



YEAR 9 OPTIONS BOOKLET

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INTRODUCTION: FROM THE PRINCIPAL

Dear Parents and Students,

Please find details of the GCSE/IGCSE courses that Day Waterman College offers. I am sure you will agree it is a choice that offers a wide range and caters for all academic interests. The Key Stage 4 phase of education is the first time that our students will have elected to study academic subjects. It is therefore a vital time in their education. Day Waterman College will provide all the support and guidance that your child will need to ensure that the choices made are well suited.

Thank you to all my colleagues for writing, collating, printing and distributing this booklet. I urge you to read the document carefully as you will find wise advice and details about all courses taught at Day Waterman College.

Oprah Winfrey remarked that “Education is the key to unlocking the world, a passport to freedom.” GCSEs form an important part of this passport. I do hope that both as parents and as students you enjoy the challenge that awaits you over the next two years.

Best wishes

Duncan Gowen
Principal



INTRODUCTION: FROM THE VICE PRINCIPAL - ACADEMICS

The curriculum at DWC will provide our students with all they need in order to follow any career they wish in the future. We are committed to offering a curriculum which provides a broad, balanced, relevant and personalised learning experience for all our students.

The Year 9 Options booklet is designed to inform our Year 9 students and their parents/guardians about the courses on offer and the curriculum options available to students from September 2021. Year 9 is an important time when students make exciting choices that will play a large part in shaping their future educational and career opportunities. I advise that you study carefully the information in this booklet in order to be thoroughly guided.

During Key Stage 3 (Years 7-9) students follow a broad curriculum covering all subjects that are required as part of the National Curriculum in the UK as well as Yoruba and Civic. At Key Stage 4 (Years 10 – 11) students have some choices about the subjects and it is vital they choose wisely. Therefore, the aim of this booklet is to inform you about the available subjects in two broad categories: compulsory and optional.

Selecting optional subjects should not be undertaken lightly. You do need to think carefully about your interests and abilities. Consideration also needs to be given to possible further study as a subject not taken at IGCSE level may be very difficult, if not impossible, to take at a higher level.

Do not be influenced by the choices of your friends. Bear in mind that their apt decision might be totally inappropriate for you.

All students will have the opportunity to take part in an interview with the Counsellor or a member of the Senior Leadership Team to help with the options choices. This is a pivotal time in the development of our students' future.

We wish all of our students' good luck in their choices knowing that, with hard work, persistence, self-confidence and organisation they will succeed.

Finally, the table below provides an overview of the full options process.

DATE	OPTIONS PROCESS FOCUS
22 nd - 24 th February	Careers week (<i>postponed</i>)
Saturday 27 th February	Online options presentation for parents
Monday 1 st March	Year 9 online parent consultation week
Monday 29 th March	Completion of initial options choice
Monday 19 th April	Parents return second options choice
1 st Week in May	Interview with SLT/Counsellor/Head of year regarding options
2 nd Week in May	Student notified of final option choices

Susan Moran
Vice Principal, Academics

January 2021

FREQUENTLY ASKED QUESTIONS (PARENTS AND PUPILS)

WHY DO LEARNERS AT DWC DO THE INTERNATIONAL GCSE?

The IGCSE is the world's most popular international qualification for 14-16 year olds. It is taken in more than 160 countries. More than 3000 schools worldwide offer IGCSEs and many of the top UK independent schools have switched to IGCSEs. The IGCSE is an international passport to progression and success. It is recognized around the world by employers and universities as evidence of academic ability.

WHEN DO I TAKE THE EXAMS?

IGCSE examinations are linear qualifications, meaning that learners take all of the examinations at the end of the course. The examinations are normally held in May/June. There are many types of assessment to suit different learners – oral, coursework and practical. This broadens opportunities for learners to demonstrate their learning. Check carefully the assessment sections in this options booklet – play to your strengths – coursework, exams, essays, short questions?

HOW IS THE IGCSE COURSE STRUCTURED?

The IGCSE is a rigorous 2-year linear programme of study. Each subject's course contents are in this options booklet. Make sure that you speak to your teachers to see that the material covered will be of interest to you.

HOW SHOULD I MAKE MY CHOICE?

Consider three things when deciding your subject options: what do I enjoy; what do I think I am best at; how will it help me in the future. This will involve lots of discussions with parents, subject teachers, older learners and your tutor. Certain subjects are compulsory: English Language, English Literature, Mathematics, Religious Education. You will also continue to take none IGCSE subjects Physical Education and Personal and Social Health Education once a week. Keep your choices as wide as possible, to reflect the ever-changing nature of education. We strongly advise you to consider a range of options such as a Humanities subject to demonstrate ability to write in-depth essays and communicate arguments effectively. Consider a practical creative subject such as Art or Drama. Look at whether there is coursework attached to the subject and be aware of how demanding it can be in terms of workload. A modern foreign language may be desirable when applying for further education courses in the future. The two-year IGCSE courses are all challenging and require effective time management and independence. A set of realistic choices made now will help you to succeed in your exams in two years' time. Most importantly, you have to enjoy it!

ARE THERE OPTION BLOCKS?

The option blocks will vary each year, depending on the choices of the cohort. This is a two-stage process. Each year we ask Year 9 learners to make an initial options choice to identify the potential combinations of subjects. This is important to make sure we can combine the subjects your son/daughter wishes to take and determine the option blocks for that year. The option blocks will then be identified on the final options form.

HOW DO WE KNOW WHAT OPTIONS ARE MOST SUITABLE FOR MY CHILD?

