

## Cambridge Course Conversation

Please note that syllabus changes every year or two, and you will need to visit the online source for updates.

Course Name	Description	Prerequisites /Concerns/Graduation	Examination Information
<b>CIE Art and Design AS</b>	This course will help advanced art students prepare for college level art experiences. They will develop a portfolio in the medium of their choice. Students are expected to show a sensitive and creative response to a stimulus, the ability to develop an idea, theme or subject, and an independence in concept and execution. Students are expected to show an ability to select and control materials, processes and techniques in an informed and disciplined way to meet an objective, and select and record analytically from direct observation and personal experience. They are expected to use and compose formal elements (contour, shape, color/tone, texture, structure and the relationships between form and space) as appropriate. Students are also expected to select and communicate information relevant to an idea, subject or theme and evaluate this in a systematic way; make critical judgments and use personal ideas and images to show they are developing appreciation and cultural awareness.	<p>This course is by invitation only.</p> <p>Students who wish to have their pieces returned must pay the processing fee.</p>	<p><b>AS Exam</b></p> <p><b>Component 1</b> Students will have a series of course work submitted as proof of growth from the course they will be asked to submit up to 4 sheets of original work or studies of other's work. Time: coursework</p> <p><b>Component 2</b> Students will submit one page of course work that took place over a period of 3 weeks. Time: 15 hours over a period of 5 days to complete one piece of art.</p>

**CIE Drama  
AS/A**

The key concepts for Cambridge International AS & A Level Drama are:

- **Communication** Drama is about communicating meaning to an audience through verbal and physical performance. Such a performance requires a company of actors, designers and director to stage a production in a chosen performance space at a given time.
- **Performance processes** A performance may consist of a realisation of an existing play, an original piece of devised work, or a combination of the two. It requires all members of the company to work collaboratively to interpret or create dramatic material, to negotiate the journey through rehearsing and refining this material, and to present the final performance with confidence and authority to an audience.
- **Practical skills** The staging of a successful dramatic performance requires a wide range of well-developed practical skills. The overall theatrical vision for the performance is realised through performers playing a role bringing their characters to life, and the integral work of designers.
- **Genre, style and structure** Drama practitioners work in a style that expresses the concerns of their own times and cultures, or they adopt conventions from other contexts. They choose the genre, style and structure that best suit their dramatic intention, which may variously promote, challenge, or influence aspects of the cultures in which they live and practise.
- **Research and critical reflection** Drama practitioners use research and critical reflection to prepare, refine and evaluate their work. Research and critical reflection is the ongoing process that helps performers, directors and designers to discover what works and what does not. They need to research the work of established practitioners, estimating its significance and evaluating their own success in achieving a vision for performance.

This course is by  
invitation only.

**AS Exam**

**Component 1**

Written exam Candidates answer two questions: one question from Section A and one question from Section B. Open-book exam Externally assessed  
Time: 3 hours

**Component 2**

Practical drama There are two compulsory parts: devising and performing. Candidates work in a group to devise and perform a play based on the stimulus prescribed in the syllabus. There are two parts to the devising coursework: – 10–15 minute devised piece – 3 minute self-evaluation Candidates work in a group to prepare and perform an extract from a published play of their own choice. There is one part to the performing coursework: – 10–25 minute scripted performance Internally assessed and externally moderated.

Time: coursework

**A Exam**

**Component 3**

Theatre-making and performing Coursework. There are two compulsory parts: devising and performing. Candidates work in a group to devise and perform a play inspired by one of the theatre practitioners, traditions or styles prescribed in the syllabus. There are two parts to the devising coursework: – 15–20 minute group devised performance – 800 word analysis and evaluation Candidates individually create a programme of thematically linked materials and perform it. There is one part to the performing coursework: – 6–8 minute individual performance Internally assessed and externally moderated.

