

Cambridge mathematics

Cambridge
IGCSE

Cambridge
Pre-U

Mathematics
Mathematics
(with coursework)
Additional Mathematics
International Mathematics
Mathematics (Statistics
with Pure Mathematics)
Further Mathematics



CAMBRIDGE
International Examinations

Excellence in education

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About us

Cambridge International Examinations prepares school students for life, helping them develop an informed curiosity and a lasting passion for learning. We are part of Cambridge Assessment, a department of the University of Cambridge.

Our international qualifications are recognised by the world's best universities and employers, giving students a wide range of options in their education and career. As a not-for-profit organisation, we devote our resources to delivering high-quality educational programmes that can unlock learners' potential.

We are the world's largest provider of international education programmes and qualifications for 5 to 19 year olds

Over 10000 schools are part of the Cambridge learning community

Cambridge programmes and qualifications are taken in more than **160 countries**

98% of Cambridge schools would recommend us to others

Cambridge IGCSE®

Cambridge
IGCSE

Cambridge IGCSE is the world's most popular international qualification for 14 to 16 year olds. It is taken by students in over 140 countries around the world.

Over 2500 schools in the UK are now teaching Cambridge IGCSE and it continues to gain popularity with more and more joining the Cambridge community.

Benefits for you and your school

Cambridge teachers tell us that Cambridge IGCSEs are flexible and stimulating to teach. We design the syllabuses so that they can be taught holistically, with exams at the end. This gives you freedom to plan lessons over time, and flexibility to adapt your teaching along the way – bringing in topical issues, or returning to key concepts to check students' understanding.

Our assessments test knowledge and understanding across the whole course. This approach has a positive impact on teaching and learning because it requires students to make links between topics, gaining a full understanding of the subject.

Cambridge IGCSE gives students excellent preparation for further study. Schools tell us it prepares students extremely well for Cambridge International A Level and Cambridge Pre-U by developing a solid foundation of knowledge and skills.

Benefits for your students

Teachers tell us that the extra level of flexibility in the Cambridge IGCSE

curriculum and assessment makes the subject more enjoyable for students. The linear structure of the assessment allows students more time to develop their ideas, and gain an all-round understanding of the subject. Cambridge IGCSE helps develop skills in creative thinking, enquiry and problem solving.

Cambridge IGCSE is an international passport to progression and success. It provides the perfect springboard to the Cambridge Advanced stage, typically for students who are aged 16 to 19 years, who are studying Cambridge International A Levels, Cambridge Pre-U, the International Baccalaureate diploma and other post-16 routes.





Cambridge IGCSE mathematics syllabuses

Our Cambridge IGCSE mathematics syllabuses offer a variety of routes for learners with a wide range of abilities. They enable students to gain skills that will be used every day and last a lifetime.

Students not only gain confidence about the knowledge they have acquired, but also gain satisfaction and enjoyment in both their learning and use of mathematics.

Cambridge IGCSE mathematics qualifications provide an excellent foundation for students who:

- want to continue their studies at a higher level (including Cambridge International AS or A Level, Cambridge Pre-U and beyond)
- need a mathematics qualification to complement other subjects they are studying
- need a final qualification in mathematics.

Core and extended curriculum

Students follow a core curriculum. For Cambridge IGCSE Mathematics and Cambridge IGCSE International Mathematics, teachers can also stretch their students with an extended curriculum. Students can change level during the course according to their progression.

Core curriculum-only students are eligible for grades C to G. Extended curriculum students are eligible for grades A* to E.

Assessment

Assessment takes place at the end of the course and gives you options to suit your students.

With a tiered structure for different ability levels, students of all abilities are assessed positively and bright individuals have the chance to excel. Grades are benchmarked using eight internationally recognised grades from A* to G, which have clear guidelines to explain the standard of achievement.

Current syllabuses

The summaries on the following pages are taken from the syllabuses for examination in 2016. It is important to consult the syllabus for each subject on our website at www.cie.org.uk and to contact us with any questions you may have about the suitability of Cambridge IGCSE or the Cambridge International Level 1/Level 2 Certificate for your school.

Cambridge IGCSE mathematics: Funding and league tables

Many Cambridge IGCSE syllabuses, including mathematics, are approved by Ofqual and funded for teaching in state schools in England and Northern Ireland. They are included in the UK government's school performance tables.

