



THE WESTMINSTER SCHOOL, DUBAI
IGCSE Booklet 2020 - 22

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MESSAGE FROM PRINCIPAL

Dear Parents,

Welcome to this short online booklet outlining the arrangements in place at The Westminster School to help you and your child to decide in choosing subjects that will lead them to the careers they would want to pursue.

The School is committed to ensure that your child is given every possible chance to aspire to that potential. We firmly believe in working closely with you and the students in a close, genuine and visible relationship. We hope that over the years your child at the school has been able to demonstrate this.

Now of course is the turning point in your children's education and I cannot stress more strongly that both you and your child read the information enclosed to help you make an informed decision as to the choice of subjects to help them in their future careers. As a result, the decisions you and your child make in the next few weeks may well have a very strong influence on what they are able to accomplish in later life. **We all want the best for our children, so making the right choice is an important decision. It is our responsibility to make sure that all of you benefit from that positive experience.**

I hope this booklet is helpful as we want all children to achieve their full potential, to enjoy school and to develop their self-confidence as learners and, ultimately, should be able to shape and mould their own future.

If any of the information in the pages following requires clarification, please seek assistance from the school.

I wish you and your child every success.

Regards,

Carl Roberts
Executive Principal/CEO

SPECTACULAR SUCCESS OF TWS

The Westminster School Dubai, a GEMS managed school has completed 25 years of educational services to students studying in the UAE from its inception in 1995. This period has been eventful as the institution has witnessed an ever changing process striving for excellence.

Students who have passed through the portals of their illustrious Alma Mater have secured admission in leading universities around the world and have made a significant contribution in their field of expertise.

Highlights of Accomplishments:

IGCSE / AS / A level Entries:

In May 1998, there were 494 for the IGCSE Examinations. The number has risen to more than 5000 entries in May/ June 2019 Examinations.

In May 2004 the school started the AS Level Examination with only 77 entries which increased to 1500 in May 2019.

WINNERS OF PRESTIGIOUS CAMBRIDGE AWARDS

His Highness Sheikh Maktoum Bin Mohammed Bin Rashid Al Maktoum Cambridge Awards

Outstanding contribution to the School Community, Civic Duty and Leadership

SARMAD NASIR(2005)

QURATULAIN SHAHZAD(2006)

PRIYANKA MITRA(2007)

Outstanding Academic Achievement Award

AHMED OSAMA KHATIB-AS Level(2006)

SAAD MOHD HAFEEZ - AS Level & PRIYANKA MITRA- A Level(2008)

SAAD MOHD HAFEEZ- A Level(2009)

RAWAN ASHRAF-IGCSE; AYOUB JUMAN-AS Level & SHABAB RIZVI- A Level(2010)

AMR ALI HASSAN-IGCSE & BUSHRA ALI - AS Level(2011)

BISHOY RAMI RAGHEB-IGCSE & HUSSEIN ELSAMANI BERIMASALEH-AS Level(2012)

NASIR MOHD KHALID - IGCSE & FELICIA KATHERINE FITZSIMMONS- AS Level(2013)

**ARUNAN SIVAKUMARAN-IGCSE, MAHMOUD MOHAMED MAHMOUD SAAD ABOUAMER-IGCSE
(2014)**

**MAHMOUD MOHAMED MAHMOUD SAAD ABOUAMER, AHMED TAREK MOHAMED MOHAMED
GEAISSA - AS Level (2015)**

ROHAN MITRA – IGCSE , PARYA RAHIMI - AS Level (2016)

AYESHA MAQSOOD – AS Level (2017)

LARISA PERPETUAL FERNANDES, SASHA ZAKI- IGCSE(2018)

LARISA PERPETUAL FERNANDES, SHANIA VIANA SEQUEIRA –IGCSE(2019)

**MBUSO NKOSINATHI SIKHONDE, SANA ALI AHMED ABOUELNOUR, SYEDA MARIA RAZA,
TEHREEM SIDDIQUI, ROHAN MITRA – AS LEVEL(2019)**

**Cambridge Award for Special Achievement whilst overcoming personal challenges during
the IGCSE Examinations**

ZULQARNAIN MEHDI(2006)

KURRAM JAVAID(2007)

Top of the World Awards

Top of the World in IGCSE Chemistry (2005)- Sakina Neralwala

Second Top of the World in IGCSE Biology(2006) - Romesa Khalid

**One of the Top Ten for GCSE Arabic(2008)
Raghad Sanad Abdul Hameed Al Saqqar & Shahd Mohamed Gamil El Helou**

One of the Top Ten for GCE Hindi.(2008)-Abeer Fatima

Top of the World for AS English(2010)-Bushra Ali

Top of the World for IGCSE English(2013)- Nasir Mohd Khalid

The Outstanding Pearson Learner Awards, under the Highest Mark in the World category in GCSE Arabic (2017)

1. Ahmed Hisham Abbas Ahmed
2. Aya Ali Tayfoor Ahmed Tamim
3. Malak Ahmed Mohamed El Sayed
4. Mariam Raed Hussein
5. Maryam Abdul Jawad Ahmed Othman Omar
6. Mayar Adil Khalil
7. Nadin Hossam Fawazy
8. Ragab Mohamed Ragab Moustafa
9. Raghda Ahmed Abdel Nabi Abdel Gader
10. Reem Ibrahim Kamel Khalaf
11. Salma Mahmoud Said Ali
12. Shehab Ahmed Mohamed El Sayed

Top of the World for IGCSE Mathematics (2018)
Mohamed Tarek Ibrahim Mohamed Mahdi

Top of the World for IGCSE Mathematics (2019)
Yasmin Ahmed Abdelazim Mahmoud Ghanem

The Outstanding Pearson Learner Awards International GCSE Urdu (2019)
Manal Mansoor

From the Counsellor's Desk
(Ms. Lali Saji Mathew - Career Counsellor)

Making decisions at every phase of your life is an important aspect of living a fruitful life. As said, 'it's not hard to make decisions, when you know what is important for you and have the knowledge about it'. Your choice of GCSE subjects will have some effect on what you can do in the future. Choice of subjects that suit you and your abilities is most important. If you have a career in mind you need to check out what subjects you might need.