Have conversations with your child about what they enjoy and what they would like to do, then speak to your child's tutor and the relevant subject teacher. If you are concerned about career prospects please arrange a meeting with our Careers and Guidance Advisor.

HOW WILL CHOICES AFFECT FUTURE FURTHER EDUCATION OPTIONS, UNIVERSITY AND CAREERS?

Some careers and higher education courses require specific subjects. Your chances of success in these post-16 courses may depend on what options are selected at IGCSE. You may already have a specific course or career in mind, in which case you may need to make sure your proposed combination of IGCSE subjects is suitable. If you are unsure, then talk to your teachers. You might want to make an appointment with the Guidance Counsellor. In most cases though, it is important to bear in mind that you really should avoid choosing too narrow a range of subjects in order to keep your future options open.

HOW ARE THE IGCSE EXAMINATIONS GRADED?

The grades range from 9 to 1, with grades 9 to 4 being recognised as passing grades with regards to entrance to further education courses. The final percentages and grade boundaries are set in the UK, by the exam boards, and then communicated back to the school.

Day Waterman College uses two (2) accredited examination boards: Cambridge and Edexcel. Some IGCSE subjects offer a choice of tiered examinations: Core (Foundation) or Extended (Higher) papers (in Cambridge), and Foundation or Higher papers (in Edexcel). This is designed to make IGCSE suitable for students with varying levels of ability. In some subjects, IGCSE can be taken with or without coursework. The qualification involves studying the theory of a subject, combined with some investigative work. Some subjects may also involve practical work. All subjects (except Sociology) use the 9-1 IGCSE grading system.

9 8 7	A* A
6 5 4	B C
3 2 1	D E F G
U	U

KEY STAGE 4: CORE/COMPULSORY SUBJECTS

CORE SUBJECTS	OPTIONAL SUBJECTS			
English Language	Biology	Geography	Music	Further Mathematics
English Literature	Chemistry	History	Art & Design	ICT
Mathematics	Physics	Business Studies	Design & Technology	Spanish
Religious Education	Computer Science	Economics	Drama	French
PSHE*		Sociology		
Physical Education*				

- Core subjects are compulsory and are studied by all pupils
- *PE and Personal and Social Health Education are **non-examined subjects**
- Pupils will choose **at least once Science subject**
- Pupils can choose up to 6 optional subjects (maximum of 10 IGCSE qualifications)

Subjects will be placed into option blocks for timetabling purposes after students have expressed their preferences; not all combinations of option choices may be possible. We do our best to meet all our students' first choices but, inevitably, this cannot be guaranteed.

Initially, parents will be contacted via email to fill in an online form which will indicate their child's option preferences. I encourage you to discuss the choices during the half term holiday. This information will be used to construct the option blocks before the final choices are made.

We will do our utmost to satisfy the choices of all students. A few individual students will possibly need to make slight alterations to their original choices. We will be looking especially closely at the abilities of individual students and guiding them towards taking courses that will give them the best opportunity of success. This will include individual interviews with senior staff. Careful consideration will have to be given to the size of teaching groups.

DOS AND DON'T

Do choose a subject because:

- you are good at it and you enjoy it;
- it links to a career plan;
- it will help you to develop skills you need for the future;
- it will go well with your other subjects;
- it will enable you keep your options open;
- It is a subject you may like to study more in the future.

Don't choose a subject because:

- your friends have chosen it;
- you think it will be easy;
- someone else thinks it will be a good idea;
- you like your current teacher;
- you couldn't think of anything else;
- you didn't have time to research your options properly.

PLEASE NOTE

Every effort will be made to accommodate all option choices and to run courses as shown. However, this will depend on take up numbers. Do consider one reserve (second choice) in case your first choice is not available.

DWC does not encourage changing of optional subjects, however, the deadline to change a subject if you feel you have made a wrong choice is October half term (Year 10). This will be done in consultation with the parents, subject teacher and Vice Principal Academics.

If you have further questions, do not hesitate to ASK. Good luck.



SUBJECT: ENGLISH LANGUAGE

Title of Qualification: IGCSE English Language

Examination Board and Specification: Edexcel (Specification B) English Language 4EB1

Assessment: Paper 1 – Reading & Writing (3 hours)

Examination Entry: Grades 9-1

Paper code: 4EB1/01

Course Overview:

Students will study five units over the course of two years. Focus will be on developing specific skills in inference, exploration, linguistic analysis, deduction AND general skills like retrieval, synthesis as well as ingenious composition of ideas.

Expectations of students who study this course:

- Demonstrate a perceptive understanding of variety of genres.
- Explore how writers use linguistic and structural devices to achieve their intents.
- Communicate skilfully while adapting form, tone and register for specific purposes and audiences.
- Write and speak succinctly using a myriad of purposefully selected rhetorical devices.

Additional information: English Language is a core subject and is to be offered by all students.

For further information:

Visit Edexcel website <https://qualifications.pearson.com/en/qualifications/edexcel-international-gcses-and-edexcel-certificates/international-gcse-english-language-b-2016.html>

SUBJECT: ENGLISH LITERATURE

Title of Qualification: IGCSE English Literature

Examination Board and Specification: Edexcel English Literature 4ET1

Assessment:

- Paper 1 – Poetry and Modern Prose (2 hours)
- Paper 2 – Modern Drama and Literary Heritage Texts (1 hour, 30 minutes)
-

Examination Entry: Grades 9-1

Paper Code (Paper 1): 4ET1/01

Paper Code (Paper 2): 4ET1/02

Course Overview:

Students will study five units over the course of two years. Focus will be on classical as well as contemporary prose, drama, and poetic works.

