

Dubai British School Jumeirah Park

GCSE Options Booklet

2019 - 2020

Introduction to GCSEs

Welcome to your Key Stage 4 Options Prospectus. The purpose of this booklet is to:

- Present to parents and students the courses which are planned for GCSE and IGCSE studies from September 2019.
- Outlining the content of each specification, as well as the course structure and assessment criteria.
- Help you to make informed decisions appropriate for the subsequent stages of student life.

What GCSEs are on offer?

Since the National Curriculum continues until the end of Year 11, some of what is studied at Key Stage 4 is compulsory (*see the Core Curriculum pages*). The remainder of the Key Stage 4 curriculum is optional (*see the Option pages*). This is an exciting but often challenging time and we would urge you to talk with subject teachers, tutors, Miss Harris (*Key Stage 4 Leader*) or Miss Stubbs (*Key Stage 3 Leader*) in order to ensure that the right decisions are made. Whilst we do allow some changes, we generally would not sanction any after the first two weeks in September 2019.

The following subjects form the **compulsory** part of the programme of study at Key Stage 4:

Examined	Non-Examined
English Language	Physical Education
English Literature	PSHE, Moral Education & Social Studies
Mathematics	Arabic & Islamic Studies (<i>For Muslim students</i>)
Combined Science (Double Award)	

The following subjects form the **optional** part of the programme of study at Key Stage 4:

Languages	Humanities	Creative Subjects	Other Subjects
<i>Arabic*</i>	History	Fine Art	Information Communication Technology
French	Geography	Drama	Business Studies
Spanish		Music	Psychology
		Three dimensional design	Photography
		Food Preparation and Nutrition	Triple Science
			Physical Education

** Italic subject are statutory requirements from the KHDA*

All "Arabic A" students are required to study Arabic language as per KHDA regulations and the curriculum specified from the KHDA.

Which subjects should I choose?

Students are strongly advised to choose at least one Humanities subject and one Language, thus ensuring that their subject choice satisfies the requirements for the English Baccalaureate – which is an indicator of a broad and balanced curriculum.

‘The EBacc is not a new qualification in itself. It will recognise students’ achievements across a core of selected academic subjects in getting good passes in rigorous GCSEs. The English Baccalaureate will cover achievement in English, Mathematics, sciences, a language and a humanities subject.’

Secretary of State for Education

Exam Fees

Please note that in line with other independent schools, Dubai British School Jumeirah Park charges for all external examinations. Parents will receive invoices which will cover fees for the examinations carried out during Years 10 and 11.

Core Subjects

English Language A – IGCSE Edexcel – 4EA1 - BR

English Language Course Outline

The English Faculty delivers the Edexcel IGCSE for both English Language and English Literature. This IGCSE is exclusive to independent and international schools. The Edexcel International GCSE in English Language (Specification A) is designed as a two-year course. The specification includes a wide range of reading and writing - the reading requirements of the course are covered in the *Pearson Edexcel International English IGCSE Anthology*, for use throughout the course and the examination.

Course Details

Paper 1: 4EA1/01-R (Examination – 60% of total IGCSE)

Overview of content:

Reading (30%)

- Non-fiction texts e.g. articles, reviews, speeches, autobiographies, letters, obituaries and travel writing.
- Develop skills of interpretation and analysis.
- Part 1 of the *Pearson Edexcel International English IGCSE Anthology*.

Writing (30%)

- Developing writing using what is learned through the Reading section.
- Focus on quality and accuracy of writing and non-fiction writing techniques, planning, and proofreading.
- Considering purpose e.g. to inform, explain and describe, audience, language and layout.

Overview of assessment:

- The assessment of this unit is through a 2 hour and 15 minute examination paper, set and marked by Edexcel.
- The total number of marks available is 90 (45 for each section).

Section A (Reading)

- 15 minutes for reading and 60 minutes for answering is advised.
- One extract from the Anthology and one unseen extract.
- Short and long answer questions where **all** questions are to be answered.

Section B (Writing)

- 60 minutes writing advised time.
- **One** question from the selection provided to be chosen and answered.

Paper 3: 4EA1/03 (Coursework – 40% of total IGCSE)

Overview of content:

Reading (20%)

- Part 2 of the *Pearson Edexcel International English IGCSE Anthology*.
- Both poetry and prose texts from a range of genres and cultures.
- Develop independent inference and analysis skills, show understanding of linguistic and structural devices and their effects.

Writing (20%)

- Focus on writer's craft.
- Range of techniques, planning, and proofreading skills.
- Writing to explore, imagine and entertain.

Overview of assessment

- The assessment of this unit is through two coursework assignments, internally set and assessed, and externally moderated by Edexcel.
- The total number of marks available for each assignment is 30.

Assignment A (Reading)

- Split into two parts. Part 1 will be the set assignment and Part 2 will be a short commentary explaining the students' choice of texts.

Assignment B (Writing)

- A single piece of personal and imaginative writing.
- Purpose to explore, imagine or entertain.

Career Prospects

English Language is a necessary component for most university and further education courses around the world, but particularly in the UK. Later, careers in Media, Law or Journalism, amongst many others, can be pursued.

English Literature – IGCSE Edexcel – 4ET1 - BR

Course Outline

The English Faculty delivers the Edexcel IGCSE for both English Language and English Literature. This IGCSE is exclusive to independent and international schools. The Edexcel International GCSE in English Literature is designed as a two-year course. A selection of prose, drama and poetry from around the world allows teachers a wide choice of set texts. The examination questions allow all students to make a personal, informed response to the texts studied. The qualification offers an enjoyable and stimulating introduction to the study of English Literature. The Anthology for International GCSE and Certificate Qualifications in English Language and Literature is provided for use throughout the course and examination.

Course Details

Paper 1: Drama and Prose 4ET1/01-R (Examination – 60% of total IGCSE)

Overview of content

- Prose – one modern prose text.
- Poetry – all poems from Part 3 of the *Pearson Edexcel International English IGCSE Anthology*.
- Students will study whole texts, developing their comprehension, critical reading and comparison skills, and producing clear and coherent writing using accurate Standard English.