Grade 9 is one such phase where you must make a vital choice about the subjects your child will be selecting. A choice of subjects either a Science or Commerce stream or a combination of both will lead your child to his or her desired Career Path. However, making an informed decision is key for success and to help you in this process, here are a few pointers: -

As **PARENTS**, knowing your child is important -

- Evaluate your child's aptitude, strengths and weakness
- The subjects he/she is good at
- The subjects he/she needs to work on more or is not interested at all.

- Differentiate between your choice and the choice your child wants to make in terms of his/her Career Goals
- Find out detail about each subject or combination of subjects and how it can help your child to achieve his/her Career goals.

As a **STUDENT**, understand what subject you enjoy.

Ask yourself –

- What subjects do I like to study now?
- Which subjects am I interested in studying in the coming years that I have not studied or am not aware about?
- Extra-Curricular activities I like participating in within and outside school (e.g.; playing music, volunteering, thinking creatively, art, etc.)
- Which subject do others say I am good at?
- Which career am I most inclined towards?
- Ask your subject teacher, seniors for suggestions

Career goals –

- Additional subjects you need to study apart from main subjects to achieve your Career Goal.
- Additional exams you need to prepare for to achieve your future goals
- Your skills, aptitude, interest and personality and how it can help you to achieve the desired goal.

Help your child prepare for future success -

- Parents are the primary counsellors. They play a crucial role in drawing a study plan and shaping the career and future of their children.
- If your child is struggling, encourage him/her to decide on a career. Ask your child: “How have you made a decision prior to this? In small things? For example, choosing a movie, a weekend with friends or which sport to play? Now follow the same process!”
- Talking about careers with your child will have a big impact on his/her attitude and performance. Talking about career dreams will motivate him/her to work harder in school.
- Teach your child to dream. Children should dream about what they want to be and do as adults. Get him/her to visualize their dreams for the future. Relate their desires to an occupation that makes them a successful individual.
- Identify areas of Interest: as a parent you can help your child to identify the broad area of work that interests your child, environment they would like to work in and then to link this to their unique skills, aspirations, abilities and values.
- Finally celebrate the moments you share with your child because “One of the greatest things parents can do for their children is to believe in them (their uniqueness) and help them realize their dreams”.

Conclusion:

Parents are the first role model for their children and can be a friend, a philosopher and a guide throughout their whole life. Even when there is the time for career selection children always seek support and assistance of their parents in a significant manner. Parental guidance is equally important for them to make a perfect career decision. It is seen that younger students attract towards rising career choices whereas the parents insist them to stick to the traditional career routes and play safe. At that time, the need of career counseling is must to bridge the gap between parents and children.

STUDENTS CORNER

The leap into IGCSE O Levels has never been an easy transition. Not only do you need to choose your subjects but your future as well. It can be daunting, overwhelming and even intimidating. But do not lose hope. Consider your IGCSE exams as your stepping stones into a new realm of education, although important, enter knowing you have the will and determination to succeed.

Try to remember to balance your studies with your interests. With regards to your studies, check out a sensible revision timetable with friends, as well as exercise and healthy eating. Following a ratio among different areas will enable you to have a healthy mind and a healthy body.

When it comes to studying, it can be pretty frightening at first when you look at the syllabus and see an endless list of topics and subtopics to complete. The key to doing this is to stay on top of your work every day, set a daily study goal and stick to it. Nothing is more effective than regular IGCSE exam practice. A little advice, make sure you review your performance with a teacher or tutor so they can guide you onto the road to success.

Be realistic. Remember that a vast and intricate IGCSE revision timetable does not necessarily lead to copious and detailed revision. Think about what is realistic, and give yourself regular breaks.

Wishing you the best of luck!

-Ayesha Shozib 13A

IGCSE's are NOT a piece of cake; despite what your seniors may have you believe, the fact of the matter remains that to score well in these examinations, you must work hard. Nobody else is going to do it for you, and the sooner you realize that it will be better for you. With that being said, I would also like to mention that my most unforgettable memories were also made during this time - the same one, which you all are going through right now. So at the end of the day, remember that amidst all the past papers you solve, and all the Khan Academy videos you watch, a well-balanced, healthy social life will do you no harm at all.

-Mohammad Fahim 13B

To start things off, make sure you have some basic understanding of all of the topics. PLEASE DO NOT PROCRASTINATE. It's vital that you complete revising the topics a week or two ahead of your second mocks. Do not take IGCSE for granted. After the revision, please just dive into your past paper booklets. If you don't own a past paper booklet, I recommend you buy them as it supports you to mark the strenuous questions which in result, allows you to go through them before the paper. Past papers are everything, I cannot stress how crucial past papers are in order for you to successfully achieve an A* or an A. Please ensure that you start solving past paper questions for a specific topic right after you complete it. Moreover, writing notes on a notepad (flashcards) is very subjective, some might find it time-consuming while others find it helpful to test it out yourself and see if it benefits you.

-Hassan Rashid 13A

To all those preparing to face their first "board examinations" this May/June session, here are some insider tips from an ex IGCSE candidate:

Firstly, you need to understand the mark scheme and familiarize yourself with the grading system. Take time out to go through previous past papers, check grade boundaries, and get an idea about the concept of grading. It is absolutely crucial to have a regular study routine rather than the last-minute study and trying to cram a few nights before the exam, this brings nothing but excess stress and poor results. Also, make sure to go through past papers, there is nothing more reliable and efficient than regular old past paper solving. Lastly, keep enough time to complete your whole textbook. A tip for you before exam season, a thorough skim and scan of the summaries and checkpoint questions may be the best thing you can do to yourself before exams and walk into the examination room with confidence.

-Utkarsh Chauhan 13A

IGCSE PROGRAMME 2020-22

The Cambridge IGCSE curriculum offers a variety of roles for learners with a wide range of abilities.

Cambridge IGCSE helps improve performance by developing skills in creative thinking, enquiry and problem solving.

It is the perfect springboard to advanced study.

