessed.

Cambridge IGCSE

We developed the International General Certificate of Secondary Education (IGCSE) over 25 years ago. It now attracts almost 500 000 entries every year from over 140 different countries.

Our curriculum

With its 70 subjects, available in any combination and including more than 30 languages, the Cambridge IGCSE curriculum offers a variety of routes for learners with a wide range of abilities, including those whose first language is not English. It develops learner knowledge, understanding and skills in:

- subject content
- applying knowledge and understanding to new as well as familiar situations
- intellectual enquiry
- flexibility and responsiveness to change
- working and communicating in English
- influencing outcomes
- cultural awareness.

Schools worldwide have been – and continue to be – involved in the development of Cambridge IGCSE, so we are confident it represents the best possible international education for 14 to 16 year olds.

The syllabuses are international in outlook, but retain a local relevance. They have been created specifically for an international student body with content to suit a wide variety of schools and avoid cultural bias. The content, the structure and the administrative support mean Cambridge IGCSE answers the needs of more and more schools worldwide.

Building your curriculum

The curriculum is at the heart of your mission and vision. So the best place to make decisions about it is within the school. We will help you make the right decisions in curriculum design, planning and delivery. Encouraging learners to engage with a variety of subjects between the ages of 14 and 16 years is fundamental to our approach.

Foundation curriculum

You can build a curriculum around the core subject groups of mathematics, science and English. Each core subject has a range of alternative syllabuses to suit each learner. For example, in science, you can offer Cambridge IGCSE Biology, Chemistry and/or Physics plus Cambridge IGCSE Sciences – Combined or Co-ordinated (Double Award) or Cambridge IGCSE Physical Science.

Broadening the curriculum

Broadening the curriculum is easy. Simply draw on the wide range of subjects to add breadth and richness to the curriculum.

For example, you can offer any of the following in addition:

- over 30 language syllabuses
- heritage studies, such as Cambridge IGCSE India Studies
- established curriculum components such as Cambridge IGCSE History or Geography.

Cross-curricular perspectives

Cross-curricular perspectives are a valuable part of learning. Making connections between subjects, skills and other dimensions creates coherence for learners, and increases motivation and engagement for teachers and students alike.

For example, Cambridge IGCSE Global Perspectives complements existing subject-based syllabuses, encourages creativity and critical thinking, and promotes a joined-up view of the world.

The world’s most popular international qualification for 14 to 16 year olds

Over 650 000 entries each year from over **140 countries**

Over 4000 schools made entries in 2012-2013 including **1500 in the UK**

Choice of over 70 subjects, including more than **30 languages**

Cambridge IGCSE subjects

Regularly updated and extended, Cambridge IGCSE provides you with a wide range of well-resourced and supported courses.

Cambridge English language and literature

Cambridge IGCSE English syllabuses are available for learners whose first language is English and for those with good English skills, but who are not native speakers. The syllabuses develop the ability to communicate clearly, accurately and effectively in both speech and writing, for study and employment.

English – First Language*

English – Second Language*

English – Literature* **NEW**

World Literature¹

¹ Available for first examination from June 2014

Cambridge mathematics

An essential subject for all learners, Cambridge IGCSE mathematics syllabuses encourage the development of mathematical knowledge as a key life skill, and as a basis for more advanced study.

Mathematics*

Mathematics – Additional

Mathematics (with coursework)

International Mathematics

Cambridge science

Students learn how science is studied and practised, and become aware that the results of scientific research can have both good and bad effects on individuals, communities and the environment.

Agriculture

Biology*

Chemistry*

Environmental Management

Physical Science

Physics*

Science – Combined

Science – Co-ordinated
(Double award)



* This syllabus is accredited for use in England, Wales and Northern Ireland as a Cambridge International Level 1/Level 2 Certificate.
For more details, go to www.cie.org.uk/igcseuk

Cambridge languages

Cambridge offers a wide range of language syllabuses, including First, Second and Foreign Language options. Learners are encouraged to enjoy and appreciate the variety of language, and to understand and respond appropriately to what they read and hear.