Time: coursework

			<p><b>Component 4</b> Theatre in context. Candidates explore performance texts, a theatre genre, a theatre practitioner's work or a performance style. There is one part to the research coursework: – 2500–3000 word research essay Externally assessed Time: coursework</p>
<b>CIE Music AS/A</b>	<p>Rhythm Rhythm is the organisation of time in music. This may be free, flexible or more measured or metrical.</p> <ul style="list-style-type: none"> <li>• Melody/Line Melody/line is the horizontal shape in music. It is important to understand the way melody/line works in contour, phrase structure and motivic analysis. An awareness of melody/line also helps in appreciating large scale thematic relationships.</li> <li>• Harmony Harmony is the vertical relationship in music. Harmony is an essential tool. It shapes and directs the music. Harmonic relationships may include consonance and dissonance, key relationships, and the idea of tonality in music.</li> <li>• Form Form is the formal architecture of music, both small- and large-scale. An appreciation of form leads to understanding the shape of musical structures and the musician's use of materials over a larger span of time. It is a navigational tool – form provides signposts for musical events.</li> <li>• Texture and timbre Texture – how different lines or parts relate to one another, and timbre – how instruments/voices combine at times in special or characteristic ways, provide significant and meaningful ways to understand music. Texture and timbre relate to elements of instrumentation, ensemble, thickness or clarity, orchestration and sound colour.</li> <li>• Tension and resolution Tension and resolution provide direction (the 'pull' of the music), whether through melodic intensity, harmonic function, intensity of dynamics or formal shape. Musical enjoyment or value arises in relation to musical tension and resolution.</li> </ul>	<p>This course is by invitation only.</p>	<p><b>AS Exam</b> <b>Paper 1</b> Listening There are three sections in the Listening paper: A: Compositional Techniques and Performance Practice B: Understanding Music C: Connecting Music Externally assessed Time: 2 hours</p> <p><b>Component 2</b> Practical Music Coursework 100 marks There are two compulsory elements: performing and composing. Candidates must complete: – 6–10 minute performance – two contrasting compositions, 1–2 minutes each Internally assessed and externally moderated.</p> <p><b>A Exam candidates choose 2 out of 3</b> <b>Component 3</b> Extended Performance Coursework 100 marks There are two parts to Extended Performance: – 15–20 minute performance – 1000–1500-word research report</p> <p><b>Component 4</b> Extended Composition Coursework 100 marks There are two parts to Extended Composition: – 6–8 minute composition – 1000–1500-word research report Externally assessed</p> <p><b>Component 5</b></p>

	<ul style="list-style-type: none"> <li>• Continuity and change Continuity and change is central to music. Nearly every aspect of music has been subject to change over time, sometimes gradual and sometimes abrupt. Sensitivity to this feature provides an essential means to understand and interpret a work.</li> </ul>		Investigating Music Coursework 100 marks There are two parts to Investigating Music: – 2500–3000-word essay – up to 500-word reflective statement Externally assessed
<b>CIE English Language AS</b>	<p>Successful English Language learners develop an understanding and enjoyment of a wide variety of different texts, both written and spoken. They gain pleasure and awareness of how language works in different ways, for different purposes and for different audiences. In addition, they gain skills for life, including: the ability to appreciate how different texts are shaped by their language and style, skills in creating their own imaginative and persuasive writing for different purposes and audiences, skills in researching, selecting and shaping information from different sources, the ability to analyze and compare written and spoken texts in close detail. Key Concepts: Structure, Context, Imaginative Writing, Persuasive and Argumentative Writing, Audiences Spontaneous Speech, Language Acquisition, Spoken Language and Social Groups, Global English are the key concepts that will be covered in this course.</p>	<p>This is a heavy writing course, and students should be prepared to read and write a great deal.</p> <p>This counts as English III for graduation</p> <p>This course does not align with AP Language.</p>	<p><b>AS Exam</b> <b>Paper 1</b> Students are given 3 questions. They are to answer question 1 and either 2 or 3. They will be asked to discuss the language and then given a writing task. Time: 2 hours <b>Paper 2</b> Students are given sections and need to answer 1 question from section A (imaginative writing) and 1 question from section B (writing for and audience). Time: 2 hours</p>
<b>CIE English Literature AS</b>	<p>Successful Literature in English learners develop a lifelong understanding and enjoyment of literary texts, and, importantly, gain a range of essential skills, including the ability to write clearly and effectively, skills in developing arguments, skills in researching and managing information, the ability to analyze complex texts in different forms and styles. Successful students are those who enjoy reading and critical analysis of literature. They Key Concepts taught are Imaginative Literature, Form, Structure, Genre, Conventions, Context, Audience and Readership, Language and Style, Interpretation.</p>	<p>This is a heavy reading and writing course, and students should be prepared to read and write a great deal.</p> <p>This counts as English IV for graduation</p>	<p><b>AS Exam</b> <b>Paper 3</b> Students will answer 2 questions, 1 on poetry and 1 on prose. Time: 2 hours <b>Paper 4</b> Students will answer 2 questions on drama. Time: 2 hours  In both sections a deep understanding of the text, language, and an informed opinion is to high marks.</p>