ASSESSMENTS

IGCSE Assessments takes place at the end of the course and can include written, oral, coursework and practical assessment.

All Assessments taken at the end of Year 11 .

In many subjects there is a choice between CORE and EXTENDED curriculum, making Cambridge IGCSE suitable for a wide range of abilities.

Grades are benchmarked using eight internationally recognized grades, A* to G, which have clear guidelines to explain the standard of achievement for each grade.

The students appearing for CORE curriculum are eligible for Grades C to G, while those appearing for EXTENDED curriculum are eligible to score Grade A* to G.

IGCSE Programme Commencing in Year 10 (2020 - 2022)

Compulsory Subjects					
1	English as First Language				
2	Mathematics				
3	Islamic Education /Life skills (Non-IGCSE)				
Optional Subjects (Select ONE subject from each of the options below)					
Language/ Alternate subject	Option 1	Option 2	Option 3	Option 4	Technology
Art & Design	Combined Science	Chemistry	Accounting	Accounting	Computer Studies
French	Geography	Economics	*Additional studies	Arabic-A (MOE)	ICT
Environmental Management	Physics		Biology	Biology	
Global Perspectives			Business Studies	Business Studies	
Travel and Tourism				Geography	
Urdu					

*ADDITIONAL STUDIES - Additional class for Math + English

Important Points to remember: -

- All students select 7/8 subjects in Year 9 and study them in Year 10 & 11.
- Ministry Arabic and Islamic Studies are subjects offered by the Ministry of Education (MOE)
- **Arabic-A(MOE) is mandatory for all Arabic speakers.**
- The students will appear for all the IGCSE exams at the end of Year 11.
- If any group has less than 20 students that option will not be considered.
- **Students who have chosen French/ Urdu/ Art & design in Year 8, will continue with the same subjects for the language option.**
- **Please note – No subject changes are permitted after a choice is made.**
- **Submission of this form is an indication of preferred choices. We will do all we can to offer students their first choices but do not guarantee this.**

DETAILED PROGRAMME OF STUDY
First Language English
(CAIE syllabus code 0500)

Course Outline

Cambridge IGCSE First Language English is designed for students whose mother tongue is English. The course allows students to develop the ability to communicate clearly, accurately and effectively when speaking and writing. It encourages students to learn how to use a wide range of vocabulary, and the correct grammar, spelling and punctuation along with developing a personal style and an awareness of the audience being addressed. Cambridge IGCSE First Language English also develops more general analysis and communication skills such as synthesis, inference, and the ability to order facts and present opinions effectively.

Assessment Summary

Students sit an external examination set by the Cambridge International Examinations Board (CIE). The examination consists of two papers (Paper 1 and Paper 2) the details of which can be found in the table below. **Note: First Language English does not have a ‘Core’ option.**

<u>Paper 1– Reading</u>	<u>Paper 2 –Directed Writing and Composition</u>
2 hour Examination	2 hour examination
Candidates answer structured and extended writing questions. Questions will be based on three reading texts. Externally assessed	Candidates answer one question on a passage or passages totaling 650–750 words, and complete a composition task from a choice of four titles. (Argumentative/ Discursive/ Descriptive/ Narrative)

Career and University Pathways

The skills you develop through the study of First Language English (general analysis, communication skills

such as synthesis, inference, and the ability to order facts and present opinions effectively and time-management) are applicable to a wide variety of professional areas like Finance, Food and Drink Industry, Law, Sales and Marketing, Transport, Tourism and Leisure and The Civil Services. Some areas which have traditionally attracted First Language English graduates include professions involving linguistic expertise: Writing, Speech Therapy, Media, Journalism, Public Relations, Publishing and Lexicography. Teaching in educational institutions and teaching English as a Foreign Language are also popular choices for First Language students.

English as a Second Language **(CAIE syllabus code- 0510)**

Students whose performance is below the curriculum standards will opt for English as a Second Language

Course Outline

Cambridge IGCSE English as a Second Language offers learners the opportunity to gain lifelong skills and knowledge that include: better communicative ability in English, improved ability to understand English in a range of everyday situations and in a variety of social registers and styles. It provides a greater awareness of the nature of language and language-learning skills that covers an international perspective.

Assessment Summary

Cambridge IGCSE English as a Second Language candidates take three Papers: Reading and writing (Paper 1 or Paper 2), Listening (Paper 3 or Paper 4) and a speaking Paper (Paper 5).

CORE	EXTENDED
Paper 1– Reading and Writing (60 marks)	Paper 2 – Reading and Writing (80 marks)
1 hour 30 minutes	2 hours
There are six tasks in the paper, testing a range of reading and writing skills	There are six tasks in the paper, testing a range of reading and writing skills.
Paper 3– Listening (30 marks)	Paper 4–Listening(40 marks)
Approximately 30-40 minutes	Approximately 45 minutes
Candidates listen to several short extracts and longer texts, and complete a range of tasks, including short-answer questions, filling in text, matching and multiple choice.	Candidates listen to several short extracts and longer texts, and complete a range of task types, including short-answer questions, gap filling and sentence length answers and note taking.
Paper 5– Speaking (30 marks)	This paper is for both CORE & EXTENDED. Each candidate is given 15 minutes to speak about a given topic.

Career and University Pathways

The skills you develop through the study of English as a Second Language, namely effective written and verbal communication, time-management, organisational skills, independent study and research and

developing persuasive arguments applicable to a wide variety of professional areas. Some areas that have traditionally attracted graduates include advertising, marketing and PR work, Arts administration, library and information management, The legal profession, editing and publishing, journalism and other areas of the media. Teaching and academic careers are also popular choices for students who opt for English as a Second Language .

Remark- First Language English will be followed by all students in year 9 and until the first term of year 10.

Mathematics

(Without coursework-CAIE syllabus code-0580)

Course Outline

The Cambridge IGCSE Mathematics (without coursework) helps students to acquire a foundation appropriate to their further study of Mathematics and of other disciplines. It develops their mathematical knowledge and skills which encourages their confidence and provides a sense of satisfaction. Students learn to apply Mathematics in everyday situations, develop logical reasoning, appreciate patterns and relationships and to check and interpret results.