Cambridge IGCSE Mathematics (0580) also counts towards the English Baccalaureate (Ebacc).

When a Cambridge IGCSE is approved for regulation by Ofqual, it appears on the Register of Regulated Qualifications as a Cambridge International Level 1/Level 2 Certificate. This is the official title for all Cambridge IGCSEs approved by Ofqual.

The content of the Cambridge International Level 1/Level 2 Certificate is identical to the Cambridge IGCSE Mathematics (0580) syllabus.

Check the Department for Education website at www.education.gov.uk for the latest information on our Ofqual-approved qualifications and updates on which qualifications count towards performance league tables.

Subject	Funded for teaching in state schools	Counts towards Ebacc
Cambridge IGCSE Mathematics (0580)	✓	✓
Cambridge IGCSE Additional Mathematics (0606)		
Cambridge IGCSE International Mathematics (0607)		



Cambridge IGCSE Mathematics

Syllabus code 0580

An essential subject for all students, Cambridge IGCSE Mathematics encourages the development of mathematical knowledge as a key life skill, and as a basis for more advanced study.

The syllabus aims to build students' confidence by helping them develop a feel for numbers, patterns and

relationships, and places a strong emphasis on solving problems and presenting and interpreting results.

Students also learn how to communicate and reason using mathematical concepts.

Syllabus content

Students will need an electronic calculator for all papers. Algebraic or graphical calculators are not permitted.

All candidates will study the following topics:

- | | | |
|-----------------------|-------------------------|---------------------------------|
| 1. Number | 4. Mensuration | 7. Matrices and transformations |
| 2. Algebra and graphs | 5. Co-ordinate geometry | 8. Probability |
| 3. Geometry | 6. Trigonometry | 9. Statistics |

Cambridge IGCSE (9–1) syllabuses

We have developed a new Cambridge IGCSE Mathematics for first teaching in September 2015 and first examination in 2017.

It offers the same breadth and depth as the reformed GCSEs in

England and has a 9–1 grading scale.

The non-regulated version of this syllabus will continue to be available and will remain graded A*–G

To find out more, visit www.cie.org.uk/igcseuk

“ Our school curriculum has become more varied in recent years to suit the needs and interests of our students. The Mathematics department argued that IGCSE Maths would be more suitable for our students than conventional GCSE, a better preparation for A Level and a greater challenge. ”

Michael Punt, Former Academic Deputy Head, Perse School, Cambridge, UK



Cambridge IGCSE Mathematics and Cambridge International Level 1/Level 2 Certificate Mathematics assessment

Syllabus code 0580 (examination in 2016)

Core curriculum Eligible for grades C to G			Extended curriculum Eligible for grades A* to E		
Paper 1 Short-answer questions	1 hour	35%	Paper 2 Short-answer questions	1.5 hours	35%
Paper 3 Structured questions	2 hours	65%	Paper 4 Structured questions	2.5 hours	65%

Cambridge IGCSE Additional Mathematics

Syllabus code 0606

Cambridge IGCSE Additional Mathematics is for students who want to develop and stretch themselves in mathematics – typically students likely to achieve grade A* to B in Cambridge IGCSE Mathematics or equivalent. It is only available at extended level and grades A* to E are available.

It enables students to extend the mathematical skills, knowledge and understanding developed in the Cambridge IGCSE Mathematics course and use skills in the context of more advanced techniques.

Syllabus content focuses on Pure Mathematics, which gives students an excellent foundation for mathematics at A Level, Cambridge Pre-U and beyond. Knowledge of the content of Cambridge IGCSE Mathematics or equivalent is assumed.

Cambridge IGCSE Additional Mathematics is not funded for teaching in state schools.