Overview of assessment

Section A

- Unseen Poetry: one essay question exploring the meaning and effects created in an unseen poem. The poem will be reproduced in the question paper.

Section B

- Anthology Poetry: one essay question from a choice of two, comparing two poems from Part 3 of the *Pearson Edexcel International English IGCSE Anthology*.

Section C (not allowed the text in the examination)

- Modern Prose: one essay question from a choice of two on the studied text.
- The assessment of this paper is through a 2 hour examination, set and marked by Edexcel.
- The total number of marks available is 90.

Paper 3: Modern Drama and Literary Heritage Texts 4ET1/03 (Coursework – 40% of total IGCSE)

Overview of content

- Two set texts will be studied.
- Modern Drama (Assignment A).
- Literary Heritage texts (Assignment B).

Overview of assessment

- This part of the course consists of two coursework assignments, internally set and assessed and externally moderated by Edexcel.
- The total number of marks available for each assignment is 30.

Career Prospects

Further study is offered in English Literature at AS and A2 Level at DBSJP. Careers in Education, Media, Law or Journalism, amongst many others, can be pursued.

Mathematics – Edexcel – 1MA1 (9-1)

Course Outline

Students have been following this course from the start of the academic year. During Year 10 students will continue to study topics from these six areas: Number, Algebra, Ratio, Proportion and rates of change, Geometry and measures, Probability and Statistics. New topics are introduced under these headings such as errors in calculations, further trigonometry, solving quadratic equations, vectors and statistical measures. Other topics are studied to a greater depth than in previous years.

The aims of the Mathematics Department at Dubai British School Jumeirah Park relate to all year groups but are especially relevant to those students in Years 10 and 11 who may be considering taking Mathematics after GCSE:

- To develop an ability to think and reason mathematically.
- To notice and realise the application of Mathematics in the real world.
- To have the understanding of how to use Mathematics up to GCSE level and create a firm foundation for those wishing to study the subject further.
- For students to have a positive attitude to Mathematics and to achieve to the best of their ability, with confidence and enjoyment.

Course Details

Students are assessed by three written examinations: one non-calculator paper (33.3% of total GCSE) and two calculator papers (each worth 33.3% of total GCSE). All three papers must be taken during the same assessment series.

Assessment Criteria

Students will be required to show their application of Mathematics and their choice of skills in a variety of practical and investigational problems within these assessments.

Entry to GCSE Mathematics is made in one of two overlapping tiers:

Higher tier: Grades 9 - 4

Foundation tier: Grades 5 – 1

Career Prospects

Successful completion of the course provides an excellent platform to study AS/A-Level Mathematics. Furthermore, most Sixth Form colleges/further education providers require a minimum of a Grade 4 on the new grading system or a C in GCSE Mathematics on other specifications.

International GCSE in Science (Double Award) (4SD0 - R)

Course Outline

The Science course consists of equally weighted units in Biology, Chemistry and Physics. The Edexcel Science suite of courses encourages students to be inspired, motivated and challenged by following a broad, coherent, practical course of study. The course gives students the opportunity to experience science within the context of their general education and prepare for more advanced courses in science and for other courses that require knowledge of science.

Skills that are developed fall into four main areas: Knowledge and Understanding (including science as an evidence based discipline, the collaborative nature of science, how scientific theories develop and the limitations of science), Practical Skills (planning, obtaining and presenting evidence, interpreting data, evaluating a method), Working Scientifically (data, evidence, theories and explanations, practical and enquiry skills, communication skills, applications and implications of science) and Mathematical skills (applying mathematics).

Course Details

Biology Paper 1 (33.3% of total IGCSE)

- 1 The nature and variety of living organisms
- 2 Structures and functions in living organisms
- 3 Reproduction and inheritance
- 4 Ecology and the environment
- 5 Use of biological resources

Chemistry Paper 1 (33.3% of total IGCSE)

- 1 Principles of chemistry
- 2 Inorganic chemistry
- 3 Physical chemistry
- 4 Organic chemistry

Physics Paper 1 (33.3% of total IGCSE)

- 1 Forces and motion
- 2 Electricity
- 3 Waves
- 4 Energy resources and energy transfers
- 5 Solids, liquids and gases
- 6 Magnetism and electromagnetism
- 7 Radioactivity and particles
- 8 Astrophysics

Assessment Criteria

Examinations are not tiered and are externally assessed written papers. Each paper is two hours in duration and has a total of 110 marks.

The papers contain a mixture of different question styles, including multiple-choice questions, short-answer questions, calculations and extended open-response questions.

This IGCSE qualification will be graded and certificated on a 17-grade scale from 9-9 to 1-1 using the total subject mark where 9-9 is the highest grade. Individual papers are not graded.

Career Prospects

Based on minimum entry requirements students can progress from this qualification to GCE A Levels or International Advanced Level qualifications in Biology, Chemistry and/or Physics.

Optional Subjects

Arabic GCSE - 1AA0 – H (9-1)

Course Outline

The GCSE Arabic course is designed to develop students' performance in the four core skills of listening, speaking, reading and writing.

Course Details

The course is topic based with students covering five modules over two years, building on their previous knowledge of basic vocabulary and grammar.

Topics covered include:

Term 1	Identity and culture
Term 2	Local area, holiday and travel
Term 3	School
Term 4	Future aspirations, study and work; International and global dimension
Term 5	International and global dimension; Revision
Term 6	Revision

By the end of the course, students will be able to confidently use a number of tenses and structures to communicate when travelling abroad or dealing with Arabic speaking people.

Assessment Criteria

All formal assessments take place at the End of Year 11. The formal assessment includes examinations in oral, listening, reading and writing skills. Each component is 25% of the total mark.