This Mathematics course is divided into Number and Algebra, Shape and Space and Handling Data. As they study this course, they not only acquire a strong foundation of the subject but it also gives an opportunity for students to appreciate the interdependence of different branches of Mathematics.

Assessment Summary

CORE	CORE	EXTENDED	EXTENDED
Paper 1 (56 marks)	Paper 3 (104 marks)	Paper 2 (70 marks)	Paper 4 (130 marks)
1 hour	2 hours	1 ½ hours	2 ½ hours
Short answer Questions	Structured Questions	Short answer Questions	Structured Questions
Grades C- G	Grades C- G	Grades A* - E	Grades A* - E

Career and University Pathways

Mathematics is a compulsory subject for all students. It is a gateway to an array of jobs and courses. Since this course gives you an appropriate foundation of Mathematics, it is essential for all Science and Commerce streams of study. Listed below are a few careers, which students may want to pursue for which the study of Mathematics is essential. Any field of Engineering, Architecture, Medicine, Dentistry, Para-medical courses, Biological Scientist, Chemist, Computer Programming, Graphical designing and Animations, Physicist, Astronomy, Business Administration, Accounting and Auditing, Economist, Real Estate Agents and Brokers, Art and Design, Interior Decoration, and many more.

INFORMATION & COMMUNICATION TECHNOLOGY

(CAIE Syllabus code-0417)

Course Outline

The Cambridge IGCSE ICT syllabus combines theoretical and practical studies focusing on the ability to use common software applications, including word processors, spreadsheets, databases, interactive presentation software and website design. Learners will develop a greater awareness of how applications are used in the workplace, and consider the impact of new technologies on methods of working and on social, economic, ethical and moral issues.

The skills learnt will be useful to them in their work across the curriculum, and will prepare them for future employment. Assessment of the practical tests is hardware and software independent. Any hardware platform, operating system, and applications packages can be used, provided that learners have the opportunity to demonstrate the complete range of skills in the syllabus.

Assessment Summary

Students sit an external examination set by the Cambridge International Examinations Board (CIE). The examination consists of three papers. Paper 1- Theory, Questions will be based on sections 1-21 of the subject content. All questions are compulsory. Paper 2 – Practical - Document Production, Data Manipulation and Presentations. This test assess the practical skills needed to use the applications covered in sections covered in 17, 18 and 19 of the subject content. Candidates must demonstrate the practical

skills relevant to sections 11–16. All tasks are compulsory and Paper 3 – Practical - Data analysis and Website Authoring. This test assesses the practical skills needed to use the applications covered in sections 20 and 21 of the subject content. Candidates must demonstrate the practical skills relevant to sections

11–16. All tasks are compulsory. The examination details can be found in the table below.

Paper 1 : Theory (100 marks)	Paper 2 & 3: Practical (80 marks each)
2 hours	2 ½ hours each
All questions compulsory: multiple choice or short answer questions, some may also require longer responses. 100 marks. Paper 1: Theory (Marks - 100) Weighted at 40% of total	Practical test assessing knowledge, skills and understanding of sections 11–21 of the syllabus. 80 marks. Paper 2 and 3: Practical (Marks 80 each) Weighted at 30% of total for each paper

Career and University Pathways

There are many, many sub-areas within the broader discipline of computer Science and new areas are continuously being created as the discipline advances. Let's look at just a few of these areas.

Computer Science

(CAIE Syllabus code-0478)

Course Outline

The Cambridge IGCSE Computer Science syllabus enables learners to develop an interest in computing and gain confidence in computational thinking and programming. Cambridge IGCSE Computer Science is an ideal foundation for further study at the Cambridge International A Level. Besides, any branch of engineering and skills learnt can also be used in other areas of study and in everyday life. Computer science is the study of the basic principles and practices of computation and computational thinking and their application in the design and development of computer systems.

Assessment Summary

Students sit an external examination set by the Cambridge International Examinations Board (CIE). The examination consists of two papers. The assessment is through written papers, but the learning is mainly practical : problem solving and programming. The examination consists of two papers (Paper 1 and Paper 2) the details of which can be found in the table below.

Paper 1: Theory	Paper 2: Problem-solving and Programming
1 hour 45 minutes Examination (75 marks)	1 hour 45 minutes Examination (50 marks)
Short-answer and structured questions	Short-answer and structured questions (20% of the marks of this paper is from questions set on the pre-released material.)

Career and University Pathways

Fortunately, there are many, many sub-areas within the broader discipline of computer Science and new areas are continuously being created as the discipline advances. Let's look at just a few of these areas.

25 Highest Paying Jobs in Computer Science

Software developers, Database administrators, DBAs, Computer programmers, Computer and information systems managers, Computer hardware engineers, Computer systems analysts, Information Security Analysts, Web Developers, Computer network architects and network engineers, Computer information research scientists, Computer technical support specialists, Chief technology officer, CTO, Chief information officer (CIO), Chief science officer (CSO), Bioinformatics roles, Computational biology roles, Computer science and mathematics roles, Computer science and animation roles, Medical informatics roles, Quantitative research analyst roles, Econometricians roles, Systems software engineers, Software application engineers, Computer security and privacy/Hackers, Configuration specialists

Physics

(CAIE Syllabus code-0625)

Course Outline

Cambridge IGCSE Physics is accepted by universities and employers as proof of knowledge and understanding of Physics. Successful candidates gain lifelong skills including: confidence in a technological world, an understanding of how scientific theories and methods have developed and continue to develop,

an understanding that the study and practice of science is affected and limited by social, economic, technological, ethical and cultural factors, an awareness that the application of science in everyday life may be both helpful and harmful to the individual, the community and the environment; knowledge that science overcomes national boundaries, the language of science used correctly and thoroughly, the understanding of the usefulness (and limitations) of scientific methods, and its application in other subjects and in everyday life, a concern for accuracy and precision, an understanding of the importance of safe practice, improved awareness of the importance of objectivity, integrity, enquiry, initiative and inventiveness, an interest in and care for the environment, an excellent foundation for advanced study in pure sciences, in applied science or in science-dependent vocational courses.