Syllabus content

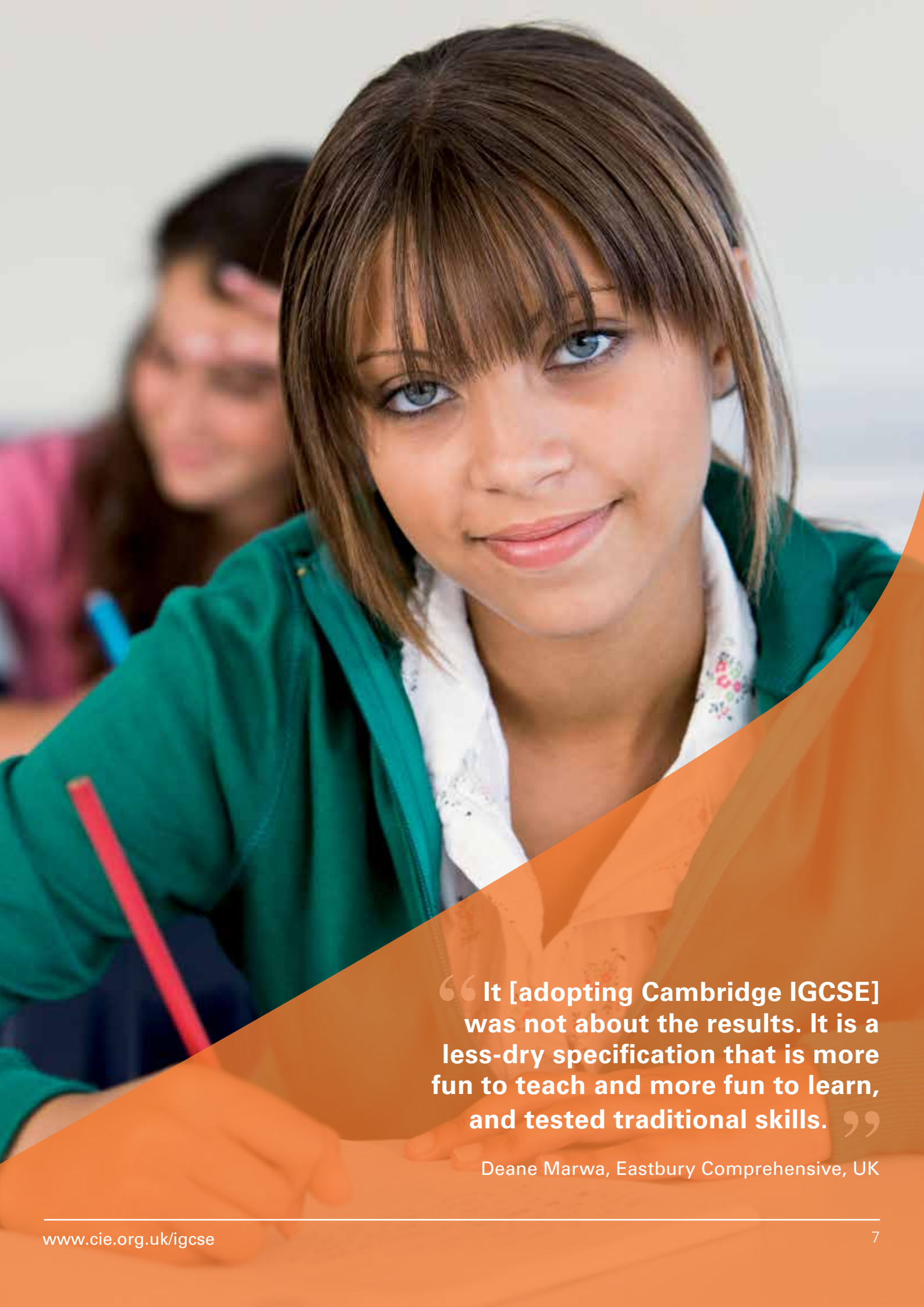
- set language and notation
- functions
- quadratic functions
- indices and surds
- factors of polynomials
- simultaneous equations
- logarithmic and exponential functions
- straight line graphs
- circular measure
- trigonometry
- permutations and combinations
- binomial expansions
- vectors in two dimensions
- matrices
- differentiation and integration.



Cambridge IGCSE Additional Mathematics assessment

Syllabus code 0606 (examination in 2016)

Component	Exam duration	Weighting
Paper 1 10–12 questions of various lengths No choice of question	2 hours	50%
Paper 2 10–12 questions of various lengths No choice of question	2 hours	50%



“ It [adopting Cambridge IGCSE] was not about the results. It is a less-dry specification that is more fun to teach and more fun to learn, and tested traditional skills. ”

Deane Marwa, Eastbury Comprehensive, UK

Cambridge IGCSE International Mathematics

Syllabus code 0607

The introduction of Cambridge IGCSE International Mathematics offers schools even more choice when it comes to selecting a mathematics course that is right for their students.