<b>CIE English General Paper AS</b>	<p>Cambridge International AS Level English General Paper develops a set of transferable skills. These include comprehension, constructing an argument, presenting views, and writing English coherently and persuasively. Learners can apply these skills across a wide range of subjects and these skills equip them well for progression to higher education or directly into employment</p>	<p>Required for all Diploma Candidates</p> <p>All 10th grade students planning on attaining the International Diploma should take this prior to all other CIE courses other than Environmental Management.</p>	<p><b>AS Exam</b></p> <p><b>Paper 1</b> Students will choose 1 question from a set of 10. Essay format. Time: 1 hour and 15 minutes to complete.</p> <p><b>Paper 2</b> Students answer compulsory questions on reading material. Multiple, open ended questions. Time: 1 hour and 45 minutes to complete.</p>
<b>CIE Mathematics Probability and Statistics AS/A</b>	<p>This course of study contains the following key concepts: Quadratics, Functions, Coordinate geometry, Circular measure, Trigonometry, Series, Differentiation, Integration, Representation of data, Permutations and combinations, Probability, Discrete random variables, The normal distribution, Algebra, Logarithmic and exponential functions, Trigonometry, Differentiation, Integration, Numerical solution of equations, Vectors, Differential equations, Complex numbers, The Poisson distribution, Linear combinations of random variables, Continuous random variables, Sampling and estimation, Hypothesis tests.</p>	<p>Students must complete Math 3 with a C to take this course without permission from a teacher.</p> <p>This course counts as a fourth math for graduation.</p>	<p><b>AS Exam</b></p> <p><b>Paper 1</b> This test is open ended. It focuses on Pure Math. Time: 1 hour and 45 minutes</p> <p><b>Paper 5</b> This test is open ended. It focuses on Probability and Statistics. Time: 1 hour and 15 minutes.</p> <p><b>A Exam</b></p> <p><b>Paper 3</b> This test is open ended. It focuses on Pure Math. Time: 1 hour and 45 minutes</p> <p><b>Paper 6</b> This test is open ended. It focuses on Probability and Statistics. Time: 1 hour and 15 minutes</p>