First Language

Afrikaans

Arabic

Bahasa **NEW**

Indonesia²

Chinese

Czech

Dutch

French

German

Japanese

Korean

Portuguese

Russian

Spanish

Thai

Turkish

Foreign Language

Arabic

Dutch²

French*

German*

Greek*

Indonesian

Italian³ * **NEW**

Japanese

Malay

Mandarin

Chinese*

Portuguese

Spanish*

Spanish –

Literature

Second Language

Afrikaans

Chinese⁴ **NEW**

Hindi* **NEW**

IsiZulu

Kazakh

Urdu⁵

² Available for first examination from June 2016

³ Available for first examination from June 2014

⁴ Available for first examination from June 2015

⁵ Available for first examination from June 2015

Cambridge humanities and social sciences

The study of Cambridge IGCSE humanities and social sciences subjects enables learners to gain a deeper insight into the different communities and cultures that exist around the world.

Bangladesh Studies

Development Studies

Economics

Geography*

Global Perspectives

History*

India Studies

Islamiyat

Latin

Pakistan Studies

Religious Studies

Sociology

Cambridge business, technical and vocational

These Cambridge IGCSE subjects introduce learners to the theory and concepts that underpin the subjects as well as providing a good opportunity to engage with the subject practically. The syllabuses provide both a solid foundation for further study at Cambridge International A Level, and an ideal preparation for the world of work and other studies.

Accounting

Art and Design*

Business Studies*

Child Development

Computer Studies⁶

Design and Technology

Drama

Enterprise*

Food and Nutrition

Information and Communication Technology*

Music*

Physical Education

Travel and Tourism

⁶ Will be replaced by Computer Science for first examination from June 2015

“ The great number and variety of Cambridge IGCSE subjects has allowed us to set up a full educational programme. I think Cambridge IGCSE is the perfect springboard to any upper secondary education. ”

Joakim Philipsen, Head of International Department,
Viborg Private Realskole, Denmark

| Resources for teachers of Cambridge IGCSE | |
|--|---|
| Syllabuses | ✓ |
| Syllabus and support DVD | ✓ |
| Teacher guides and/or schemes of work | ✓ |
| Textbooks and resources from publishers | ✓ |
| Listening CDs (languages only) | ✓ |
| Vocabulary and defined content booklets (languages only) | ✓ |
| Training – face-to-face and online | ✓ |
| Coursework training handbooks | ✓ |
| Teacher Support – secure support site | ✓ |
| Subject communities and discussion forums | ✓ |
| 'Ask the Examiner' question and answer sessions | ✓ |
| Online help – frequently asked questions www.cie.org.uk/help | ✓ |
| Past/specimen question papers | ✓ |
| Mark schemes | ✓ |
| Examiner reports | ✓ |
| Example candidate responses (standards booklets) | ✓ |
| For more details of the support we offer to schools, see page 10. | |

Classroom support for teachers and learners

A wide range of support resources for teachers and learners is available for Cambridge IGCSE. Resources suit a variety of teaching methods in different international contexts. Teachers can access these resources once their school becomes a registered Cambridge school.



Our qualifications

University recognition

Many universities worldwide require a combination of Cambridge International A Levels and Cambridge IGCSEs to meet their entry requirements. For example, leading US and Canadian universities require Cambridge International AS and A Levels, but some US and Canadian colleges and universities will accept learners with five Cambridge IGCSEs at grade C or above.

In the UK, Cambridge IGCSE is accepted as equivalent to the GCSE. Many UK universities look at Cambridge IGCSE grades, as well as predicted grades for Cambridge International A Level, when making admissions decisions.

It is essential that your students can communicate effectively in English and are able to do so in an academic environment. Cambridge IGCSE

English Language qualifications are recognised by a good number of UK universities as evidence of English language competency for university study. It is advisable to check the English language requirements of each university students are interested in applying to, prior to making any applications.