Cambridge IGCSE International Mathematics has been designed in response to requests from schools for a course that focuses more on investigations and modelling, and which better utilises the powerful technology of graphical calculators.

The course integrates well with the approach to teaching of mathematics in IB schools and is divided into core and extended tiers.

Cambridge IGCSE International Mathematics is not funded for teaching in state schools.

Syllabus content

- number
- algebra
- functions
- geometry
- transformations
- mensuration
- co-ordinate geometry
- trigonometry
- sets
- probability
- statistics.





Cambridge IGCSE International Mathematics assessment

Syllabus code 0607 (examination in 2016)

Core curriculum Eligible for grades C to G			Extended curriculum Eligible for grades A* to E		
Paper 1 Short-answer questions	45 mins	40 marks: 25% of assessment	Paper 2 Short-answer questions	45 mins	40 marks: 20% of assessment
Designed to assess knowledge and use of basic skills and methods. No calculators permitted. Any part of the syllabus content may be present in this paper but questions will focus on concepts that can be assessed without access to a calculator.			Designed to assess knowledge and use of basic skills and methods. No calculators permitted. Any part of the syllabus content may be present in this paper but questions will focus on concepts that can be assessed without access to a calculator.		
Paper 3 11–15 medium to long-answer questions. A graphics calculator is required.	1 hour 45 mins	96 marks: 60% of assessment	Paper 4 11–15 medium to long-answer questions. A graphics calculator is required.	2 hours 15 mins	120 marks: 60% of assessment
Paper 5 One investigation question. A graphics calculator is required.	1 hour	24 marks: 15% of assessment	Paper 6 One investigation and one modelling question. A graphics calculator is required.	1 hour 30 mins	40 marks: 20% of assessment
Learners are assessed on their ability to investigate and solve a more open-ended question. Clear communication and full reasoning are especially important and mark schemes reflect this. An extended time allowance is given to allow students to explore and communicate their ideas fully.			Learners are assessed on their ability to investigate, model and solve more open-ended problems. Clear communication and full reasoning are especially important and mark schemes reflect this. An extended time allowance is given for this paper to allow students to explore and communicate their ideas fully.		

Classroom support for teachers and students

Our ethos of excellence in education extends to support and services, to help you deliver engaging and effective courses, and develop as a professional.

Teacher resources

We have a wealth of teaching and learning resources to help you plan and deliver the programme. They suit a wide range of teaching methods and different educational contexts and include:

- recommended textbooks
- recommended workbooks
- mapping documents to explain how the resources support teaching
- teaching schemes and lesson plans
- assessment tools.

The assessment tools, including mark schemes, examiner reports, previous examination papers and global learner performance statistics by grade and subject enable you to provide valuable feedback, to identify learner strengths and weaknesses, before final assessment.

We offer fast, simple, reliable and friendly administration. Schools receive comprehensive help from Cambridge Customer Services and UK Schools Development teams.

Teacher Support

We offer a secure support website for Cambridge teachers. Access is free for Cambridge schools. Here you will find all the materials you need to teach our syllabuses, including past question papers, mark schemes, examiner reports, and lesson plans and schemes of work.

Cambridge Professional Development for teachers

We offer regular training workshops for Cambridge IGCSE syllabuses. Online training is also available, increasing access for teachers who have limited time or are a long way from training events.

We also provide Professional Development qualifications for teachers. They help develop teachers' thinking and practice and build the knowledge and skills they need to help learners succeed with Cambridge.

What resources are available for Cambridge IGCSE mathematics teachers?

- Regular training
- Online training
- Subject communities and discussion forums
- Syllabuses
- Teacher guides and schemes of work
- Coursework training handbooks
- Syllabus and Support Materials DVD
- Textbooks and resources from publishers
- Secure support website
- Online help – frequently asked questions
www.cie.org.uk/help
- Past question/specimen papers
- Mark schemes
- Examiner reports
- Example candidate responses (*Standards Booklet*)
- 'Ask the Examiner' question and answer sessions.