<p><b>CIE Psychology AS/A</b></p>	<ul style="list-style-type: none"> <li>• Nature versus nurture</li> <li>• Ethics in psychological research</li> <li>• Choice of psychological research methods</li> <li>• No one view in psychology is definitive. Psychological theories are developed by posing hypotheses which are then tested through research.</li> <li>• Relevance of psychology in contemporary society.</li> </ul>	<p>Students must have a C or better in English to take this course.</p> <p>This is a heavy writing course.</p> <p>This is a social studies elective for graduation</p> <p>This course does not align with AP Psychology.</p>	<p><b>AS Exam</b></p> <p><b>Paper 1</b> Approaches, issues and debates Candidates answer all questions. Short answer questions and an essay question, based on core studies. Time: 1 hour 30 minutes</p> <p><b>Paper 2</b> Research methods Candidates answer all questions. Section A: Short answer questions, some based on the core studies. Section B: Scenario-based question . Section C: A design-based question divided into two parts Time:1 hour 30 minutes</p> <p><b>A Exam</b></p> <p><b>Paper 3</b> Specialist options: theory Candidates answer two questions from two specialist options. Each specialist option is out of 30 marks. Question 1: The question is divided into three parts. Question 2: Structured essay-based question divided into two parts Time: 1 hour 30 minutes</p> <p><b>Paper 4</b> Specialist options: application. Candidates answer questions from two specialist options. Section A: Candidates answer two questions from a choice of four. Each of these questions is based on stimulus material and is divided into four parts. Section B: Candidates answer one design-based question from a choice of four. Each question is divided into two parts. Section C: Candidates answer one essay question from a choice of four. Time: 1 hour 30 minutes</p>
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<p><b>CIE Sociology AS/A</b></p>	<p>The key concepts for Cambridge International AS &amp; A Level Sociology are:</p> <ul style="list-style-type: none"> <li>• Inequality and opportunity</li> <li>• Power, control and resistance</li> <li>• Social change and development</li> <li>• Socialisation, culture and identity</li> <li>• Structure and human agency</li> </ul>	<p>Students must have a C or better in English to take this course.</p> <p>This is a heavy writing course.</p> <p>This is a social studies elective for graduation</p>	<p><b>AS Exam</b></p> <p><b>Paper 1</b> Socialisation, identity and methods of research. Candidates answer four questions. Section A: three compulsory questions Section B: one essay from a choice of two Time: 1 hour 30 minutes</p> <p><b>Paper 2</b> The Family 60 marks Candidates answer four questions. Section A: three compulsory questions Section B: one essay from a choice of two. Externally assessed Time: 1 hour 30 minutes</p> <p><b>A Exam</b></p> <p><b>Paper 3</b> Education. Candidates answer four compulsory questions. Question 4 is an essay (26 marks). Externally assessed Time: 1 hour 15 minutes</p> <p><b>Paper 4</b> Globalisation, Media and Religion: Candidates answer two essay questions. Section A: Globalisation Section B: Media Section C: Religion Each section has two essay questions. Candidates select one question from two different sections. Externally assessed Time: 1 hour 45 minutes</p>
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<p><b>CIE Geography AS/A</b></p>	<p>Candidates for Cambridge International AS Level Geography study the following topics: Core Physical Geography Hydrology and fluvial geomorphology Atmosphere and weather Rocks and weathering Core Human Geography Population Migration Settlement dynamics</p> <p>Candidates for Cambridge International A Level Geography study the AS Level topics and two options from: Advanced Physical Geography Options Tropical environments Coastal environments Hazardous environments Hot arid and semi-arid environments and two options from:</p> <p>Advanced Human Geography Options Production, location and change Environmental management Global interdependence Economic transition</p>	<p>Students must have a C or better in English to take this course.</p> <p>This is a heavy writing course.</p> <p>This is a social studies elective for graduation</p>	<p><b>AS Exam</b></p> <p><b>Paper 1</b> Core Physical Geography minutes Section A: Three data response questions. Section B: One structured question from a choice of three. Time: 1 hour 30 minutes</p> <p><b>Paper 2</b> Core Human Geography Section A: Three data response questions Section B: One structured question from a choice of three Time: 1 hour 30 minutes</p> <p><b>A Exam</b></p> <p><b>Paper 3</b> Advanced Physical Geography Options minutes Candidates answer questions on two of the optional topics. Each topic consists of one structured question and a choice of essay question. Time: 1 hour 30</p> <p><b>Paper 4</b> Advanced Human Geography Options Candidates answer questions on two of the optional topics. Each topic consists of one structured question and a choice of essay questions. Time: 1 hour 30 minutes</p>
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<p><b>CIE Languages AS (French and Spanish)</b></p>	<p><b>Spanish</b></p> <ul style="list-style-type: none"> <li>• the ability to communicate confidently and clearly in Spanish</li> <li>• a sound understanding of the nature of language and language study, and of the skills and abilities required for further study, work and leisure</li> <li>• insight into the culture and contemporary society of countries where the language is spoken</li> <li>• better integration into communities where the language is spoken</li> <li>• positive attitudes towards language learning, towards the speakers of other languages, and towards other cultures and societies</li> <li>• skills which can be used in other areas of learning, such as analysis and memory skills.</li> </ul> <p><b>French</b></p> <ul style="list-style-type: none"> <li>• the ability to communicate confidently and clearly in French</li> <li>• a sound understanding of the nature of language and language study, and of the skills and abilities required for further study, work and leisure</li> <li>• insight into the culture and contemporary society of countries where French is spoken</li> <li>• better integration into communities where French is spoken</li> <li>• positive attitudes towards language learning, towards the speakers of other languages, and towards other cultures and societies</li> <li>• skills which can be used in other areas of learning, such as analysis and memory skills</li> </ul>	<p>Students must take IGCSE Languages 1, 2, 3 prior.</p> <p>Students who wish to take A levels cannot sit for the AS test. They must take all the components at the same time. This should be discussed at length with all candidates.</p>	<p><b>AS Exam</b></p> <p><b>Component 1</b>  <u>Speaking Test</u>: 20 minutes. Students are asked to complete 3 different tasks.</p> <p><b>Component 2</b>  <u>Reading and Writing</u>: Students respond to questions. Long and short open ended questions. Students are given 1 hour and 45 minutes to complete.</p> <p><b>Component 3</b>  <u>Essay</u>: Students will choose 1 of 5 topics and write a 250 to 400 word essay in Spanish/French. Students are given 1 hour and 30 minutes to complete.</p>
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<b>CIE Environmental Management AS</b>	<p>Cambridge International AS Level Environmental Management is accepted by universities as proof of knowledge and understanding of the key issues affecting the environment on a variety of scales. Through their study, candidates gain lifelong skills and awareness including: a knowledge of environmental processes and the impacts of societies on the environment, the scientific principles that underpin issues of sustainability and environmental management, the causes of key issues affecting the environment as well as possible ways of managing these, the pressures which impact on the environment and potential solutions to these.</p>	<p>This counts towards Earth Science graduation requirement.</p>	<p><b>AS Exam</b>  <b>Paper 1</b>  Long answer and essay. Must defend answers. Students are given 1 hour and 45 minutes to complete.  <b>Paper 2</b>  Long answer and essay. Must defend answers. Students are given 1 hour and 45 minutes to complete.</p>
<b>CIE Biology AS/A</b>	<p>Candidates for Cambridge International AS Level Biology study the following topics:</p> <ol style="list-style-type: none"> <li>1 Cell structure</li> <li>2 Biological molecules</li> <li>3 Enzymes</li> <li>4 Cell membranes and transport</li> <li>5 The mitotic cell cycle</li> <li>6 Nucleic acids and protein synthesis</li> <li>7 Transport in plants</li> <li>8 Transport in mammals</li> <li>9 Gas exchange and smoking</li> <li>10 Infectious disease</li> <li>11 Immunity</li> </ol> <p>Candidates for Cambridge International A Level Biology study the AS topics <b>and</b> the following topics:</p> <ol style="list-style-type: none"> <li>12 Energy and respiration</li> <li>13 Photosynthesis</li> </ol>	<p>Student should take IGCSE Biology or at least Honors Biology prior</p> <p>This is a science elective for graduation</p>	<p><b>AS Exam</b>  <b>Paper 1</b>  40 multiple choice questions. Time: 1 hour  <b>Paper 2</b>  Open ended questions that will have multiple points per question. Time: 1 hour 15 minutes  <b>Paper 3</b>  Students will be given 2 to 3 experiments that will be completed in a timed environment. All answers will be given in written format. Time: 2 hours  <b>A Exam</b>  <b>Paper 4</b>  Open ended questions that will have multiple points per question. Time: 2 hours  <b>Paper 5</b>  This paper consists of a variable number of questions of variable mark value based on the practical skills of</p>