Career Prospects

People with language skills and knowledge usually have an advantage over people without them. They stand out as talented and successful people, with broad and exciting horizons. Taking GCSE Arabic means you will:

Add an extra dimension to your personal skills profile which will impress anyone who reads your CV. Be in a stronger position to get a job in companies with international links or improve employability if you would like to work abroad. Be able to work or study in a Arabic-speaking country in later life. Be able to study AS and A level Arabic courses to further your knowledge of the language and culture. Find it easier to learn other languages later if you want to.

Art and Design – FINE ART – IGCSE - 4FA1 (9-1)

Course Outline

The course is made up of 2 components. In component 1 the personal portfolio of work demonstrates the knowledge, understanding and skills used in fine art. This portfolio will be based on centre devised themes, which will be given at the start of Year 10.

Component 2 is an externally-set assignment. Students must present personal response(s) to an externally-set, broad based thematic starting point, set by Pearson. Students will have a preparatory period in which they will explore and develop ideas for the assigned theme. The externally-set assignment will be completed during timed supervised study, where students have sustained focus in exam conditions.

The objectives of the course are to develop creative and imaginative ability and the practical skills for engaging with and for communicating and expressing ideas, feelings and meanings in art, craft and design. To develop investigative, analytical, experimental and interpretive capabilities; aesthetic understanding and critical and enquiring minds, with increasing independence; cultural knowledge and understanding of art, craft, design and of the media and technologies used in different times, contexts and societies; and to develop personal attributes including self-confidence, resilience, perseverance, self-discipline and commitment.

The skills that will be developed will include recording experiences and observations and undertaking research and gathering, selecting and organising visual, tactile and sensory materials and other relevant information. Exploring relevant resources, analysing and evaluating images, objects and products, and making independent judgements as to their relevance in visual art.

Course Details

- Component 1 – Personal Portfolio in Art and Design (50% of total GCSE) Three sheets of supporting studies (maximum size A2 for each sheet) and one sheet of final outcome/s (maximum size A2).
- Component 2 – Externally Set Assignment (50% of total GCSE) Three sheets of supporting studies (maximum size A2 for each sheet) and one sheet of final outcome/s (maximum size A2).

Assessment Criteria

Students must submit the following for the Personal Portfolio and the externally- set assignment: Students work must show evidence of all four assessment objectives in response to the internally- set theme(s), project(s) or task(s). Component 1 is internally set, while component 2 is externally set, both are externally marked. Each component has a total number of 72 marks available.

This GCSE qualification will be graded and certificated on a nine-grade scale from 9 to 1 using the total subject mark where 9 is the highest grade. Individual components are not graded.

Career Prospects

This is a gateway to A Level in Art and Design. If students choose to seek employment, they will have a portfolio of work that evidences their ability to pursue a course in Art and Design, covering different projects and producing a range of work. There may be opportunities to work, for example, in local galleries, design offices, graphics companies, retail, local architects, interior designers, theatre production and set design.

Art and Design – PHOTOGRAPHY– IGCSE - 4PY1 (9-1)

Course Outline

The course is made up of 2 components. In component 1 the personal portfolio of work demonstrates the knowledge, understanding and skills used in Photography. This portfolio will be based on a centre devised theme, which will be given at the end of year 9.

Component 2 is an externally- set assignment, Students must present personal response(s) to an externally- set, broad based thematic starting point, set by Pearson in the externally – set assignment. This will be done during a timed supervised study, where students have sustained focus in exam conditions.

The course objectives are to show a creative journey through the process of lens- and – light based media, exploring digital imagery and light sensitive materials. There are many skills, techniques, materials, processes and concepts that are essential to all the areas of study in Photography.

Students will develop a practical knowledge and understanding of: the formal elements to communicate a variety of approaches; the camera and its functions, including depth of field, shutter speed, focal points and viewpoints. Students will explore the effects and creative potential of combining and manipulating different two-dimensional and three- dimensional materials and media.

This course will allow students to explore with the use of light, as the most important element in photography. Students will experiment with darkroom techniques, involving the recognition of appropriate paper types, developing and printing, emulsions, exposures, tone and contrast.

Pupils will use Photoshop software to experiment and manipulate images, through a digital format.

Course Details

- Component 1 – Personal Portfolio in Art and Design (50% of total GCSE) Three sheets of supporting studies (maximum size A2 for each sheet) and one sheet of final outcome/s (maximum size A2).
- Component 2 – Externally Set Assignment (50% of total GCSE) Three sheets of supporting studies (maximum size A2 for each sheet) and one sheet of final outcome/s (maximum size A2).

Assessment Criteria

Students must submit the following for the Personal Portfolio and the externally- set assignment:

Students work must show evidence of all four assessment objectives in response to the internally- set theme(s), project(s) or task(s). Component 1 is internally set, while component 2 is externally set, both are externally marked. The total number of marks available for each component is 72 marks.

This GCSE qualification will be graded and certificated on a nine-grade scale from 9 to 1 using the total subject mark where 9 is the highest grade. Individual components are not graded.

Career Prospects

This is a gateway to A Level in Photography. If students choose to seek employment, they will have a portfolio of work that evidences their ability to pursue a course in Photography covering different projects and producing a range of work. There may be opportunities to work, for example, with local photographers, galleries, design offices, graphics companies and retail.

Art & Design– THREE-DIMENSIONAL DESIGN – IGCSE - 4TD1 (9-1)

Course Outline

The course is made up of 2 components. In component 1 the personal portfolio of work demonstrates the knowledge, understanding and skills used in three- dimensional design.

Component 2 is an externally- set assignment. Students must present personal response (s) to an externally- set, broad based thematic starting point, set by Pearson in the externally – set assignment. This will be done during a timed supervised study, where students have sustained focus in exam conditions.

Three- dimensional design is concerned with the designing, prototyping, modelling or making of functional and aesthetic consumer products, interiors and architecture. Students should engage with appropriate processes, materials and construction techniques, using maquettes, models and working drawings to help take their ideas through to realisation.

During the course, students should develop an understanding of the broad perspectives of the design world. This will include developing their making skills, CAD skills, and building an awareness of culture, aesthetics and ergonomics all related to Design.