Cambridge IGCSE recognition

University recognition

In the UK, Cambridge IGCSE and the Cambridge International Level 1/ Level 2 Certificate are accepted by universities as equivalent to the GCSE, and are regularly used to choose between higher education applicants.

Many universities worldwide require a combination of A Levels (or their equivalent) and Cambridge IGCSEs to meet their entry requirements.

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



Cambridge IGCSE: A great foundation for further study

Cambridge IGCSE is used worldwide as preparation for a range of post-16 courses, including:

- Cambridge Pre-U
- Cambridge International AS & A Level
- UK A Level
- International Baccalaureate diploma.

Cambridge Pre-U is becoming popular in the UK in both state and independent schools. Many of the features that schools like about Cambridge IGCSE are also common to both Cambridge Pre-U and Cambridge International AS & A Levels, such as the linear structure and increased time for teaching, a focus on independent study skills and the opportunity to tailor the course to the strengths and interests of the students.

In the UK, a number of schools offer both Cambridge IGCSE and Cambridge Pre-U. They tell us that students who have studied Cambridge IGCSE make the change up to Cambridge Pre-U with relative ease, and that Cambridge Pre-U then equips students with the skills and confidence to study their chosen subject at undergraduate level.

Read on for more information about Cambridge Pre-U, or visit www.cie.org.uk/cambridgepreu



“ This [Cambridge Pre-U Mathematics] is a good preparation for the mathematical and statistical aspects of degrees in Biology, Zoology, Genetics etc. ”

University of Nottingham

Cambridge Pre-U

Cambridge Pre-U is an exciting qualification for 16 to 19 year olds who want to go to university.

It equips students with the knowledge and skills they need to make a success of their undergraduate studies:

- a solid and coherent grounding in specialist subjects at an appropriate level
- the ability to undertake independent and self-directed learning
- the ability to think laterally, critically and creatively and communicate effectively.

Cambridge Pre-U Principal Subjects and Short Courses are stand-alone qualifications, recognised by universities and attracting a rewarding UCAS tariff. They are compatible with A Levels and may be taken in combination with them.

For Cambridge Pre-U Principal Subjects, students take all examination components at the end of a two-year programme of study, and we assess them at the full Cambridge Pre-U standard.

Common characteristics of Cambridge Pre-U syllabuses

- **Design:** focused on the development of high-level knowledge, understanding and skills to prepare for university and beyond, through extensive consultation with teachers, students and universities.
- **Stretch:** built into syllabus content (380 guided learning hours and challenging concepts), assessment (open-ended questions) and grading outcomes (finer differentiation at the top end).
- **Innovation:** new approaches to subjects, greater freedom in subject combination, new topics, new methods of delivery and new forms of assessment.
- **Progression in learning:** Cambridge Pre-U builds on prior knowledge gained at 14–16, where appropriate, and develops broad generic skills (independent study and research skills). Students are better prepared for undergraduate study.
- **Linearity:** assessment at the end of the course makes for greater coherence in teaching and learning.

For Cambridge Pre-U Short Courses, students take all examination components at the end of a one-year programme of study. A Short Course grade does not contribute to a Principal Subject result. In this sense, a distinctive feature of Cambridge Pre-U is linearity.

Subject	Approved by Ofqual	Funded for teaching in state schools	Counts towards sixth form league tables
Mathematics	✓	✓	✓
Mathematics Short Course	✓	✓	✓
Further Mathematics	✓	✓	✓
Further Mathematics Short Course	✓	✓	✓
Mathematics (Statistics with Pure Mathematics) Short Course	✓	✓	✓

Cambridge Pre-U Mathematics and Further Mathematics Principal Subjects

Syllabus codes 9794 and 9795

Cambridge Pre-U Mathematics and Further Mathematics give students an excellent foundation for using mathematics in higher education courses or other career pathways. They lead students to acquire skills they can apply in a wide range of contexts.

We have designed Cambridge Pre-U Mathematics and Further Mathematics to encourage teaching and learning which enable students to develop a positive attitude towards the subject. The courses develop an understanding of mathematics and mathematical processes in a way that promotes confidence and enjoyment.