Expectations of students who study this course:

- Find pleasure in reading Literature.
- Critically appreciate the richness in aesthetic works irrespective of culture.
- Demonstrate an informed personal engagement with texts.
- Analyse stylistic tools deployed by writers to convey their concerns.
- Insightfully explore connections between whole and aspects of texts.

Additional information:

Literature, a fundamental vehicle for understanding human experiences as conveyed through the unique expressive power of language, is a core subject offered by all students. It propels students to delve into subtleties while exploring diverse cultures and perceptions. Most importantly, the higher level critical thinking skills acquired in this literary studies is transferable to every aspect of human endeavor.

For further information:

Visit Edexcel website <https://qualifications.pearson.com/en/qualifications/edexcel-international-gcses-and-edexcel-certificates/international-gcse-english-literature-2016.html>



SUBJECT: MATHEMATICS

Title of Qualification: IGCSE Mathematics

Examination Board and Specification: EDEXCEL Mathematics Specification A, 4MA1

Edexcel 9-1 International GCSE Mathematics A specification and support materials have been developed with the help of teachers, higher education representatives and subject expert groups.

Assessment and Examination Entry

- Examinations will be the Higher Tier of the two written papers, 3H and 4H. Each paper is assessed through a two-hour examination set and marked by Edexcel. The total number of marks for each paper is 100. Grades are from 9 to 4.
- All students begin the IGCSE Mathematics course after the End of KS3 Test in April, and study a 'common' module which will bridge the gap from Key Stage 3 to Key Stage 4.
- All students will be registered for the Higher Tier. Grades 9 – 4
- Edexcel 9-1 International GCSE Mathematics A specification and support materials have been developed with the help of teachers, higher education representatives and subject expert groups.

Course Overview: What will I learn?

There are three main assessment objectives to be covered in all strands of Mathematics namely:

AO 1: Numbers, Calculating, Algebra and Calculus;

AO 2: Shape, Space and Measures (Mensuration, Geometry, Trigonometry, Vectors and Transformation Geometry);

AO 3: Handling Data (Statistics and Probability).

Expectations of students who study this course:

To exhibit a determined and committed attitude throughout Year 10 and Year 11. To ask for support from teaching staff when needed.

To strive for excellence.

Additional information:

Being an essential subject for all learners, Edexcel IGCSE Mathematics encourages the development of mathematical knowledge as a key life skill, and as a basis for more advanced study. The syllabus aims to build learners' confidence by helping them develop a feel for numbers, patterns and relationships, and places a strong emphasis on solving problems and presenting and interpreting results. Learners also gain an understanding of how to communicate and reason using mathematical concepts. Mathematics can lead to courses such as Engineering, Architecture, Surveying, Geodesy, Photogrammetry, Economics, Banking and Finance, Geology and Mining, Education (Mathematics), Optimum/Quality Control, Insurance, Meteorology, Space Management and Navigation, Astronomy, Geophysics, Nuclear/Atomic, Physics, Piloting, Sea Navigation, Operational Research etc.

For further information:

Visit Edexcel website <https://qualifications.pearson.com/en/qualifications/edexcel-international-gcses-and-edexcel-certificates/international-gcse-mathematics-a-2016.html>

SUBJECT: RELIGIOUS STUDIES

Title of Qualification: IGCSE Religious Studies

Examination Board and Specification: EDEXCEL IGCSE 4RSO1

Assessment: 100% EXAMINATION

Examination Entry:

One Tier. Grade 9 – 1

Edexcel 9-1 International GCSE Religious Studies specification and support materials have been developed with the help of teachers, higher education representatives and subject expert groups.

Course Overview:

It is made up of two components.

1. Component 1 is Part 1 of the scheme titled “Beliefs and Values.” This is sub divided into four sections of seven topics each. The four sections are:
 - a. The Universe, Creation and the Place of Human Beings
 - b. Life and Death
 - c. Peace and Conflict
 - d. Rights, Equality and Social Justice
2. The second component which is Part 2 of the scheme is titled “The Religious Community.” It is treated under 3 broad sections namely:
 - a. Origins and Impact on the Community
 - b. Celebration and Pilgrimage
 - c. Worship and Practice

Expectations of students who study this course:

Students will be expected to carry out independent work to help them develop the necessary skills. This include revision resources supplied as well as visiting the Edexcel website for further studies. Students are also expected to have a revision folder including sections for all topics studied.

Additional information:

Religious Studies is a compulsory IGCSE course for all students. It can lead to courses such as Education (Religious Education), Journalism, Theology, Law etc.

For further information:

Visit Edexcel website <https://qualifications.pearson.com/en/qualifications/edexcel-international-gcses-and-edexcel-certificates/international-gcse-religious-studies-2017.html>



SUBJECT: ART AND DESIGN

Title of Qualification: IGCSE Art and Design

Examination Board and Specification: Cambridge International Examinations (CIE) Art and Design 0989.

Assessment:

All students take two Components. Component 1 Coursework and Component 2 which is paper 2 Externally set assessment in the final IGCSE Examinations.

- Paper 1 – Coursework Assignment (50 marks). Internally marked by the school Art department and externally moderated by Cambridge.
- Paper 2 – (Compulsory) Externally set Assignment (50%). Externally Assessed.

All papers are assessed based on the specified 4 Assessment Objectives ranging from AO1 which is about gathering, recording, researching and investigating first hand resources to AO4: personal vision and presentation.

Examination Entry:

Students sit the Compulsory Paper 2 under Controlled Test examination condition of 8 hours. The Coursework **Paper 1** is undertaken as a project from the third segment of Year 10 till the end of Term 1 Year 11. Grades 1- 9

Course Overview:

IGCSE Art involves imagination, conceptual thinking, powers of observation, personal expression, sensitivity and analytical and practical attitudes. It also includes understanding of the roles of visual art/artists from different times and culture.