The objectives are to design and make in 2D & 3D using various ICT software packages, learn modelling using materials such as foam, cardboard, plastic and wood. Learn to present ideas and information professionally with skill and accuracy and to gain understanding and application of the design process through an internally- set theme.

Course Details

- Component 1 – Personal Portfolio in Art and Design (50% of total GCSE) Three sheets of supporting studies (maximum size A2 for each sheet) and one sheet of final outcome/s (maximum size A2).
- Component 2 – Externally Set Assignment (50% of total GCSE) Three sheets of supporting studies (maximum size A2 for each sheet) and one sheet of final outcome/s (maximum size A2).

Assessment Criteria

Students must submit the following for the Personal Portfolio and the externally- set assignment: Students work must show evidence of all four assessment objectives in response to the internally- set theme(s), project(s) or task(s). Component 1 is internally set, while component 2 is externally set, both are externally marked. The total number of marks available for each component is 72 marks.

This GCSE qualification will be graded and certificated on a nine-grade scale from 9 to 1 using the total subject mark where 9 is the highest grade. Individual components are not graded.

Career Prospects

This is a gateway to A Level in Art and Design/ Design Technology. There may be opportunities to work, for example, with local Architects/ Interior designers/ product designers, design offices, graphics companies and retail.

Food Preparation & Nutrition – AQA - 8585

Course Outline

GCSE Food Preparation and Nutrition is an exciting and creative course which focuses on practical cooking skills to ensure students develop a thorough understanding of nutrition, food safety, food provenance and the working characteristics of food materials. This qualification focuses on nurturing student's practical cookery skills to give them a strong understanding of nutrition, health and food choices.

Course Details

Food preparation skills are integrated into 5 core topics:

- **Food Nutrition and Health**
- **Food Science**
- **Food Safety**
- **Food Choice**
- **Food Provenance**

Assessment Criteria

Paper 1 – Food preparation and nutrition

Written examination: 1 hour and 45 minutes

50% of the qualification

20 multiple choice questions covering all 5 topics.

Theoretical knowledge of food preparation and nutrition from the five core topics will be tested using short and long response questions.

Non-exam assessment (NEA)

Task 1: Food investigation 15%

AQA will release details of the tasks in September of Year 11

This will examine student's understanding of the working characteristics, functional and chemical properties of ingredients. **Practical investigations are a compulsory element of this NEA task.**

This is assessed by a written or electronic report (1500 – 2000 words) including photographic evidence of the practical investigations.

Task 2: Food preparation assessment 35%

AQA will release details of the tasks in November of Year 11

This will examine student's knowledge, skills and understanding in relation to the planning, preparation, of food and application of nutrition related to the task.

Students will prepare, cook and present three dishes within a single period of no more than three hours, planning in advance how this will be achieved. This is assessed by a written portfolio including photographic evidence. Photographic evidence of the three final dishes must be included.

Career Prospects

Upon completion of this course, students will be qualified to go on to further study or embark on an apprenticeship or full-time career in the catering, hospitality or manufacturing food industries.

Business – IGCSE – 4BS1-R (9-1)

Course Outline

The course is split up into five units:

1 – Business activity and influences on business

2 – People in business

3 – Business finance

4 – Marketing

5 – Business operations

The course objectives are to actively engage in the study of business to develop as effective and independent students and as critical and reflective thinkers with enquiring minds. To use an enquiring, critical approach to distinguish facts and opinions, to build arguments and make informed judgements. To develop and apply knowledge, understanding and skills to contemporary issues in a range of local, national and global contexts. To appreciate the range of perspectives of different stakeholders in relation to business activities.

Skills that will be developed will be to introduce to you the world of small and large businesses and will look at what makes someone a successful businessperson. You will find out how to develop an idea and spot an opportunity and turn that into a successful business. You will understand how to make a business effective and manage money. You will also see how the world around us affects businesses and all the people involved. You will also examine what causes businesses to fail and how businesses grow. You will study many issues within the world of business such as inequality.

Course Details

Unit 1: Introduces the nature and types of business in an economy. Students will be encouraged to examine the interaction between businesses and the environment in which they operate.

Unit 2 - 5: Focuses on the main functional areas of business administration, finance, marketing and operations. While the five units of content are listed as discrete topics, it is important for students to recognise that, because business is dynamic, these five areas interrelate.

Assessment Criteria

The Pearson Edexcel International GCSE in Business comprises two examinations and is a linear qualification. All examinations must be taken at the end of the course of study in Year 11.

Paper 1: Investigating Small Businesses (50%)

Paper 2: Investigating Large Businesses (50%)

Career Prospects

Having successfully completed the IGCSE Business course it would provide you with an excellent grounding for the AS/A Level Business Studies or the BTEC National Diploma in Business.

Information Communication Technology (ICT) IGCSE - 4IT1 (9-1)

Course Outline

This IGCSE course in Information Communication Technology (ICT) offers and encourages students to explore how digital technology impacts on the lives of individuals, organisations and society. There is ample opportunity for them to learn about current and emerging digital technologies and the issues raised by their use in a range of contexts by individuals and organisations. They will develop awareness of the risks that are inherent in using ICT and the features of safe, secure and responsible practice. Further to this they will broaden and enhance their ICT skills and capability. Also, their ICT skills will be enhanced as they will be working with a range of digital tools and techniques to produce effective ICT solutions in a range of contexts. Finally, students will learn how to reflect critically on their own and others' use of ICT and how to adopt safe, secure and responsible practice.

Course Details

- Gaining knowledge and understanding of Information and Communication Technology.
- Developing skills to apply knowledge and understanding to produce ICT-based solutions.
- Developing skills of analysis and evaluation, making reasoned judgements and presenting conclusions.

Assessment Criteria

Paper 1 (50% of IGCSE) – A 1-hour and 30-minute externally assessed examination that comprises a mixture of multiple-choice, short and long answer questions assessing a student's theoretical knowledge. With the total number of marks available for this examination paper being 100. The examination focuses on the following topics:

- **Topic 1:** Digital Devices
- **Topic 2:** Connectivity
- **Topic 3:** Operating Online
- **Topic 4:** Online Goods and Services.