Curriculum

In both courses, students are expected to develop parallel strands of mathematics – Pure Mathematics and Applications of Mathematics – and we encourage them to understand how the different branches of mathematics interconnect. We ask students to apply their mathematical knowledge in the contexts of both Mechanics and Probability, and we present them with less familiar scenarios.

Cambridge Pre-U Mathematics and Further Mathematics enable students to:

- develop a range of mathematical skills and techniques, appreciating their applications in a wide range of contexts, and to apply these techniques to problem solving in familiar and less familiar contexts
- develop an understanding of how different branches of mathematics are connected
- recognise how a situation may be represented mathematically and understand how mathematical models can be refined
- use mathematics as an effective means of communication, through the use of correct mathematical language and notation and through the construction of sustained logical arguments, including an appreciation of the limitations of calculator use in relation to obtaining exact solutions.



Cambridge Pre-U Mathematics Principal Subject syllabus

Syllabus code 9794 (examination in 2016)

Paper 1 and Paper 2	Pure Mathematics Quadratics Algebra Functions Coordinate geometry Circular measure Trigonometry Sequences and series Logarithms and exponentials Differentiation Integration Vector geometry Differential equations Complex numbers Numerical methods	Paper 3	Probability Analysis of data Probability laws Permutations and combinations Discrete random variables The normal distribution Mechanics Kinematics of motion in a straight line Force and equilibrium Friction Newton's laws of motion Linear momentum and impulse Motion of a projectile
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Scheme of assessment

Students taking the Cambridge Pre-U Principal Subject qualification in Mathematics take all three papers together in the same series.

Component	Title	Type of assessment	Exam duration	Weighting
Paper 1	Pure Mathematics 1	Written paper, externally set and marked	2 hours	33 $\frac{1}{3}$ %
Paper 2	Pure Mathematics 2	Written paper, externally set and marked	2 hours	33 $\frac{1}{3}$ %
Paper 3	Application of Mathematics	Written paper, externally set and marked	2 hours	33 $\frac{1}{3}$ %



Cambridge Pre-U Further Mathematics Principal Subject syllabus

Syllabus code 9795 (examination in 2016)

Paper 1 Pure Mathematics Rational functions Roots of polynomial equations Complex numbers De Moivre's theorem Polar coordinates Summation of series Mathematical induction Calculus Hyperbolic functions Differential equations Vector geometry Matrices Groups	Paper 2 Probability Poisson distribution Normal distribution as approximation Continuous random variables Linear combinations of random variables Estimation Probability generating functions Moment generating functions Mechanics Energy, work and power Motion in a circle Equilibrium of a rigid body Elastic strings and springs Simple harmonic motion Further particle dynamics Linear motion under a variable force
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Scheme of assessment

Students taking the Cambridge Pre-U Principal Subject qualification in Mathematics take both papers together in the same series.

Component	Title	Type of assessment	Exam duration	Weighting
Paper 1	Further Pure Mathematics	Written paper, externally set and marked	3 hours	50%
Paper 2	Further Applications of Mathematics	Written paper, externally set and marked	3 hours	50%



“ The main difference that I have found in learning is that I get a lot more enthusiasm from my Cambridge Pre-U class and I think that is largely to do with the fact that they know that they don't have an exam just around the corner... they are more open to asking more explorative questions. ”

James Stewart Cox, Mathematics Teacher, Norton Hill School

Cambridge Pre-U Mathematics (Statistics with Pure Mathematics) Short Course

Syllabus code 1347

Cambridge Pre-U Short Courses allow students to broaden their learning beyond their major subject specialisms. They are one-year courses (180 guided learning hours), designed to follow GCSE or IGCSE.

Understanding mathematical concepts is vital for success on many degree courses. That's why we have consulted closely with teachers and universities about a new mathematics course to support students studying other subjects, such as biology, chemistry, economics, geography and business. It will help students applying for university by showing they can deal confidently with the mathematical concepts that complement their chosen degree course.

Curriculum

Cambridge Pre-U Mathematics Short Course enables students to:

- develop a range of mathematical skills and techniques, appreciating their applications in a wide range of contexts, and to apply these techniques to problem solving in familiar and less familiar contexts
- recognise how a situation may be represented mathematically
- use mathematics as an effective means of communication, through the use of correct mathematical language and notation to support other subjects.