Our focus is in Painting and related media, although other areas include graphic communication, textile design, three dimensional studies, printmaking and photography. Attention is given to both the observational and interpretative methods.

Each final IGCSE paper requires students to produce some pages of supporting work during Preparatory period, with which the Final piece is compiled.

Expectations of students who are interested in the course:

- Strong interest and determination in Art and Design
- Good observational drawing skills through drawing, painting, designing, mixed-media, collage, printmaking, sculptural/textural techniques in 2 or 3 dimensions etc.
- Good understanding and control of the use of a range of Art materials and techniques like pencil, different liquid paint, pen, charcoal, sticky/dry pastel, ink, fabric, papier marche etc.
- Good interpretative, creative and thinking skills at creating art works to explain themes through different
- Art styles and approaches.
- Ability to follow teacher's advice.
- Showing enjoyment and ability to work hard over a good period of time. Not choosing Art as a pastime.
- **Minimum of Grade B in Art and Design in Year 9 to be eligible.**

Additional information:

Students are encouraged to consult with their Art teacher/department in the process of selection for more advice. Art and Design can lead to courses which include Photography, Graphic Design, Spatial Design, 3D Product Design, Fine Art, Education (Art) etc.

For further information: Visit CIE website: <http://www.cie.org.uk>

SUBJECT: BIOLOGY

Title of Qualification: IGCSE Biology 9070

Examination Board and Specification: CAMBRIDGE INTERNATIONAL EXAMINATIONS, CIE

Assessment:

Three externally examined papers:

- Paper 2 – A multiple-choice paper (45 minutes = 30% of final mark)
- Paper 4 – Written, short-answered paper (1 hour 15 minutes = 50% of final mark)
- Paper 6 – Alternative to Practical (1 hour = 20% of the final mark)

Examination Entry: Core and Extended. Grades 9-1

Course Overview:

With an emphasis on human biology, the Cambridge IGCSE Biology syllabus helps learners to understand the technological world in which they live and take an informed interest in science and scientific developments. Learners gain an understanding of the basic principles of Biology through a mix of theoretical and practical studies. They also develop an understanding of the scientific skills essential for further study at Cambridge International Examinations A Level, which are useful in everyday life.

As they progress, learners understand how science is studied and practised, and become aware that the results of scientific research can have both good and bad effects on individuals, communities and the environment. Students will study four units over the course of two years (10 and 11):

- Characteristics and classification of living things
- Organization and maintenance of the organisms
- Continuity of organisms, growth and development (in plants and animals) Relationships of organisms with one another and with their environment

Expectations of students who study this course:

- Demonstrate inductive and deductive reasoning skills.
- Possess skills and a passion for science and critical thinking. Enjoy hands-on experiments.
- Have the ability to use correct key words in description, explanation and definition of biological processes and terms.
- Draw quality biological diagrams.

Additional information:

Biology is an important subject as it lays foundation of important disciplines like Bioinformatics, Biotechnology, Biomedical Research, Molecular Biology, Genetics, Hematology, Oncology, Aerobiology, Botany, Animal science, Education (Biology) etc.

For further information: Visit CIE website www.cie.org.uk/igcse/biology

SUBJECT: BUSINESS STUDIES

Title of Qualification: IGCSE Business Studies

Examination Board and Specification: Cambridge International Examinations (CIE) Business Studies 0450

Assessment:

Written Examination

2 papers to be Externally Assessed by CIE (80 marks each)

- Paper 1 – Short answer and structured response questions
- Paper 2 – Case study

Examination Entry: One Tier. Grades 9 - 1

Course Overview:

The assessment will cover the following content heading:

1. Business activity
2. People in business
3. Marketing
4. Operation management
5. Financial information and decisions
6. External influences on business activity

Expectations of students who study this course:

- Understand different forms of business organizations, the environments in which businesses operate and
- Business functions such as marketing, operations and finance. Appreciate the role of people in business success.
- Gain the ability to calculate and interpret business data. Communicate skills needed to support arguments with reason
- Develop the ability to analyse business situations and reach decisions or judgment.

Additional information:

Business Studies is relevant to the world of work. Employers value the qualification and there are real opportunities to progress in education or employment. When you leave school and wish to get a job, you will understand a little more about the way a business works. If you choose not to become an employee, you will perhaps have the skills and knowledge to start your own business. Careers include Accountancy, Banking, Teaching, Insurance, Marketing, etc.

For further information: Visit CIE website <http://www.cie.org.uk/programmes-and-qualifications/cambridge-igcse-business-studies-0450/>

SUBJECT: CHEMISTRY

Title of Qualification: IGCSE Chemistry 9071

Examination Board and Specification: CAMBRIDGE INTERNATIONAL EXAMINATIONS (CIE)

Assessment:

Three externally examined papers:

- Paper 2 – A multiple-choice paper (45 minutes = 30% of final mark)
- Paper 4 – Written, short-answered paper (1 hour 15 minutes = 50% of final mark)
- Paper 6 – Alternative to Practical (1 hour = 20% of the final mark)

Examination Entry: Core and Extended Grades 9-1

Course Overview:

The assessment will cover the following content heading:

1. The particulate nature of matter and Experimental techniques
2. Atoms, elements and compounds
3. Stoichiometry
4. Electricity and Chemistry
5. Chemical energetics and Chemical reactions
6. Acids, bases and salts
7. The Periodic Table and Metals
8. Air and Water, Sulfur and Carbonates
9. Organic Chemistry

Expectations of students who study this course:

A committed attitude and an inquisitive and exploring mindset throughout Year 10 and Year 11.