For more information about recognition of Cambridge qualifications, including a database of institutions that accept them, go to www.cie.org.uk/recognition

Assessment

Assessment takes place at the end of the course and gives you options to suit your learners, including written, oral, coursework and practical assessment. This broadens opportunities for students to

demonstrate their learning, particularly when their first language is not English. With a tiered structure in many subjects for different ability levels, learners of all abilities are assessed positively and bright individuals have the chance to excel. The grades awarded at Cambridge IGCSE are A*–G, with A* being the highest.

Group awards

Cambridge ICE is a group award for Cambridge IGCSE, particularly popular in the US and South America. It allows you to offer a broad and balanced curriculum by recognising the achievements of learners who pass examinations in at least seven subjects, including two languages, and one subject from each of the other subject groups: humanities and social sciences, science, mathematics, and creative, technical and vocational.



“ I strongly believe that Cambridge has provided an unparalleled learning experience and a global platform for all my students. ”

**Dr Vandana Lulla, Director/Principal,
Podar International School, India**

Support for Cambridge teachers

We offer a wide range of support resources to help teachers plan and deliver our programmes and qualifications.

Secure online support

We offer free, secure online support to Cambridge teachers.

Teacher Support

An online resource bank and community forum where teachers can access thousands of Cambridge support resources, exchange lesson ideas and materials, and join subject-specific discussion forums.

Assessment tools

We provide dedicated online support to schools registered to offer Cambridge Primary and Cambridge Secondary 1. Teachers can download progression tests and use results analysis tools to monitor learners' progress.



Ask the Examiner seminars

These sessions take place on Teacher Support after exam results have been released, giving teachers an opportunity to ask examiners any questions they have about the series.

Teaching resources

Our teaching and learning resources help teachers plan and deliver Cambridge programmes.

Syllabus (or curriculum framework)



The most important documents teachers will use. They describe what learners need to know, what they must be able to do, and how they will be assessed.

Schemes of work



A medium-term plan that gives ideas on how teachers might deliver the course.

Teacher guides



Some subjects have teacher guides which provide extra guidance on planning and teaching.

Textbooks and publisher resources



We publish lists of resources to support teaching, including textbooks and websites. Some of these resources are endorsed by Cambridge International Examinations, which means we have quality checked them and judge them to match the syllabus well.

Example candidate responses (standards booklets)



Real candidate answers are shown alongside examiner comments so teachers can see the level of performance needed to achieve each grade.



Exam preparation materials

We provide information after each exam series to help teachers understand the standard of Cambridge exams and prepare learners effectively.

Past question papers



We publish past papers for each subject. Great for giving learners practice at answering different types of question.

Examiner reports



Our principal examiners write detailed reports describing learners' overall performance on each part of the question. The reports give insight into common misconceptions shown by learners, which teachers can address in lessons.

Grade thresholds



These show the minimum number of marks learners needed to achieve in order to be awarded a particular grade.

Mark schemes



These help teachers understand how marks are awarded for each question and what examiners look for when they mark.



Professional development

Our comprehensive professional development programme includes training courses and qualifications for teachers at different stages of their careers.



Face-to-face training workshops

We hold workshops around the world to support teachers in delivering Cambridge syllabuses and developing their skills.

Online training

We offer self-study and tutor-led online training courses via our virtual learning environment. A wide range of syllabus-specific courses and skills courses is available. We also offer training via video conference and webinars, so our trainers can deliver a face-to-face training experience anywhere in the world.

Cambridge Professional Development qualifications

We provide qualifications for teachers and trainers who want to develop their thinking and practice. Find out more at www.cie.org.uk/professionaldevelopment



Join the Cambridge community

Join our community and be part of a global network of more than 10 000 schools in over 160 countries.

When you become a Cambridge school, you join a worldwide education community. Our range of activities includes community events for Cambridge school leaders and heads of department, professional development events including our annual Cambridge Schools Conference, workshops with

Cambridge experts where you can learn at your own pace, and online 'Ask the Examiner' question and answer sessions. You have free and unlimited access to Teacher Support, our secure online support for Cambridge teachers where you can share resources and ideas, get access to Cambridge experts and explore

discussion forums. You can also use our LinkedIn group to network with Cambridge teachers.