	14 Homeostasis 15 Control and co-ordination 16 Inherited change 17 Selection and evolution 18 Biodiversity, classification and conservation 19 Genetic technology		planning, analysis and evaluation. Time: 1 hour 15 minutes
<b>CIE Physics AS</b>	<ul style="list-style-type: none"> <li>• Models of physical systems</li> <li>• Testing predictions against evidence.</li> <li>• Mathematics as a language, and problem-solving tool</li> <li>• Matter, energy and waves.</li> <li>• Forces and fields</li> </ul> <p>Physics involves study of these interactions across distances ranging from the very small (quantum and particle physics) to the very large (astronomy and cosmology).</p>	<p>Students should be given a recommendation from a math/science teacher.</p> <p>This is an intensive, experiment based course.</p> <p>This is a physical science graduation elective.</p>	<p><b>AS Exam</b></p> <p><b>Paper 1</b>  This paper consists of 40 multiple choice questions, all with four options. Time: 1 hour and 15 minutes</p> <p><b>Paper 2</b>  This paper consists of a variable number of questions of variable mark value. Time: 1 hour 15 minutes</p> <p><b>Paper 3</b>  This paper requires candidates to carry out practical work in timed conditions. The paper will consist of two experiments drawn from different areas of physics. The experiments may be based on physics not included in the syllabus content, but candidates will be assessed on their practical skills rather than their knowledge of theory. Candidates will answer both questions. Time: 2 hours</p> <p><b>A Exam</b></p> <p><b>Paper 4</b>  A Level Structured Questions Structured questions  Externally assessed  Time: 2 hours</p> <p><b>Paper 5</b>  Planning, Analysis and Evaluation. Candidates answer two compulsory questions  Time: 1 hour 15 minutes</p>