Additional information:

The aims are:

1. To provide an enjoyable experience for all learners, whether or not they go on to study Chemistry beyond this level;
2. To enable learners to acquire sufficient knowledge and understanding to become confident citizens in a technological world; develop an informed interest in scientific matters; be suitably prepared for studies beyond Cambridge IGCSE.

Chemistry can lead to courses such as Engineering, Medicine, Pharmacy, Education (Chemistry) etc.

For further information: Visit CIE website www.cie.org.uk/igcse/chemistry



SUBJECT: COMPUTER SCIENCE IGCSE (COMP. SCI.)

Title of Qualification: IGCSE Computer Science

Examination Board and Specification: Cambridge International Examinations (CIE) Computer Science (0984)

Assessment: Assessment Objective for Practical Skills and Knowledge and Understanding

- **Paper 1:** Theory Part (75 marks 60% of total)
- **Paper 2:** Practical Skills (50 marks 40% of total)

Examination Entry: One Tier – Grades 9-1

Course Overview: The assessment objectives are:

AO1 Recall, select and communicate knowledge and understanding of computer technology

AO2 Apply knowledge, understanding and skills to solve computer science or programming problems

AO3 Analyse, evaluate, make reasoned judgements and present conclusions

Expectations of students who are interested in this course:

The aims are to develop:

- computational thinking, that is thinking about what can be computed and how, and includes consideration of the data required
- understanding of the main principles of solving problems by using computers
- understanding that every computer system is made up of sub-systems, which in turn consist of further sub-systems
- understanding of the component parts of computer systems and how they interrelate, including software, data, hardware, communications and people
- skills necessary to apply understanding to solve computer-based problems using a high-level programming language.

Additional information:

Computer science is part of everything we do!

Expertise in computer science enables you to solve complex, challenging problems.

Computer science enables you to make a positive difference in the world.

Computer science offers many types of lucrative careers.

Computer science jobs are here to stay, regardless of where you are located.

Expertise in computer science helps even if your primary career is something else.

Computer science offers great opportunities for true creativity and innovativeness.

Computer science has space for both collaborative work and individual effort.

Computer science is an essential part of well-rounded academic preparation.

Future opportunities in computer science are without boundaries.

For further information: Visit

<https://www.cambridgeinternational.org/Images/557042-2022-syllabus.pdf>

SUBJECT: DESIGN AND TECHNOLOGY

Title of Qualification: IGCSE Design and Technology

Examination Board and Specification:

Cambridge International Examination (CIE) Design and Technology 0445

Assessment:

The school offers Resistant Materials and Graphic Product options. For Cambridge IGCSE Design and Technology, candidates **must** take Paper 1 and Paper 5 while Paper 2 and Paper 3 are optional.

Paper 1 – Product Design (compulsory)	25% (1 Hour 15 minutes)
Paper 2 – Graphic Products (Optional)	25% (1 Hour)
Paper 3 – Resistant Materials Optional)	25% (1 Hour)
Paper 5 – School-based Project (Compulsory)	50% (2 Terms)

Examination Entry: One Tier. Grades 9 - 1

Course Overview:

The students are expected to:

1. Recall, select and communicate knowledge and demonstrate understanding in Design and Technology including its wider effects.
2. Apply knowledge, understanding and skills in a variety of contexts and in designing and making products.
3. Analyse and evaluate products, including their design and production.
4. Produce work in the form of A3-size folder and the 'made product'. Folders must include sufficient photographs of made product showing the detail of the school-based project that is internally marked and externally graded.

Expectations of students who study this course:

1. To have a minimum of grade 6 in D &T in year 9 to be eligible.
2. To present information clearly and accurately, making reasoned judgement and substantial conclusion.
3. To show good understanding of the stages of a design process, materials, workshop health and safety, tools and processes
4. To present ideas with good and clear drawing.
5. To be determined, focused and creative.

Additional information:

For the school-based project, student's individual project must centre on the option they have chosen from paper 1 or paper 3 While the use of Computer Aided Design (**CAD**) and Computer Aided Manufacture (**CAM**) are encouraged. Design & Technology can lead to courses such as Civil Engineering, Architecture, Software Engineering, Education (Design and Technology) etc.

For further information: Visit the CIE website

<http://www.cie.org.uk/programmes-and-qualifications/cambridge-igcse-design-and-technology-0445/>

SUBJECT: DRAMA

Title of Qualification: IGCSE Drama

Examination Board and Specification: Cambridge International Examinations (CIE) Drama 0411

Assessment:

Component 1 - Written Paper (40%) Comprising - The Stimuli

An extract from a Play

Component 2 - Course Work (60%) Comprising – A group original devised piece

A group piece from an extract of a published play

An individual piece

Examination Entry: One Tier. Grades 9 - 1

Course Overview:

A student will be expected to cover the following over a two- year period.

1. Literary elements of Drama: Understanding Repertoire, Scripting and Plotting
2. Performance elements of Drama: Directing, Devising, Acting and Acting Skills
3. Technical Elements of Drama: Costuming, Stage Design and Set Design.

Through practical and theoretical study, learners develop an understanding and enjoyment of drama; develop group and individual skills; study ways to communicate ideas and feelings to an audience. They learn how to discover the performance possibilities of a text and other stimuli, and devise dramatic material of their own. Learners also develop their performance skills, the demonstration of which will form part of the final assessment.

Expectations of students who study this course:

Students are expected to show talented potential in scripting, directing, performing and stage design.