Syllabus

Syllabus code 1347 (examination in 2016)

Paper 1	Pure Mathematics Quadratics Coordinate geometry Sequences and series Logarithms and exponentials Differentiation Integration	Paper 2	Statistics Analysis of data The binomial distribution The normal distribution Sampling and hypothesis tests Confidence intervals: the <i>t</i> -distribution χ^2 tests Non-parametric tests
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Scheme of assessment

Candidates taking the Cambridge Pre-U Short Course qualification in Mathematics take both papers together in the same series.

Component	Title	Type of assessment	Exam duration	Weighting
Paper 1	Pure Mathematics	Written paper, externally set and marked	1 hour 45 minutes	45%
Paper 2	Statistics	Written paper, externally set and marked	2 hours	55%

Cambridge Pre-U Further Mathematics Short Course

Syllabus code 1348

Cambridge Pre-U Further Mathematics Short Course is for students who wish to extend their studies beyond the Mathematics Principal Subject but not as far as the Further Mathematics Principal Subject – in a similar way to students who take A Level Mathematics and AS Level Further Mathematics.

It gives students a solid grounding in pure mathematics, which will benefit them in university study of other subjects such as engineering.

Curriculum

Cambridge Pre-U Further Mathematics Short Course focuses on the Pure Mathematics topics of the Cambridge Pre-U Further Mathematics Principal Subject syllabus and enables students to:

- develop a range of mathematical skills and techniques, appreciating their applications in a wide range of contexts, and to apply these techniques to less familiar contexts
- recognise how a situation may be represented mathematically and understand how mathematical models can be refined
- use mathematics as an effective means of communication, through the use of correct mathematical language and notation and through the construction of sustained logical arguments, including an appreciation of the limitations of calculator use in relation to obtaining exact solutions.

Syllabus

Syllabus code 1348 (examination in 2016)

Paper 1	Further Pure Mathematics Rational functions Roots of polynomial equations Complex numbers De Moivre's theorem Polar coordinates Summation of series	Mathematical induction Calculus Hyperbolic functions Differential equations Vector geometry Matrices Groups
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Scheme of assessment

Candidates taking the Cambridge Pre-U Short Course qualification in Mathematics take both papers together in the same series.

Component	Title	Type of assessment	Exam duration
Paper 1	Further Pure Mathematics	Written paper, externally set and marked	3 hours

Cambridge Pre-U recognition

Reporting of achievement

Achievement is reported on a scale of nine grades:

- Distinction 1, 2 and 3
- Merit 1, 2 and 3
- Pass 1, 2 and 3.

The Distinction 3 standard is aligned to that of Grade A and the Pass 3 is aligned to that of Grade E at A Level. Distinction 1 reports achievement above an A* grade at A Level.

The intention is to differentiate more finely and extend reporting at the top end, while keeping the grading scale accessible to the full range of ability currently achieving passes at A Level.

UCAS tariff points

The table below shows the UCAS tariff awarded to each Cambridge Pre-U Principal Subject grade and how this compares with the tariff for A Level. The tariff reflects the additional content within each syllabus and the linear assessment (terminal examinations at full Cambridge Pre-U standard).

Cambridge Pre-U UCAS tariff points

Cambridge Pre-U grade	Cambridge Pre-U Principal Subject UCAS tariff	Equivalent A Level UCAS tariff	Cambridge Pre-U GPR UCAS tariff	Short Course UCAS tariff
Distinction 1	tbc	n/a	tbc	tbc
Distinction 2	145	(A*) 140	140	tbc
Distinction 3	130	(A) 120	126	60
Merit 1	115		112	53
Merit 2	101	(B) 100	98	46
Merit 3	87	(C) 80	84	39
Pass 1	73		70	32
Pass 2	59	(D) 60	56	26
Pass 3	46	(E) 40	42	20

Cambridge Pre-U is recognised by many UK universities and many universities abroad, including all US Ivy League universities. For more details, please go to www.cie.org.uk/qualifications/recognition

Support and resources for teachers

We offer a programme of free Cambridge Pre-U training for teachers accompanied by online support materials including syllabuses, specimen/past papers, mark schemes and example learner responses. A free *Teacher Guide* expands on each syllabus, to help teachers understand what students are expected to know.