<b>CIE Chemistry AS</b>	<ul style="list-style-type: none"> <li>• Atoms and forces</li> <li>• Experiments and evidence</li> <li>• Patterns in chemical behaviour and reactions</li> <li>• Chemical bonds</li> <li>• Energy changes</li> </ul>	<p>Students should take IGCSE Chemistry</p> <p>This is an intensive, experiment based course.</p> <p>This physical science graduation elective</p>	<p><b>AS Exam</b></p> <p><b>Paper 1</b> Multiple Choice 40 multiple-choice questions Time: 2 hours</p> <p><b>Paper 2</b> AS Level Structured Questions Structured questions Time: 1 hour 15 minutes</p> <p><b>Paper 3</b> Advanced Practical Skills. Practical work and structured questions. Questions are based on the experimental skills in the Practical assessment section of the syllabus. Externally assessed Time: 2 hours</p> <p><b>A Exam</b></p> <p><b>Paper 4</b> A Level Structured Questions Structured questions. Time: 2 hours</p> <p><b>Paper 5</b> Planning, Analysis and Evaluation. Questions based on the experimental skills of planning, analysis and evaluation. The context of the questions may be outside the syllabus content. Externally assessed Time: 1 hour 15 minutes</p>
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<p><b>CIE Business AS/A</b></p>	<p>The key concepts for Cambridge International AS &amp; A Level Business are:</p> <ul style="list-style-type: none"> <li>• <b>Change</b> Change is the only constant. New enterprises and opportunities are created in response to change in the external environment. Change can also happen within a business, leading to success when change is handled correctly.</li> <li>• <b>Context</b> Context is the basis for every business decision. What might be a suitable solution in one situation may be unsuitable in another. Businesses must understand and research their context to be able to make good decisions.</li> <li>• <b>Decision-making</b> Decision-making affects all levels in a business. Stakeholders in businesses use their knowledge, apply it to a scenario, analyse the data, evaluate the arguments and then come to a decision.</li> <li>• <b>Enterprise</b> Enterprise is the ability to seek out and successfully develop business opportunities.</li> <li>• <b>Innovation</b> Innovation enables a business to re-invent itself and stay ahead of the competition. The business world is dynamic and companies must seek to innovate through product development, more efficient processes and finding better ways to do business.</li> <li>• <b>Strategy</b> Strategy is about knowing where you are, where you want to get to and how you are going to get there. Being able to analyse a business situation, make choices given relevant data and then implement this effectively is key to running a successful business.</li> </ul>	<p>This course cannot be taken unless the student has completed all components of the CTE track the school has to offer.</p>	<p><b>AS Exam</b></p> <p><b>Paper 1</b> Section A: four short answer questions. There are two parts to the first three questions. Section B: one essay from a choice of two. There are two parts to each essay. time: 1 hour and 15 minutes</p> <p><b>Paper 2</b> Two data response questions. There are six parts to each question time: 1 hour and 30 minutes</p> <p><b>A Exam</b></p> <p><b>Paper 3</b> Five questions based on a case study. There are three parts to Question 3 and two parts to Question 4. Time: 1 hour 45 minutes</p> <p><b>Paper 4</b> Two essay questions based on a case study Time: 1 hour and 15 minutes</p>
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<b>CIE Digital Media and Design AS</b>	<p>The subject content allows space for teaching and learning to be creative. It is grouped into three broad areas of study:</p> <ul style="list-style-type: none"> <li>• Digital photography</li> <li>• Moving image</li> <li>• Mobile and multimedia applications.</li> </ul> <p>You do not have to cover all three areas of study to deliver this qualification. You can structure a course around a single area of study or you can create a course which includes a combination of two or three areas of study. The choice of content will depend on the interests of teachers and candidates as well as the resources and expertise available at the school.</p> <p>Please see instructor for more details.</p>	<p>This course is by invitation only.</p> <p>Students should request a list of all processing fees.</p>	<p><b>AS Exam</b></p> <p><b>Component 1</b> Portfolio: Candidates choose a theme from the list in the syllabus. There are <b>two</b> elements to the portfolio:</p> <ul style="list-style-type: none"> <li>• supporting studies <b>and</b></li> <li>• a proposal</li> </ul> <p><b>Component 2</b> Externally Set Assignment 10 hours Candidates choose one assignment from the question paper. There are <b>two</b> elements to the assignment:</p> <ul style="list-style-type: none"> <li>• supporting studies <b>and</b></li> <li>• a final outcome, produced during a supervised test of 10 hours' total duration.</li> </ul>
<b>CIE Design and Technology AS/A</b>	<p>The aims of the Cambridge International AS &amp; A Level Design &amp; Technology syllabus are to enable candidates to develop:</p> <ul style="list-style-type: none"> <li>• the ability to be innovative and creative in design and technology and to recognise constraints and produce high-quality products</li> <li>• an awareness of the significance of design and technology to society</li> <li>• the ability to apply essential knowledge, understanding and skills of design production processes to a range of technological activities and develop an understanding of industrial practices</li> <li>• the ability to use information and communications technology (ICT), as appropriate, to enhance their design and technological capability</li> <li>• critical evaluation skills in technical, aesthetic, economic, environmental, social and cultural contexts</li> <li>• the ability to make informed choices as a discerning consumer</li> <li>• positive attitudes of co-operation and citizenship and the ability to work collaboratively.</li> </ul>	<p>This course cannot be taken unless the student has completed all components of the CTE track the school has to offer.</p>	<p><b>AS Exam</b></p> <p><b>Component 1</b> This is a written paper which tests knowledge, understanding, product analysis and design. There are three sections; in each section candidates answer one question from a choice of three. Time:3 hours</p> <p><b>Component 2</b> This is a coursework project which involves an individual design problem and production of a design model. Time: 40 to 50 hours</p> <p><b>A Exam</b></p> <p><b>Component 3</b> This is a written paper which tests design, knowledge and understanding in three focus areas; candidates specialise in one of these areas. There are two sections in this paper. In Section A candidates answer two structured knowledge application questions from</p>