Assessment Summary

Paper 6 is common for both CORE & EXTENDED

Paper 1-Core	Paper2-Extended	Paper 3 - Core	Paper 4- Extended	Paper 6
45 minutes	45 minutes	1 hour 15 min	1 hour 15 min	1 hour
A multiple-choice paper consisting of 40 questions of the four-choice type.	A multiple-choice paper consisting of 40 questions of the four-choice type.	A written paper consisting of short-answer and structured questions.	A written paper consisting of short-answer and structured questions.	Alternative to Practical paper
Given weightage at 30% of total available marks	Given weightage at 30% of total available marks	Given weightage at 50% of total available marks	Given weightage at 50% of total available marks	Given weightage 20% of total available marks

Chemistry

(CAIE Syllabus code-0620)

Course Outline

Cambridge IGCSE Chemistry is accepted by universities and employers as proof of essential chemistry knowledge and ability. It is a subject that enables students to have a better understanding of the technological world in which they live, and to take an informed interest in science and scientific developments. Students of Chemistry learn the basic principles of Chemistry through a mix of theoretical and practical studies. They develop an understanding of the scientific skills essential for further study at the Cambridge International A Level. These skills are useful in everyday life. They learn how science is studied and practiced, and become aware of the results of sciences

Assessment Summary

Paper 6 is common for both CORE & EXTENDED

Paper 1-Core	Paper2-Extended	Paper 3 - Core	Paper 4-Extended	Paper6
45 minutes	45 minutes	1 hour 15 min	1 hour 15 min	1 hour
A multiple-choice paper consisting of 40 items of the four-choice type.	A multiple-choice paper consisting of 40 items of the four-choice type.	A written paper consisting of short-answer and structured questions.	A written paper consisting of short-answer and structured questions.	Alternative to Practical paper
Given weightage at 30% of total available marks	Given weightage at 30% of total available marks	Given weightage at 50% of total available marks	Given weightage at 50% of total available marks	Given weightage 20% of total available marks

Career and University Pathways

Chemical engineer, Materials scientist, Agricultural chemist, Doctor, Chemical salesperson, Chemistry teacher or college professor, Environmental chemist, Food and flavor chemist, Forensic chemist, Geochemist (study chemicals in rocks), Hazardous materials expert, Medicinal chemist, Pulp and paper chemist, Safety or health inspector Textile chemist, Water chemist.

Biology

(CAIE Syllabus code-0610)

Course Outline

The aims are to:

- provide an enjoyable and worthwhile educational experience for all learners, whether or not they go on to study science beyond this level
- enable learners to acquire sufficient knowledge and understanding to:
 - become confident citizens in a technological world and develop an informed interest in scientific matters
 - be suitably prepared for studies beyond Cambridge IGCSE
- allow learners to recognize that science is evidence based and understand the usefulness, and the limitations, of scientific method
- develop skills that: are relevant to the study and practice of biology; are useful in everyday life; encourage a systematic approach to problem solving; encourage efficient and safe practice; encourage effective communication through the language of science
- develop attitudes relevant to biology such as: concern for accuracy and precision, objectivity, integrity, enquiry,

initiative, inventiveness

- enable learners to appreciate that: science is subject to social, economic, technological, ethical and cultural influences and limitations; the applications of science may be both beneficial and detrimental to the individual, the community and the environment.

Assessment Summary

Paper 6 is common for both CORE & EXTENDED

Paper 1-Core	Paper2-Extended	Paper 3 - Core	Paper 4- Extended	Paper6
45 minutes	45 minutes	1 hour 15 min	1 hour 15 min	1 hour
A paper consisting of 40 four-choice multiple-choice questions. Given weightage at 30% of total available marks	A paper consisting of 40 four-choice multiple-choice questions. Given weightage at 30% of total available marks	A written paper consisting of short-answer and structured questions. Given weightage at 50% of total available marks	A written paper consisting of short-answer and structured questions. Given weightage at 50% of total available marks	Alternative to Practical paper Questions will be based on the experimental Skills Given weightage at 20% of total available marks

Career and University Pathways

Clinical molecular geneticist, Higher education lecturer, Nature conservation officer, Pharmacologist, Research scientist (life sciences), Research scientist (medical), Secondary school teacher, Soil scientist, Dentist, General practice doctor, Science writer, Training and development officer, Biotechnologist, etc.

ACCOUNTING

Pearson Edexcel International GCSE Accounting

Subject Code : 4AC1

Course Outline

Universities and employers accept Pearson Edexcel Accounting as proof of an understanding of the theory and concepts of accounting, and the ways in which accounting is used in a variety of modern economic and business contexts. Candidates focus on the skills of recording, reporting, presenting and interpreting financial information; these form an ideal foundation for further study, and for a future career within the profession.

The aims of the Cambridge IGCSE Accounting syllabus is to enable students to develop:

- Knowledge and understanding of the principles and purposes of accounting for individuals, businesses, non-trading organisations and the society as a whole

- Understanding of accounting principles, policies, techniques, procedures and terminology
- Improved skills of numeracy, literacy, communication, enquiry, presentation and interpretation
- Understand the use of accounting as a means of assessing the financial position of an organisation
- Excellent foundation for advanced study.
- Develop an understanding of International Accounting Standard terminology – using International Financial Reporting Standards (IFRS) principles, procedures and techniques.

Assessment Summary

Paper 1	Paper 2
<p align="center">2 hour Examination (100 marks= 66.6 % of total marks)</p>	<p align="center">1 hour 15 minutes Examination (50 marks= 33.3% of total marks)</p>
<p>Mixture of multiple-choice questions, short and long answer questions Questions will be based on all syllabus content Externally assessed</p>	<p align="center">Structured Paper Questions will be based on all syllabus content Externally assessed</p>

Career and University Pathways

The accounting pathway and a background in accounting leads to wealth of exciting and interesting careers working in financial occupations either in:

- Industry (on the finance team of a single company)
- Practice (where you work with multiple clients and industries) like the Big Four: Deloitte, Ernst & Young, Price Waterhouse Coopers and KPMG.

Understanding finance is also a great asset if one sets up one's own business.