Paper 2 (50% of IGCSE) – A three-hour practical examination comprising one practical assignment from a choice of two. With the total number of marks available for this examination paper being 100. The examination focuses on the following topics:

- **Topic 5:** Applying Information and Communication Technology
- **Topic 6:** Software Skills

This IGCSE qualification will be graded and certificated on a nine-grade scale from 9 to 1 using the total subject mark where 9 is the highest grade. Individual components are not graded.

Career Prospects

Information Communication Technology provides opportunities to promote enterprise and entrepreneurial skills through the process of identifying an opportunity to produce effective ICT solutions to meet specific needs and finally evaluating and reasoning judgements of the entire process. Tasks linked to the practical examination provide opportunities to develop independent thinking skills, through students identifying relevant sources of information and developing specific performance criteria for their solution to guide their thinking.

Computer Science – 4CP0

Course Outline

This IGCSE course in Computer Science offers and encourages students to understand and apply the fundamental principles and concepts of computer science, including abstraction, decomposition, logic, algorithms and data representation. Students will analyse problems in computational terms through practical experience of solving such problems, including designing, writing and debugging programs. They will learn to think creatively, innovatively, analytically, logically and critically. Students will also understand the components that make up digital systems, and how they communicate with one another and with other systems and understand the impacts of digital technology to the individual and to wider society. They will also apply mathematical skills relevant to computer science.

Course Details

Topic 1: Problem solving

Topic 2: Programming

Topic 3: Data

Topic 4: Computers

Topic 5: Communication and the internet

Topic 6: The bigger picture

Assessment Criteria

The Pearson Edexcel International GCSE in Computer Science is comprised of two externally assessed papers, one of which is a practical assessment carried out on a computer system using a programming language of choice.

- **Paper 1: Principles of Computer Science**

Assessment is through a 2-hour examination paper set and marked by Pearson. The paper consists of multiple-choice, short open-response, open-response and extended open-response answer questions. The total number of marks available for the examination paper is 80. All questions are mandatory

- **Paper 2: Application of Computational Thinking**

Assessment is through a 3-hour practical examination, set and marked by Pearson. A choice of three programming languages will be available (Python, C# or Java). The paper consists of multiple-choice, short open-response, open-response, extended open response answer and task-based questions. The task-based questions will be carried out using a computer system under supervision. All other questions requiring a written response will be answered in the paper. The total number of marks available for the examination paper is 80. All questions are mandatory. A pseudocode reference document will be available for learners to reference during the assessment.

Career Prospects

Progression to A Level – International GCSEs enable successful progression to A Level and beyond. Through our world-class qualification development process, we have consulted with teachers, as well as university professors and an Intel representative, to validate the appropriateness of this qualification for progression, including its content, opportunities for skills development and assessment structure.

French GCSE – 1FR0-F & 1FR0-H

Course Outline

There are currently over 274 million French speakers in the world. French is not only spoken in Europe but across the five continents. Having a good command of French can open doors to many career opportunities abroad, in France and notably in all French speaking countries. French is an international language of reference for many culture domains. To know French is to have access to some of the most beautiful French literary texts, music and cinema from the French speaking world.

Over the 2-year GCSE course, pupils will study 5 key topic areas for approximately one term per topic:

- Identity and culture
- Local area, holiday and travel
- School
- Future aspirations, study and work
- International and global dimension

Course Details

The Edexcel GCSE in French is designed to enable students to develop:

- understanding and use of written and spoken forms of the target language, in a range of familiar and practical contexts, and for a variety of purposes.
- the ability to communicate effectively in the target language through speaking and the written word, using a range of vocabulary and structures.
- a knowledge and understanding of the target language grammar and its practical application.
- a knowledge and understanding of countries and communities where the target language is spoken.
- positive attitudes towards modern foreign language learning.
- a suitable foundation for further study of the target language, or another language.
- the ability to speak spontaneously.

Assessment Criteria

All assessments will take place at the end of Year 11 and students will be tested in the 4 skill areas of Speaking, Listening, Reading and Writing. All skills are tested as **terminal examinations** and there is **no coursework** component. Speaking tests are teacher conducted and contain a role play, presentation and conversation.

Paper 1: Listening	Paper 2: Speaking	Paper 3: Reading	Paper 4: Writing
Topics: Covers all 5 key topic areas.	Topics: Covers all 5 key topic areas.	Topics: Covers all 5 key topic areas.	Topics: Covers all 5 key topic areas.
Assessment information: Students are assessed on their understanding of standard spoken French by one or more speakers in a range of public and social settings. Students will respond to multiple-response and short-answer open response questions based on a recording featuring male and female French speakers.	Assessment information: Students are assessed on their ability to communicate and interact effectively through speaking in French for different purposes and in different settings. The assessments are conducted by their class teachers.	Assessment information: Students are assessed on their understanding of written French across a range of different types of texts, including advertisements, emails, letters, articles and literary texts. Students are required to respond to multiple-response and short-answer questions based on these texts.	Assessment information: Students are assessed on their ability to communicate effectively through writing in French for different purposes and audiences. Students are required to produce responses of varying lengths and types to express ideas and opinions in French. The instructions to students are in French. Word counts are specified for each question.

Spanish GCSE – 1SP0-F & 1SP0-H

Course Outline

Spanish is the second most widely spoken language in the world. It is the mother tongue of Spain and all the Spanish territories in Europe and Africa and of most South and Central American countries.

By choosing to study Spanish, students would be able to communicate more confidently and accurately with Spanish speakers. Foreign language skills are also essential for many jobs in global businesses such as computing, marketing, and finance. By choosing to study a language you will enhance your chances of obtaining a good job in the future.