Learners have access to online resources such as revision guides and sample questions. We also have a Facebook page where learners can take part in debate, with Cambridge and with each other.

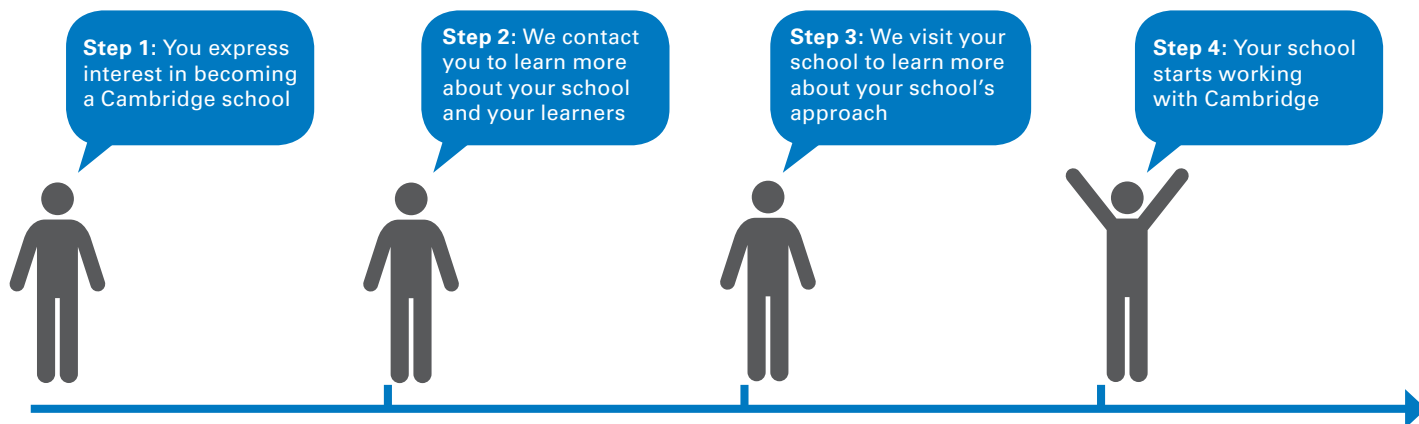
“ Cambridge gives clear guidelines and progressive objectives to help teachers optimise student learning at each stage. This makes coordination amongst staff members easier and the gap between stages no longer exists. ”

Jean Gerardi, Teacher, St. Gregory's College, Argentina

What next?

If you would like to take Cambridge programmes and qualifications, and are already a Cambridge school, please contact us – our details are below. If you are not a Cambridge school already, you need to register first. There are four simple steps and we will guide you.

Become a Cambridge school



You can find more information on our website: www.cie.org.uk/startcambridge

Start working with us

On completing the registration process, we will send you a *Welcome to Cambridge* pack. This contains a wide range of support materials to get you started.

Classroom support

You will receive a range of excellent support for teachers and learners, to help deliver Cambridge education programmes and qualifications in every classroom.

Implementing the Cambridge curriculum

We have produced a guide to help school leaders implement the curriculum with Cambridge. Find it at www.cie.org.uk/curriculumguide

Fees

We charge each school an annual registration fee, plus fees for each examination entry.

Marketing support

To help you make the most of your association with Cambridge, we will provide your school with marketing materials as part of the *Welcome to Cambridge* pack. We will also give you access to Marketing Resources, a secure area of our website, where you can download posters, logos and factsheets to help you talk to parents about Cambridge.

Administration support

You will be able to use CIE Direct, our online tool for exams officers, which allows you to communicate securely with us and exchange all administrative information, including exam entries and results, entry instruction booklets and other documentation. You can always contact us if you need help, or simply have a question that's on your mind. We're pleased to say that our customer service is rated as the best in its class.

Learn more!

Getting in touch with Cambridge is easy:
Email: info@cie.org.uk Call: +44 (0)1223 553554
Visit: www.cie.org.uk

Sign up for email alerts

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