Additional information:

The purpose of this course is to provide a strong foundation for students who are keen on:

- The art of public speaking and relations
- Scripting and content development
- Film studies and its elements
- Theatre and its elements
- Performance elements in theatre and film
- Design elements for theatre and film

Drama leads to courses such as Education (Drama), Journalism, Administration etc.

For further information: Visit the CIE website <http://www.cie.org.uk/images/203273-2017-2020-syllabus.pdf>



SUBJECT: ECONOMICS

Title of Qualification: IGCSE Economics

Examination Board and Specification: Cambridge International Examinations (CIE) Economics 0455

Assessment:

Two papers will be 100% written

- Paper 1: Multiple Choice - 30% (45mins)
- Paper 2: Structured Questions - 70% (2hrs 15mins)

Examination Entry: One Tier. Grades 9 - 1.

Course Overview:

Students will study the main topics listed below:

1. Basic Economic Problem
2. The Allocation of Resources; How Market Works
3. The Individual as a Producer, Consumer and Borrower
4. The Private Firm as a Producer and Employer
5. Role of Government in An Economy
6. Economic Indicators
7. Developed and Developing Economies – Trends in Production, Population and Living Standards
8. International Aspects

Expectations of students who study this course:

Successful Cambridge IGCSE Economics students gain lifelong skills, including:

1. An understanding of economic theory, terminology, and principles
2. The ability to apply the tools of economic analysis
3. The ability to distinguish between facts and value judgments in economic issues
4. An understanding of, and an ability to use, basic economic numeracy and literacy
5. The ability to take a greater part in decision-making processes in everyday life
6. An understanding of the economies of developed and developing nations
7. An excellent foundation for advanced study in economics.

Students will develop their skills of knowledge and understanding of Economics terminology, application and critical evaluation which will help build a foundation for further study.

Additional information:

Economics is fundamental in all areas of life and work. The career path for studying Economics includes Teaching, Financial Analyst, Market Research, Business Administration and Entrepreneurship, Banking and Accountancy/Finance, Investment Consultants, Market Research and Audit.

For further information: Visit the CIE website

<http://www.cie.org.uk/programmes-and-qualifications/cambridge-igcse-economics-0455/>



SUBJECT: FRENCH

Title of Qualification: IGCSE French

Examination Board and Specification: Cambridge IGCSE (9-1) French (7156)

Assessment:

- Paper 1: Listening (40 marks = 25%); duration: 50 minutes
- Paper 2: Reading (45 marks = 25%); duration: 1 hour
- Paper 3: Speaking: (40 marks = 25%); duration 10 minutes. Conducted by the teacher
- Paper 4: Writing: (45 marks = 25%); duration: 1 hour

Examination Entry: All candidates take all four papers. Candidates will be eligible for grades A* to G.

Course Overview:

- Paper 1: Candidates listen to a number of recordings and answer multiple-choice and matching questions. Externally assessed
- Paper 2: Candidates read a number of texts and answer multiple-choice and matching questions as well as questions requiring short answers. Externally assessed
- Paper 3: Candidates complete one role play and conversations on two topics. Internally assessed and externally moderated.
- Paper 4: Candidates complete one form-filling task, one directed writing task and one task in the format of an email/letter or article/blog. Externally assessed

Expectations of students who study this course:

We recommend that learners starting this course should have studied a French curriculum at lower secondary level or equivalent national educational framework.

Passion for learning a foreign language.

Additional information:

- Students need to be at least bilingual if not multilingual in this competitive world.
- The demand to be able to communicate in another foreign language is increasing.
- Foreign languages provide a competitive edge in career choices

Careers with a language degree include Journalism, Airline Services, Advertising, Subtitles and Voice-overs, Event Management, International Political Organizations, Embassies, and Consultants and Education (French) etc.

For further information: Visit Cambridge site:

<https://www.cambridgeinternational.org/Images/556974-2022-2024-syllabus.pdf>

“One language sets you in a corridor for life. Two languages open every door along the way.” - Frank Smith

SUBJECT: FURTHER PURE MATHEMATICS

Title of Qualification: IGCSE Further Pure Mathematics

Examination Board: EDEXCEL

Specification:

Syllabus code: Further Pure Mathematics 4PM1. Edexcel 9-1

International GCSE Further Pure Mathematics specification and support materials have been developed with the help of teachers, higher education representatives and subject expert groups.

Assessment

Each of the papers will consist of about 11 questions with varying mark allocations per question as stated on the question paper. Each paper carries a total of 100 marks. The questions address all of the assessment objectives and calculators are allowed. Each paper has approximately equal marks available for each of the targeted grades, from 9 to 4.

Examination Entry: All students will be registered for the Extended Tier (Higher Tier). Grades 9 – 4

Course Overview: What will I learn?

There are three main assessment objectives to be covered, namely:

1. Number
2. Algebra and Calculus
3. Geometry and Trigonometry

Expectations of students who study this course:

- Students who are disciplined and have a high ability in or are motivated by Mathematics, and intend to go into any of the areas listed above, are encouraged to select Further Pure Mathematics.
- They must possess the ability to recall or recognise almost all the mathematical facts, concepts and techniques that are needed and select appropriate ones to use in a wide variety of contexts.
- They will be able to manipulate mathematical expressions and use graphs, sketches and diagrams, all with high accuracy and skill.
- They will be able to use mathematical language correctly; construct logical and rigorous extended arguments.

Additional information:

Suitable for students who intend to go into any of the following areas: Engineering, Architecture, Surveying, Economics, Banking and Finance, Geology and Mining, Lecturing/Teaching, Optimum/Quality Control, Insurance, Meteorology, Space Management and Navigation, Astronomy, Geophysics, Nuclear/Atomic, Physics, Piloting, Sea Navigation, Operational Research among others.