Over the 2-year GCSE course, pupils will study 5 key topic areas for approximately one term per topic:

- Identity and culture
- Local area, holiday and travel
- School
- Future aspirations, study and work
- International and global dimension

Course Details

The GCSE in Spanish is designed to enable students to:

- understanding and use of written and spoken forms of the target language, in a range of familiar and practical contexts, and for a variety of purposes.
- the ability to communicate effectively in the target language through speaking and the written word, using a range of vocabulary and structures.
- a knowledge and understanding of the target language grammar and its practical application.
- a knowledge and understanding of countries and communities where the target language is spoken
- positive attitudes towards modern foreign language learning
- a suitable foundation for further study of the target language, or another language.
- the ability to speak spontaneously.

Assessment Criteria

All assessments will take place at the end of Year 11 and students will be tested in the 4 skill areas of Speaking, Listening, Reading and Writing. All skills are tested as **terminal examinations** and there is **no coursework** component. Speaking tests are teacher conducted and contain a role play, presentation and conversation.

Paper 1: Listening	Paper 2: Speaking	Paper 3: Reading	Paper 4: Writing
Topics: Covers all 5 key topic areas.	Topics: Covers all 5 key topic areas.	Topics: Covers all 5 key topic areas.	Topics: Covers all 5 key topic areas.
Assessment information: Students are assessed on their understanding of standard spoken Spanish by one or more speakers in a range of public and social settings. Students will respond to multiple-response and short-answer open response questions based on a recording featuring male and female Spanish speakers.	Assessment information: Students are assessed on their ability to communicate and interact effectively through speaking in Spanish for different purposes and in different settings. The assessments are conducted by their class teachers.	Assessment information: Students are assessed on their understanding of written Spanish across a range of different types of texts, including advertisements, emails, letters, articles and literary texts. Students are required to respond to multiple-response and short-answer questions based on these texts.	Assessment information: Students are assessed on their ability to communicate effectively through writing in Spanish for different purposes and audiences. Students are required to produce responses of varying lengths and types to express ideas and opinions in Spanish. The instructions to students are in Spanish. Word counts are specified for each question.

Geography – IGCSE (9-1) 4GE1-R

Course Outline

The aims and objectives of this qualification are to enable students to:

- apply and build on the fundamental building blocks of geographical knowledge
- actively engage in the process of geographical enquiry to develop as effective and independent learners, and as critical and reflective thinkers with enquiring minds
- develop their knowledge and understanding of geographical concepts and appreciate the relevance of these concepts to our changing world
- develop a framework of spatial awareness in which to appreciate the importance of the location of places and environments at a range of scales
- appreciate that people have different views of, and attitudes to, the world, its environments and its issues
- acquire, develop and apply practical geographical enquiry skills
- undertake geographical investigations that include both primary and secondary data collection, presentation and analysis, drawing conclusions, and evaluating the whole geographical investigation
- develop and apply their learning to the real world through fieldwork
- develop their awareness of global issues and recognise the challenges of moving towards a sustainable future.

Course Details

Component 1 – Physical geography (40% of total IGCSE)

- River environments, Coastal environments, Hazardous environments

Component 2 – Human geography (60% of total IGCSE)

- Economic activity and energy, Rural environments, Urban environments

Assessment Criteria

All components will be externally assessed by terminal examination. A core part of the course is that students must undertake fieldwork outside of the school environment. These visits do not fall under the schools tuition fees and will incur an additional cost. The school is required to authenticate that the students have undertaken this fieldwork and provide this evidence to Edexcel.

The International GCSE qualification will be graded and certificated on a nine-grade scale from 9 to 1 using the total subject mark where 9 is the highest grade. Individual components are not graded. The first certification opportunity for the Pearson Edexcel International GCSE in Geography will be in 2019.

Career Prospects

Geography ensures students are well placed to contribute to the scientific and political debates regarding the world in which we live. Students learn an excellent range of transferable skills that enable them to be successful across a range of professions. Employment opportunities include Journalism, Media, Law, Engineering, Business Management, ICT, Environmental Management, Teaching, Economic Planning, Marketing, Leisure and Recreation and Tourism.

History – IGCSE (9-1) – 4HI1-R

Course Outline

The Edexcel IGCSE in History offers students the opportunity to gain in-depth knowledge and understanding of a range of events and issues of the past, considering their impact on today's world. Students will grapple with the complexity of the nature of causation and change, developing their analysis and evaluation skills as we journey through some of the most significant and fascinating periods in modern history.

Students will develop as critical thinkers, learning to assess the value of evidence, using it to make judgements and evaluate interpretations of the past. Students will also learn to ask questions about the events of the past and make their own valid claims about causation, significance and change. Central to all of this is the development of written communication as students learn to write effectively about the past, formulating extended, analytical and well-organised arguments and reaching well-founded conclusions.

Course Details

- Paper 1 – Depth Studies: 50% of iGCSE

Students will study *Germany: Development of Dictatorship, 1918-1945*. We will begin with the end of the First World War and the impact it had on Germany. We will then study the ups and downs of the Weimar period and the events leading up to the appointment of Hitler as Chancellor. We then move on to the consolidation of Nazi power and the far reaching and dramatic changes of the Nazi revolution. We continue our study to understand the impact of the Second World War in Germany and other occupied territories.

In the second half of Year 10 we will follow the story of the push for freedom and equality in the USA, studying *A Divided Union: Civil Rights in the USA 1945-74*. Beginning in the late 1940s with McCarthyism, we will look at the causes and events of the Red Scare. We will then study the role of Martin Luther King and the non-violent protest movement in improving rights for Black Americans, moving on to appreciate the role of Black Power groups and assess the contributions of the presidents. We then broaden the study of protest to look at the women's and anti-Vietnam movements, before moving on to Nixon and the Watergate scandal.

- Paper 2 – Investigation and Breadth Studies: 50% of iGCSE

Students will use the content and context of 20th century USA from their Paper 1 study and delve into their investigation into *The Vietnam Conflict, 1945-1975*. This course will focus on the struggle of the Vietnamese for independence and the reasons for US inability to defeat their movement politically, socially and militarily.