It is written by a teacher for teachers and suggests for each topic:

- a checklist of what to cover with students
- resources, both paper and web based
- additional extension/'stretch and challenge' areas
- further teaching and learning opportunities.

“ There are a lot of past papers which helps us prepare our learners in more depth, and the website has lots of resources. I have been impressed with the speed with which Cambridge responds to emails. ”

Deane Marwa, Eastbury Comprehensive

Cambridge International AS & A Levels

Cambridge International AS & A Levels are internationally benchmarked qualifications providing excellent preparation for university education. Like Cambridge Pre-U, they are part of the Cambridge Advanced stage.

They are available in 60 subjects and are taken by schools around the world. These are linear courses and are recognised by universities in the UK, the US and around the world. **Please note that they are not funded for teaching in UK state schools.** Learners can choose from a range of assessment options:

Option 1	Take the Cambridge International AS Level only. The Cambridge International AS Level syllabus content is half a Cambridge International A Level programme.
Option 2	Take a 'staged' assessment route – take the Cambridge International AS Level in one examination series and complete the final Cambridge International A Level at a subsequent series.*
Option 3	Take all papers of the Cambridge International A Level course in the same examination series, usually at the end of the second year of study.

* The staged assessment route is not possible in all subjects.

Cambridge International AS & A Levels in mathematics

Subject	AS Level	A Level
Mathematics	✓	✓
Further Mathematics	✓	✓

If you would like more information about Cambridge International AS & A Levels, please visit www.cie.org.uk/alevel or email info@cie.org.uk





“ Cambridge provides a fantastic support service, on their website and also from their representatives. For me there was no one else. ”

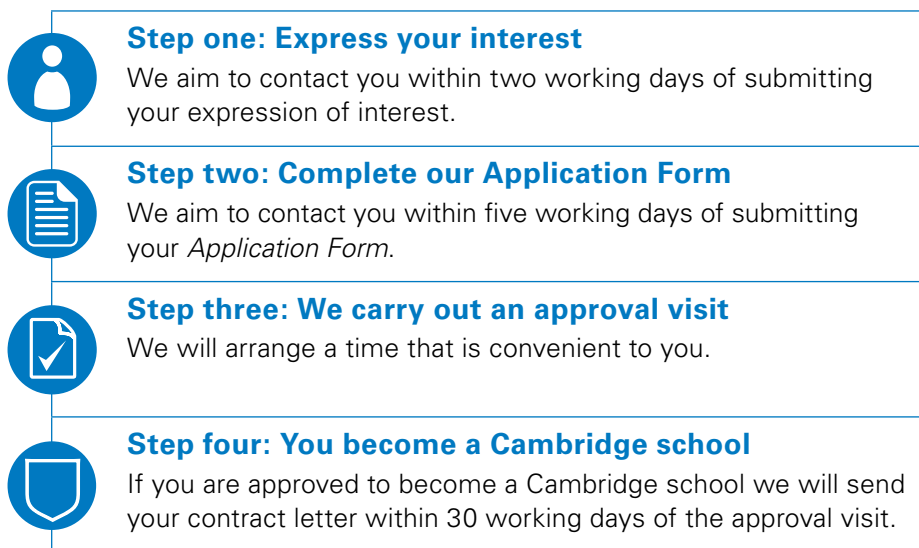
Stephen O'Connor, Headmaster, Heathfield International School

What next?

If you would like to teach one of these mathematics qualifications and are already a Cambridge school, please contact our Customer Services team – contact details are below. If your school is not already teaching Cambridge subjects, we will help you through the simple registration process.

Become a Cambridge school

There are four steps to becoming 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 range of support materials to get you started.

Administration support

You will be able to use a secure support website that 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 is on your mind. We are pleased to say that our customer service is rated as the best in its class.

Fees

We charge for each examination entry.

Talk to another school

We would be happy to put you in touch with another school teaching Cambridge IGCSE or Cambridge Pre-U.

Learn more!

Getting in touch with Cambridge is easy:

Email: info@cie.org.uk

Call: 01223 553554

Visit: www.cie.org.uk

Cambridge International Examinations
1 Hills Road, Cambridge, CB1 2EU, United Kingdom
t: +44 1223 553554 f: +44 1223 553558
e: info@cie.org.uk www.cie.org.uk

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