For further information: <https://qualifications.pearson.com/en/qualifications/edexcel-international-gcses-and-edexcel-certificates/international-igcse-further-pure-mathematics-2017.html>

SUBJECT: GEOGRAPHY

Title of Qualification: IGCSE Geography

Examination Board and Specification: Cambridge International Examinations (CIE) Geography 0460

Assessment:

Three (3) externally examined papers:

- Paper 1 (45%)
- Paper 2 (27.5%)
- Paper 4 (27.5%)

Examination Entry: One Tier. Grades 9 - 1

Course Overview: The assessment will cover the following:

Paper 1 (Geography Themes). The paper has three (3) sections and each section will be based on

Themes 1, 2 and 3. Candidates must answer one question from each section.

- Theme 1: Population and Settlement
- Theme 2: The natural environment
- Theme 3: Economic development

Paper 2: (Geographical Skill). The paper is based on testing the interpretation and analysis of geographical information, decision making and the application of graphical and other techniques as appropriate.

Paper 4: (Alternative to Coursework). The paper is based on techniques used in fieldwork studies.

Expectations of students who study this course:

Successful Cambridge IGCSE Geography candidates develop lifelong skills, including:

- an understanding of the processes which affect physical and human environment;
- an understanding of location on a local, regional and global scales;
- the ability to use and understand geographical data and information;
- an understanding of how communities around the world are affected and constrained by different environment.
- **Minimum of grade 6 (Year 9) is required to study Geography in Year 10**

Additional information:

Candidates who are awarded grades A* to C in the IGCSE examinations are well prepared to follow courses leading to Level 3 AS and A Level GCE Geography, Cambridge pre-U Geography or the Cambridge International AS and A Level Geography. The career path for studying Geography includes Surveying, Teaching, Urban & Regional Planning, Geography & Environment etc.

For further information: Visit CIE website www.cie.org.uk/igcse



SUBJECT: HISTORY

Title of Qualification: Cambridge IGCSE History

Examination Board and Specification: Cambridge International Examinations (CIE) History 0470

Assessment:

100 % Examination (Externally assessed)

- Paper 1: Core Contents (40%)
- Paper 2: Source Paper (33%)
- Paper 4: Alternative to Coursework (27%)

Examination Entry: One Tier. Grades 9 - 1

Course Overview:

Component 1 (Core): Written paper (2hrs)

- Candidates are to answer two questions from Section A and one question from Section B.
- Section A contains eight questions: four questions will be set from the 19th century Core Content in Option A and four questions will be set from the 20th century Core Content in Option B.
- Section B contains two questions on each of the seven Depth Studies. Candidates answer one question.
- All questions on Component 1 are in the form of structured essays, split into three parts: (a), (b) and (c). This is a compulsory component. The paper is an externally set assessment, marked by CIE.

Component 2 (Source): Written paper (2hrs)

- Candidates are to answer six questions on either the prescribed topic from the Core Content in Option A (19th century) or the prescribed topic from the Core Content in Option B (20th century).
- Each option includes a range of source material relating to the prescribed topic, and the six questions are based on the source material provided.
- This is a compulsory component. The paper is an externally set assessment, marked by CIE.

Component 4: Written paper (1hr)

- Candidates are to answer one question from a choice of two on each of the Depth Studies. Questions will focus on the issue of significance, testing assessment objectives 1 and 2. The paper is an externally set assessment, marked by CIE.

Learners studying Cambridge IGCSE History are given the opportunity to:

- develop an interest in and enthusiasm for learning about and understanding the past;
- explore historical concepts such as cause and consequence, change and continuity, and similarity and difference;
- appreciate historical evidence and how to use it gain a greater understanding of international issues and inter-relationships;
- learn how to present clear, logical arguments.

Expectations of students who study this course: Students must be prepared to have effective writing, critical analysis and research skills. They must exhibit curiosity for the subject.

Additional information: Learners develop an understanding of the nature of cause and effect, continuity and change, similarity and difference. They find out how to use and understand historical evidence as part of their studies.

The subject is suitable for students who intend to pursue a career in International Relations, Lecturing/Teaching History, Journalism, Political Science, etc.

For further information: Visit the Cambridge IGCSE site

<http://www.cie.org.uk/programmes-and-qualifications/cambridge-igcse-history-0470/>



SUBJECT: INFORMATION COMMUNICATION TECHNOLOGY (ICT)

Title of Qualification: IGCSE Information Communication Technology

Examination Board and Specification: Cambridge International Examinations (CIE) ICT 0983

Assessment: Assessment Objective for Practical Skills and Knowledge and Understanding

- **Paper 1:** Theory Part (100 marks 40% of total)
- **Paper 3:** Practical Skills (80 marks 30% of total)
- **Paper 3:** Practical skills (80 marks 30% of total)

Examination Entry: One Tier – Grades 9-1

Course Overview: The two assessment objectives in ICT are:

AO1 Practical Skills

Candidates should be able to demonstrate their ability to use a range of software packages in practical and work-related contexts.

AO2 Knowledge and Understanding

Candidates should be able to demonstrate their knowledge and understanding of the structure of ICT systems, the role of these systems in organisations and their impact on society.

Expectations of students who are interested in this course:

To demonstrate their knowledge and understanding of the structure of ICT systems, the roles of these systems in organisations and their impact on the society. They should be able to demonstrate their ability to use a range of software packages in practical and work-related contexts.