The Breadth Study will give us a complete change of tone as we investigate *Changes in Medicine 1848-1948*. This is a century of revolution in medical science and care from the barbaric to the professional: students will learn of the innovators and climate of change that made this possible.

Assessment Criteria

All components are externally assessed by terminal written examination. There are 2 exams, each of 1 hour 30 minutes and requiring **extended, essay-style** answers and responses to unseen written source material.

Paper 1 – Students will answer 3 questions on each of the depth studies.

Paper 2 – Students will answer 3 questions on the investigation topic and 3 questions on the breadth study.

Career Prospects

Studying History gives you so much more than just understanding of the past: that's just the fascinating stuff that we use to develop the **skills** that are valued by universities and employers. The study of History is academically rigorous. It requires you to be highly analytical, write well, to sift evidence and create convincing arguments, to weigh opinions and reach balanced judgements and to see that there are always multiple possibilities and explanations. These skills are valued in business and finance, politics and law, journalism, management and administration. The study of History will only ever open doors.

Music – GCSE – 1MU0 (9-1)

Course Outline

This new and engaging course explores four areas of study including: Instrumental Music (1700-1820), Vocal Music, Music for Stage and Screen and Fusions. The course is split into three components: Performance, Composition and Appraising. You will develop your performing skills individually and in groups and will record a portfolio of work lasting for a minimum of four minutes. You will also develop your composing skills by composition two compositions. Finally, you will develop your knowledge and understanding of music and study a variety of music genres, styles and traditions, learning about musical elements, musical contexts and musical language through the four areas of study. For each area of study there are two set works which we will study. This component will conclude with a listening exam at the end of the second year.

Course Details

Component 1 – Performing - Solo performing and Ensemble performing (30% of total GCSE)

Component 2 – Composition - Developing musical ideas and compositional techniques and strategies. Methods of notating composition scores (30% of total GCSE)

Component 3 – Appraising - Musical elements, musical contexts and musical language. Areas of study: – Instrumental Music 1700–1820, Vocal Music, Music for Stage and Screen, Fusions. (40% of total GCSE)

Assessment Criteria

Component 1 - Students perform for at least 4 minutes' combined duration.

- Solo performance: this must be of at least 1 minute in duration, and may comprise one or more pieces
- Ensemble performance: this must be of at least 1 minute in duration, and may comprise one or more pieces
- Each performance will be out of 30 marks.
- Internally marked and externally moderated

Component 2 – Students compose two compositions, of at least 3 minutes' combined duration.

- One composition to a brief set by Pearson, of at least 1 minute in duration.
- One free composition set by the student, of at least 1 minute in duration.
- Each composition will be out of 30 marks.
- Internally marked and externally moderated.

Component 3 - Written examination: 1 hour and 45 minutes.

- The paper is made up of two sections and is out of a total of 80 marks.
- Section A – Areas of study, dictation, and unfamiliar pieces
- Section B – Extended response comparison between a set work and one unfamiliar piece.

This GCSE qualification will be graded and certificated on a nine-grade scale from 9 to 1 using the total subject mark where 9 is the highest grade. This course is 60% coursework and 40% external examination for music.

Career Prospects

This is a gateway to A Level in Music. If students choose to seek employment, they will have a portfolio of compositions and performances that evidences their ability to pursue a course in Music, covering different projects and producing a range of work. There may be opportunities to work, for example, as a musician, in the music production industry, a radio presenter, DJ, music teacher, orchestral player, music technician, song writer, recording studio, singer, rock star, composer, sound designer, accompanist, session musician and many more.

Psychology – AQA - 8182 - (9-1)

Course Outline

Psychology is the science of mind, brain and behaviour. It seeks to understand why and how humans behave.

The aims and objectives of this qualification are to:

- use specialist vocabulary, psychological concepts, terminology and convention to engage in the process of psychological enquiry
- acquire knowledge and understanding of psychology, developing an understanding of self and others, and how psychological understanding can help to explain everyday social phenomena
- understand how psychological research is conducted, including the role of scientific method and data analysis
- present information, develop arguments and draw conclusions through a critical approach to psychological evidence, developing as reflective thinkers
- develop an understanding of the relationship between psychology and personal, moral, social and cultural issues, and develop an understanding of ethical issues in psychology
- develop an understanding of psychological issues, the contribution of psychology to individual, social and cultural diversity, and how psychology contributes to society

Course Details

Paper 1 – Cognition and behaviour

- Topic 1: Memory – how does memory work?
- Topic 2: Perception – how do we perceive visual objects, including optical illusions?
- Topic 3: Development – how do we develop?
- Topic 4: Research methods – how is Psychological research conducted?

Paper 2 – Social context and behaviour

- Topic 5: Social influence – why is our behaviour so heavily influenced by those around us?
- Topic 6: Language, thought and communication – how and why do we communicate with others?
- Topic 7: Brain and neuropsychology – how does the brain influence our behaviour?
- Topic 8: Psychological problems – how do we explain and treat addiction and depression?

Assessment Criteria

Paper 1 - **Written examination: 1 hour and 45 minutes**

50% of the qualification

The paper consists of four sections, which cover the topics listed above. These sections will include multiple-choice, short-open and open-response questions.

Students will be expected to draw on knowledge and understanding of the entire course of study to show a deeper understanding of these topics.

Paper 2 - **Written examination: 1 hour and 45 minutes**

50% of the qualification

The paper consists of four sections, which cover the topics listed above. These sections will include multiple-choice, short-open and open-response questions.

Students will be expected to draw on knowledge and understanding of the entire course of study to show a deeper understanding of these topics.

Career Prospects

Psychology is a rapidly expanding subject with strong career potential. Realistic careers include management, marketing, advertising, profiling, recruitment, education, healthcare, forensic law, forces officership, counselling/therapy and research work. The A Level course follows on well but equally the GCSE course is good preparation for any Science or Humanities subject at A Level.