Career opportunities include but are not limited to - Public Accountant, Tax Accountant, Forensic Accountant, Financial Accountant, Managerial Accountant, Financial Planner, Internal Auditor, Government Accountant, Chartered accountant, Auditor, Banker, Credit analyst, Tax Analyst, Risk Analyst, Cost accountant etc.

Business Studies **(CAIE Syllabus code-0450)**

Course Outline

Cambridge IGCSE Business Studies is accepted by universities and employers as proof of an understanding of business concepts and techniques across a range of different types of businesses. Successful Cambridge

IGCSE Business Studies learners will be able to:

- understand different forms of business organisations, the environment in which businesses operate and business functions such as marketing, operations and finance
- appreciate the role of people in business success. They will also gain lifelong skills, including:
- the ability to calculate and interpret business data
- communication skills needed to support arguments with reasons
- the ability to analyse business situations and reach decisions or judgements.

Assessment Summary

For Cambridge IGCSE Business Studies, candidates take two compulsory components, Paper 1 and Paper 2. Both question papers will draw on topics taken from the whole of the syllabus content. All candidates are eligible for grades A* to G. The four assessment objectives in Cambridge IGCSE Business Studies are:

Knowledge and understanding

Application

Analysis

Evaluation

Paper 1	Paper 2
1 hour 30 minutes Examination (80 marks)	1 hour 30 minutes Examination (80 marks)
Short answers and structured data responses.	Case Study

Career and University Pathways

The academic study of business is a perennial favorite with students at all levels of study. In fact, statistics have shown that degrees that fall under the remit of business are the most popular in the world. The career options for Business studies students are:

Management consultancy ,trading, teaching, particularly with head-teacher roles, chartered accountancy, advertising ,investment banking, bank management, retail buying, distribution and logistics management, insurance underwriting, marketing executive, consumer products, market research executive, personnel officer, public relations officer, retail management & sales..

Economics

(CAIE Syllabus code-0455)

Course Outline

Cambridge IGCSE Economics is accepted by universities and employers as proof of knowledge and understanding of economics. Successful Cambridge IGCSE Economics candidates gain lifelong skills, including:

- an understanding of economic theory, terminology and principles
- the ability to apply the tools of economic analysis
- the ability to distinguish between facts and value judgements in economic issues
- an understanding of, and an ability to use, basic economic numeracy and literacy
- the ability to take a greater part in decision-making processes in everyday life
- an understanding of the economies of developed and developing nations
- an excellent foundation for advanced study in economics

Assessment Summary

Paper 1	Paper 2
45 minutes (30 marks)	2 hours 15 minutes (90 marks)
Multiple choice	Candidates answer one compulsory question, which requires them to interpret and analyse previously unseen data relevant to a real economic situation, and three optional questions from a choice of six

Career and University Pathways:

Understanding of economic issues has become quite indispensable for all sections in the society.

The vast majority of bachelor degree holders in economics find employment in closely related fields, such as business, finance or insurance. They can also work as Professors, Economists, Advisors, Researchers.

COMBINED SCIENCE (CAIE Syllabus Code - 0653)

Course Outline:

Cambridge IGCSE Combined Science enables learners to:

- increase their understanding of the technological world
- take an informed interest in scientific matters
- recognize the usefulness (and limitations) of scientific method, and how to apply this to other disciplines and in everyday life
- develop relevant attitudes, such as a concern for accuracy and precision, objectivity, integrity, enquiry, initiative and inventiveness
- develop an interest in, and care for, the environment
- better understand the influence and limitations placed on scientific study by society, economy, technology, ethics, the community and the environment
- develop an understanding of the scientific skills essential for both further study and everyday life.

Assessment Summary

Paper 1	Paper 2	Paper 3
45 minutes 40 marks (30%)	1 hour 15 minutes 80 marks (50%)	1 hour 40 marks (20%)

Multiple Choice 40 four-option multiple-choice questions. Externally assessed	Theory Short-answer and structured questions Externally assessed	Alternative to Practical Questions will be based on the experimental skills in section 4. Externally assessed
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Career and University Pathways:

Clinical molecular geneticist, Higher education lecturer, Nature conservation officer, Pharmacologist, Research scientist (life sciences), Research scientist (medical), Secondary school teacher, Soil scientist, Dentist, General practice doctor, Science writer, Training and development officer, Biotechnologist, etc.,.

SECOND LANGUAGE

Urdu

(EDEXCEL Syllabus code-1UR0)

Course Outline

The Pearson Edexcel Level 1/Level 2 GCSE (9–1) in Urdu allows students to develop their ability to communicate with Urdu native speakers in both speech and writing. Students will study across a variety of contexts relevant to their age and interests and will also develop a greater awareness of the culture of Urdu-speaking communities and countries. Students will need to develop and use their knowledge and understanding of Urdu grammar progressively through their course of study.

The Edexcel GCSE in Urdu consists of four units based on the following skills:

Skill	Weighting	Assessment Objectives
Listening	25%	AO 1
Speaking	25%	AO 2
Reading	25%	AO 3
Writing	25%	AO 4

Assessment Summary

Paper 1: Listening and understanding in Urdu	Paper 2: Speaking in Urdu
(Paper code: 1UR0/1F and 1H)	(Paper code: 1UR0/2F and 2H)
Written examination Foundation tier: 35 minutes including 5 minutes' reading time; 50 marks Higher tier: 45 minutes including 5 minutes' reading time; 50 marks 25% of the total qualification	Internally conducted and externally assessed Foundation tier: 7–9 minutes plus 12 minutes' preparation time; 70 marks Higher tier: 10–12 minutes plus 12 minutes' preparation time; 70 marks 25% of the total qualification

Paper 3: Reading and understanding in Urdu	Paper 4: Writing in Urdu
(Paper code: 1UR0/3F and 3H)	(Paper code: 1UR0/4F and 4H)
Written examination Foundation Tier: 45 minutes;50 marks. Higher Tier:1 hour5 minutes;50 marks 25% of the total qualification	Written examination Foundation Tier:1hour 15 minutes; 60 marks. Higher Tier:1 hour25 minutes; 60 marks 25% of the total qualification

One question paper per candidate (**either** at Foundation Tier **OR** Higher Tier)

Career and University Pathways

Knowledge and fluency in a variety of languages plays a vital role in the future of students and gives them a decisive edge in this very competitive world. Urdu is a language that contains most Islamic literature after Arabic. Being one of the most spoken language in Asia and the Gulf region, the demand of learning Urdu has increased. In the future it widens your understanding, improves employability, stands out when applying for higher education and enables to study overseas. Some universities offer extra credit points on learning a foreign language.