			<p>a choice of three on their chosen focus area. In Section B candidates answer the one design question on their chosen focus area.</p> <p>Time 3 hours</p> <p><b>Component 4</b></p> <p>This is a coursework project, and it can either be developed from the Component 2 project or be a completely new project covering Components 2 and 4 in an holistic way.</p> <p>Time: 40 to 50 hours</p>
<b>CIE Global Perspectives AS</b>	<p>Cambridge International AS Level Global Perspectives &amp; Research is based on <b>skills</b> rather than on specific content. Learners develop skills in research, critical thinking, reasoning, problem-solving and communication by following an approach to analyzing and evaluating arguments and perspectives called the Critical Path. This is an approach to learning designed to enhance skills in carrying out research, the analysis and evaluation of evidence and arguments, holistic reflection and communication. Collaboration skills are enhanced through participation in a <b>team project</b>.</p> <p>As this is a skills-based course, teaching and learning are likely to involve learners in researching current global affairs using a wide variety of media formats such as newspapers, websites, academic journal articles, podcasts and books. Having researched and identified relevant materials, learners engage with the issues they raise and interpret and evaluate the arguments through activities such as class discussions, role play, presentations and group-based tasks. The course is based on the premise that investigating global issues through a variety of different perspectives will help increase learner awareness of the world around them. The syllabus provides a wide array of global topics from which learners choose to study those most pertinent to their own interests and areas of expertise.</p>	<p>Students need to have taken CIE English General Paper prior to taking this course unless permission is given. Only students who are Diploma Candidates can take this course.</p> <p>This course is a heavy writing and research course, it is also mandatory for all diploma students.</p> <p>This course is an interdisciplinary course and can be counted as an unspecified elective for graduation.</p> <p>IGCSE Global is a social studies elective</p>	<p><b>AS Exam</b></p> <p><b>Component 1</b></p> <p><u>Written Expression</u>: Students analyze and evaluate arguments. Students are given 1 hour and 30 minutes to complete.</p> <p><b>Component 2</b></p> <p><u>Essay</u>: a 2000 word essay based on the global issues students covered in class, and deadlines will be given by instructor.</p> <p><b>Component 3</b></p> <p><u>Team Project</u>: Teams work together to pick and then determine a solution to a global issue. Students will be then write an individual paper and give an individual presentation for a score.</p>