Additional information:

The Information Communication Technology syllabus encourages students to develop life-long skills, which will be useful to them in their work across the curriculum and prepare them for future employment. They will develop understanding of the implications of technology in society, including social, economic and ethical uses and awareness of the ways ICT can help in home, learning and work environments.

ICT is suitable for students who intend to pursue a career in Programming (ICT), ICT Security, Systems Engineering, System Administration, etc.

For further information: Visit the CIE website

<http://www.cie.org.uk/programmes-and-qualifications/cambridge-igcse-information-and-communication-technology-0417/>



SUBJECT: MUSIC

Title of Qualification: IGCSE Music

Examination Board and Specification: Cambridge International Examinations (CIE) Music 0410
Component 01 Listening Analysis, 02 Performing & 03 Composing

Assessment:

- Performance – Recordings of performances as a soloist and as an ensemble musician, are assessed (30%).
- Composition – both the free choice and set brief compositions are assessed (30%).
- Listening – an exam based on the set works, and other related pieces of music (40%).

Examination Entry: One Tier. Grades 9 - 1

Course Overview: The subject will enable the candidate to develop excellent all rounded skill by improving performance, composition and listening analysis. Musicians of all types are welcome and extensive previous musical experience is not necessary. What is important is that students are prepared to work hard and show commitment.

Expectations of students who study this course:

- Performance – Musicians have to demonstrate solo and ensemble skills on any instrument, or voice. This involves performing in class, and if the student wishes to, in public. There is no need to have taken any ABRSM exams, although this can be helpful. Students do not need to be able to play more than one instrument, or to sing.
- Composition – Students have to compose two pieces, one free choice and one to a set brief from IGCSE.
- Listening – students study set works of a range of composers, such as Bach, Beethoven, Handel, Mozart etc and world music.

Additional information:

When studying IGCSE Music students are encouraging aesthetic and emotional development, self-discipline and creativity. Learners enhance their appreciation and enjoyment of music. Learners study music of all styles; each style is placed in its historical and cultural context, and they are encouraged to be perceptive, sensitive and critical when listening. Having instrumental/vocal lessons during the IGCSE is essential and playing in the school orchestra or singing in the school choir is desirable.

Career courses include Music, Recording Engineering, Teaching/Lecturing, etc.

For further information: <http://www.cie.org.uk/programmes-qualifications/cambridge-igcse-music-0410/>



SUBJECT: PHYSICS

Title of Qualification: IGCSE Physics

Examination Board and Specification: Cambridge International Examinations (CIE) Physics 9072

Assessment:

Three externally examined papers:

- Paper 2 – A multiple-choice paper (45 minutes = 30% of final mark)
- Paper 4 – Written, short-answered paper (1 hour 15 minutes = 50% of final mark)
- Paper 6 – Alternative to Practical (1 hour = 20% of the final mark)

Examination Entry: Core and Extended (Higher Tier). Grades 9-1

Course Overview:

The Cambridge IGCSE Physics syllabus helps learners to understand the technological world in which they live and take an informed interest in science and scientific developments. They learn about the basic principles of Physics through a mix of theoretical and practical studies. Learners also develop an understanding of the scientific skills essential for further study at Cambridge International A Level, IBDP while adding skills which are useful in everyday life.

As they progress, learners gain an understanding of how science is studied and practised and become aware that the results of scientific research can have both good and bad effects on individuals, communities and the environment.

Students who registers for IGCSE Physics are expected to study topics under the following units over the period of two years in KS4 (Years 10 and 11):

1. General Physics
2. Thermal Physics
3. Properties of Waves
4. Electricity and Magnetism
5. Atomic Physics

Expectations of students who study this course:

- To develop a mind filled with enquiry to investigate laws and hypotheses using the apparatus in the laboratory.
- To demonstrate quality work in graphical representation of data generated from experiments.
- To possess a probing mind, critical thinking, analytical and problem-solving skills.
- To possess more than average mathematical skills.

Additional information

Physics is a fascinating science subject that attempts to describe how nature works using the language of mathematics. The theories in Physics attempt to describe the behaviour of matter, light, energy, the universe and everything in it. Physics can lead to courses such as Engineering (Civil, Mechanical, Chemical, Petroleum, Design, Laser, Aeronautical), Systems Architecture, Education (Physics), Medicine etc.

For further information:

Visit <http://www.cie.org.uk/programmes-and-qualifications/cambridge-igcse-physics-0625/>

SUBJECT: SPANISH

Title of Qualification: IGCSE Spanish

Examination Board and Specification: Edexcel Spanish 4SPO

Assessment:

Paper 1: Listening (50 marks = 25%)

Paper 2: Reading and Writing (60 marks = 50%)

Paper 3: Speaking: Conducted by the teacher (40 marks = 25%)

Examination Entry: Level 1 / Level 2 certificate. One Tier. Grades 9 - 1

Course Overview:

- Paper 1: Understand and respond to spoken language.
- Paper 2: Communicate in writing, using a register appropriate to the situation, showing knowledge of a range of vocabulary in common usage and of the grammar and structures prescribed in the specification.
- Paper 3: Communicate in speech, showing knowledge of a range of vocabulary in common usage and of the grammar and structures prescribed in the specification.

Expectations of students who study this course: Passion for learning a foreign language.

Additional information:

- Students need to be at least bilingual if not multilingual in this competitive world.
- The demand to be able to communicate in another foreign language is increasing.

Careers with a language degree include Journalism, Airline Services, Advertising, Subtitles and Voice-overs, Event Management, Education (Spanish) etc.

For further information: Visit Edexcel website

<http://qualifications.pearsons.com/en/qualifications/edexcel-gcse/spanish-2015.html>