People can work in any environment ranging from Media (anchoring, casting, acting etc), Public Relations, Officers, Interpreters, Journalism, Hospitality, Tourism and Managers of various division(Sales, HR, Administration) and in Multinational Organisations.

French (GCSE (9-1) French 1FRO)

Course Outline

The Edexcel GCSE in French consists of four units based on the following skills:

Unit 1 Listening and understanding in French

Unit 2 Speaking in French

Unit 3 Reading and understanding in French

Unit 4 Writing in French

Assessment Summary

Paper 1: Listening and understanding in French	Paper 2: Speaking in French
(Paper code: 1FR0/1F and 1H)	(Paper code: 1FR0/2F and 2H)
Written examination Foundation tier: 35 minutes including 5 minutes' reading time; 50 marks Higher tier: 45 minutes including 5 minutes' reading time; 50 marks 25% of the total qualification	Internally conducted and externally assessed Foundation tier: 7–9 minutes plus 12 minutes' preparation time; 70 marks Higher tier: 10–12 minutes plus 12 minutes' preparation time; 70 marks 25% of the total qualification
Paper 3: Reading and understanding in French	Paper 4: Writing in French
(Paper code: 1FR0/3F and 3H)	*(Paper code: 1FR0/4F and 4H)

Written examination
 Foundation tier: 45 minutes; 50 marks. Higher tier: 1 hour; 50 marks
 25% of the total qualification

Written examination
 Foundation tier: 1 hour 10 minutes; 60 marks. Higher tier: 1 hour 20 minutes; 60 marks
 25% of the total qualification

Career and University Pathways

French (as any other foreign language) is good for you even if after you graduate you never use it again for the rest of your life. However, it certainly adds to your CV and benefits your employment prospects for being multilingual and also fetches better employment opportunities.

Knowing French will improve your vocabulary in English. Some 40% to 50% of English vocabulary comes from French. The study of French will also enhance your grammar skills, and your increased proficiency in English will greatly improve your scores on the verbal section of the SAT and the ACT. As you develop greater skills in French, you also sharpen your skills in English. Most graduate schools require knowledge of at least one foreign language, and French is a common choice for many fields of study.

Here is an introduction to some of the jobs that languages can be used for, obviously, this list is not exhaustive; it is just to give you an idea of what kinds of jobs your language skills might qualify you for and to help you find a starting place for your own research.

Teaching, Translation / Interpretation, Editing / Proofreading, Travel, Tourism, Hospitality, Foreign Service, International Organizations, & Other International Careers

Alternative to Second Language Travel & Tourism (CAIE syllabus code- 0471)

Course Outline

IGCSE Travel and Tourism is designed to help meet the need for skilled and knowledgeable individuals in this rapidly diversifying industry. The intention of the syllabus is to provide a broad introduction to the travel and tourism industry and related ancillary service industries.

The syllabus develops practical skills across a range of working roles, as well as providing a global and local perspective on travel and tourism. Students gain an overview of the industry, and learn about popular destinations, customer care, working procedures, travel and tourism products and services, and marketing and promotion.

Through their studies, students will gain an understanding of the concepts, models and theories used within the industry, and also enhance their skills of investigation, analysis, interpretation and evaluation.

Assessment Summary

Paper 1	Paper 2
2 hours (100 marks)	2 ½ hours (100 marks)
Short answer question paper.	Alternative to Coursework Short answer question paper, based primarily on Unit 5 of the syllabus

Career and University Pathways

Travel and Tourism industry provides careers in: State tourism agencies, immigration and customs services, travel agencies, airlines, tour operators, hotels, tourist services.

Environmental Management

(CAIE Syllabus code-0680)

Course Outline:

Cambridge IGCSE Environmental Management is accepted by universities and employers as proof of knowledge and understanding of issues concerning sustainable development and how the earth's resources are used. Students studying this syllabus:

- draw on disciplines such as biology, earth science, geography, economics and anthropology;
- consider the interdependence of the earth's natural systems, and how people use natural resources;
- examine the impact of development on the environment considering issues such as environmental pollution and resource depletion;
- explore ways in which we may change the nature of future development to make it more sustainable.

Assessment Summary:

Paper 1	Paper 2
1 hour 45 minutes (80 marks)	1 hour 45 minutes (80 marks)
Paper 1 Theory The paper will consist of two sections: Section A Short-answer and structured questions. (20 marks) Section B Short-answer and extended response questions based on related source material. (60 marks)	Paper 2 Management in context A written paper consisting of short-answer, data processing and analysis, and extended response questions based on source material. Candidates will be expected to make use of information from the source material to help illustrate issues of environmental management.

Career and University Pathways : There are many career opportunities for students who pursue EM, such as Environmental Engineers, Environmental Scientists, consultants, Nature Biologist, Pollution Analyst and many more in reputed firms.