<p><b>CIE Thinking Skills AS</b></p>	<p>The Thinking Skills subject content is divided into two parts, Problem Solving and Critical Thinking. The subject content is the same for AS &amp; A Level. The difference between AS Level and A Level is determined by the demand of the assessment tasks.</p> <p><b>Problem Solving</b></p> <p>The Problem Solving content is presented in four areas:</p> <ul style="list-style-type: none"> <li>• Organize information</li> <li>• Process information</li> <li>• Analyze data</li> <li>• Consider wider problems.</li> </ul> <p><b>Critical Thinking</b></p> <p>The Critical Thinking content is presented in four areas:</p> <ul style="list-style-type: none"> <li>• Evaluate and use evidence</li> <li>• Analyze reasoning</li> <li>• Evaluate reasoning</li> <li>• Construct reasoning.</li> </ul>	<p>Students may take this in their 12th grade year.</p>	<p><b>AS Exam</b></p> <p><b>Paper 1</b></p> <p><u>Problem Solving</u>: Students will be given a series of scenarios and asked questions. Students are given 1 hour and 30 minutes to complete.</p> <p><b>Paper 2</b></p> <p><u>Critical Thinking</u>: Students are given 5 questions based on multiple sources of evidence. Students are given 1 hour and 45 minutes to complete.</p>
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