Global Perspectives

(CAIE Syllabus code- 0457)

Course Outline: Cambridge IGCSE Global Perspectives aims to develop learners who:

- are independent and empowered to take their place in an ever-changing, information-heavy, interconnected world
- have an analytical, evaluative grasp of global issues, their causes, effects and possible solutions
- enquire into and reflect on issues independently and in collaboration with others from a variety of different cultures, communities and countries
- work independently as well as part of a team, directing much of their own learning with the teacher as facilitator
- consider important issues from personal, local, national and global perspectives and who understand the links between them
- critically assess the information available to them and make judgements with lines of reasoning
- communicate and empathies with the needs and rights of others

Assessment Summary

Individual Report	Team Project	Written Examination
30%	35%	35%
Candidates research one topic area (from a choice of eight) of personal, local and national and global significance and submit one report based on their research.	Candidates devise and develop a collaborative project into an aspect of one topic (from a choice of eight). Candidates produce as a team one Outcome and one Explanation as a Collaboration. Candidates each write a Reflective Paper on their research, contribution and personal learning.	Compulsory questions based on global issues from a range of Perspectives.
Externally assessed	Teacher assessed. Moderated by Cambridge.	Externally assessed

Career and University Pathways: Global Perspective is offered by many schools around the world, as it forms a strong foundation for research in any branch of science or humanities. Candidates who are awarded grades C to A* in Cambridge IGCSE Global Perspectives are well prepared to follow courses leading to Cambridge International AS and A Level or the equivalent in a wide variety of subjects, especially across the humanities and social sciences. In particular, this IGCSE syllabus allows progression to Advanced level Global Perspectives qualifications. Moreover, it helps the students to compete with their peers doing the IB curriculum.

GEOGRAPHY

(AQA Syllabus code- (9230))

Course Outline:

The course encourages students to:

- be inspired, motivated and challenged by following a broad, coherent, practical, satisfying and worthwhile course of study
- develop their curiosity about the living world, enable students to engage with Geography in their everyday lives in order to make informed choices about further study in Geography and related disciplines
- develop and extend their knowledge of locations, places, environments and processes, and of different scales including global; and of social, political and cultural contexts (know geographical material)
- gain understanding of the interactions between people and environments, change in places and processes over space and time, and the inter-relationship between geographical phenomena at different scales and in different contexts (think like a geographer)
- develop and extend their competence in a range of skills including those used in fieldwork, in using maps and Geographic information system (GIS) and in researching secondary evidence, including digital sources; and develop their competence in applying sound enquiry and investigative approaches to questions and hypotheses (study like a geographer)
- apply geographical knowledge, understanding, skills and approaches appropriately and creatively to real world contexts, including fieldwork, and to contemporary situations and issues; and develop well-evidenced arguments drawing on their geographical knowledge and understanding (applying geography).

Assessment Summary

Paper 1: Living with the physical environment	Paper 2: Challenges in the human environment	Paper 3: Fieldwork and enquiry skills
1 hour 30 minutes. 80 marks. 34%	1 hour 30 minutes. 80 marks. 34%	1 hour 15 minutes. 75 marks. 32%
The challenge of natural hazards. The living world. Physical landscapes.	Urban issues and challenges. The changing economic world. Global issues.	Fieldwork and enquiry skills.

Career and University Pathways: Career Prospects of Geography as a subjects.

The analytical and research skills gained from your geography degree are attractive to a range of employers.

<p>Jobs directly related to your degree:</p> <ul style="list-style-type: none"> Cartographer Commercial/residential surveyor Environmental consultant Geographical information systems officer Planning and development surveyor Secondary school teacher Town planner 	<p>Jobs where your degree would be useful:</p> <ul style="list-style-type: none"> Astronomer International aid/development worker Landscape architect Logistics and distribution manager Market researcher Nature conservation officer Political risk analyst Sustainability consultant Tourism officer Transport planner
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ART AND DESIGN

Edexcel Syllabus Code FINE ART (4FA1)

Course structure

- The **PEARSON EDEXCEL INTERNATIONAL GCSE** in Art and Design comprises five endorsed titles, each with content specified in this section: • Fine Art (4FA1) • Graphic Communication (4GC1) • Photography (4PY1) • Textile Design (4TE1) • Three-dimensional Design (4TD1)
- Students must work in the same endorsed title for both components in order to be awarded an International GCSE grade. For example, if a student chooses Fine Art for component one, then they must continue with Fine Art for component two.

THE BROAD AREAS OF STUDY ARE:

- Painting and related media
- Print making
- Three-dimensional design •
- Graphic communication
- Textiles and fashion.

ASSESSMENT OVERVIEW

All candidates take two components

Component 1 Personal Portfolio	Component 2-Externally-set Assignment
Coursework - 50% of the total International GCSE 72 marks This component gives students opportunities to: • develop and explore ideas • research primary and contextual sources • experiment with media, materials, techniques and processes • present	10 hours 72 marks • Externally set • Externally marked 100 marks • Students must continue to work in the same endorsed title as they did for the Personal Portfolio. For example, if a student chooses Fine

<p>personal response(s) to theme(s) set by the center.</p> <p>.Assessment Students must submit:</p> <ul style="list-style-type: none"> • three sheets of supporting studies (maximum size A2 for each sheet) • One sheet of final outcome/s (maximum size A2). <p>Students' work must show evidence of all four Assessment Objectives in response to the internally-set theme(s), project(s) or task(s). Internally set Externally assessed</p>	<p>Art for component one, then they must continue with Fine Art for component two. • Students must present personal response(s) to an externally set broad-based thematic starting point, set by Pearson in the Externally Set Assignment.</p> <p>Assessment Students must submit:</p> <ul style="list-style-type: none"> • three sheets of supporting studies (maximum size A2 for each sheet) • One sheet of final outcome/s (maximum size A2). Students' work must show evidence of all four Assessment Objectives in response to the Externally Set Assignment theme. All work is externally set and is externally marked using the assessment grid.
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Assessment objectives

The assessment objectives (AOs) are:

AO1 -develop ideas through investigations, demonstrating critical understanding of sources
AO2 -refine work by exploring ideas, selecting and experimenting with appropriate media, materials, techniques and processes
AO3- record ideas, observations and insights relevant to intentions as work progresses
AO4-• present a personal and meaningful response that realizes intentions and demonstrates understanding of visual language

CAREERS

Art is a useful qualification either for progression to a Higher Education in an Art or Design subject or as a general background to creative course and careers. Taking Art & Design as an option can lead to many exciting opportunities for the future. With Art you may become an interior designer or the next big animator. You could go into illustration, architecture, fashion or graphic design. There are literally thousands of options. Even if you are not planning on a future career in the creative arts, it looks great on college and university applications. This is because being an artist requires passion, imagination, risk taking and shows commitment, individuality and creativity. Qualities and skills used in every career.