Drama – AQA - 8261

GCSE Drama offers students the opportunity to explore drama as a practical art form in which ideas and meaning are communicated to an audience through choices of form, style and convention. Students will create, perform and respond to drama informed by their theoretical knowledge of drama and theatre. The subject content details the knowledge, understanding and skills that students are expected to develop throughout the course of study.

Course Outline

The aim and objectives of the qualification are to enable students to:

- apply knowledge and understanding when making, performing and responding to drama
- explore performance texts, understanding their social, cultural and historical context including the theatrical conventions of the period in which they were created
- develop a range of theatrical skills and apply them to create performances
- work collaboratively to generate, develop and communicate ideas
- develop as creative, effective, independent and reflective students able to make informed choices in process and performance
- contribute as an individual to a theatrical performance
- reflect on and evaluate their own work and that of others
- develop an awareness and understanding of the roles and processes undertaken in contemporary professional theatre practice and to adopt safe working practices.

Course Details

Component 1 – Understanding Drama (Written exam 40% of total GCSE 80 marks)

Component 2 – Devising (Practical 40% of total GCSE 80 marks)

Component 3 – Texts in Practice (Practical 20% of total GCSE 40 marks)

Assessment Criteria

- For Component 1 students will prepare for a written exam which is divided into three compulsory sections:
 - Section A: Theatre roles and terminology
 - Section B: Study of set text
 - Section C: Live theatre production.
- Component 2 is a practical component in which students are assessed on their ability to create and develop ideas to communicate meaning for theatrical performance and apply theatrical skills and analyse and evaluate their own work. This will be tracked in a devising log book.
- Component 3 is a practical component in which students are assessed on their ability to apply theatrical skills to realise artistic intentions in live performance and is marked by AQA. For this component students must complete two assessment tasks: • study and present a key extract (monologue, duologue or group performance) • study and present a second key extract (monologue, duologue or group performance) from the same play.

Career Prospects

After you have completed GCSE Drama you can go on to higher levels of study. These include: GCE Drama and Theatre Studies at AS and A2 Level. Drama also offers an in-depth insight into various Arts careers, including work as an actor, producer, director, set/lighting/costume designer, theatre technician, television presenter, playwright and many more. Additionally, the study of Drama will provide students with essential skills such as creativity, critical thinking, group work skills, and confidence, which are transferable for numerous careers.

Triple Science – IGCSE – (9-1)

Biology (4BI1-R) Chemistry (4CH1-R) Physics (4PH1-R)

Course Outline

The Triple Science course consists of individual IGCSE courses in Biology, Chemistry and Physics. Essentially students will be covering a greater breadth and depth of science than if they followed the Combined Science route.

The objectives of the course are for students to further appreciate and understand How Science Works. To develop students' understanding of higher-level Biology, Chemistry and Physics, to develop students' questioning, analytical and evaluative approach to scientific problems and issues. To bridge the gap between IGCSE and GCE A-level Science courses. This route through the IGCSE Science course will enable students to attain 3 separate Science IGCSEs, instead of the Combined Science which is equivalent to 2 IGCSEs.

Skills that will be developed will be the ability to plan investigations and to analyse, interpret and evaluate data; the ability to critically evaluate Science in the news and to appreciate the processes that scientists go through in order to collect evidence and develop theories.

Skills developed fall into four main areas: Knowledge and Understanding (including science as an evidence based discipline, the collaborative nature of science, how scientific theories develop and the limitations of science), Practical Skills (planning, obtaining and presenting evidence, interpreting data, evaluating a method), Working Scientifically (data, evidence, theories and explanations, practical and enquiry skills, communication skills, applications and implications of science) and Mathematical skills (applying mathematics).

Course Details

Biology Paper 1 (61.1% of IGCSE) 1 The nature and variety of living organisms 2 Structures and functions in living organisms 3 Reproduction and inheritance 4 Ecology and the environment 5 Use of biological resources 2 hour written examination – 110 Marks	Biology Paper 2 (38.9% of IGCSE) 1 The nature and variety of living organisms 2 Structures and functions in living organisms 3 Reproduction and inheritance 4 Ecology and the environment 5 Use of biological resources 1 hour 15 minute written examination – 70 marks
Chemistry Paper 1 (61.1% of IGCSE) 1 Principles of chemistry 2 Inorganic chemistry 3 Physical chemistry 4 Organic chemistry 2 hour written examination – 110 Marks	Chemistry Paper 2 (38.9% IGCSE) 1 Principles of chemistry 2 Inorganic chemistry 3 Physical chemistry 4 Organic chemistry 1 hour 15 minute written examination – 70 marks
Physics Paper 1 (61.1% of IGCSE) 1 Forces and motion 2 Electricity 3 Waves 4 Energy resources and energy transfers 5 Solids, liquids and gases 6 Magnetism and electromagnetism 7 Radioactivity and particles 8 Astrophysics 2 hour written examination – 110 Marks	Biology Paper 2 (38.9% of IGCSE) 1 Forces and motion 2 Electricity 3 Waves 4 Energy resources and energy transfers 5 Solids, liquids and gases 6 Magnetism and electromagnetism 7 Radioactivity and particles 8 Astrophysics 1 hour 15 minute written examination – 70 marks

Assessment Criteria

All examinations are not tiered and are externally assessed written papers.

The papers contain a mixture of different question styles, including multiple-choice questions, short-answer questions, calculations and extended open-response questions.

This IGCSE qualification will be graded and certificated on a nine point scale from 9-1 using the total from Paper 1 and 2 resulting in three IGCSE grades, one for each Science.

Career Prospects

Based on minimum entry requirements students can progress from this qualification to GCE A Levels and International Advanced Level qualifications in Biology, Chemistry and/or Physics.

Physical Education - 1PE0 (9-1)

Course Outline

GCSE Physical Education will equip students with the knowledge, understanding, skills and values they need to be able to develop and maintain their performance in physical activities. Students will also gain understanding of how physical activities benefit health, fitness and well-being.

The aims and objectives of this qualification are to enable students to develop theoretical knowledge and understanding of the factors that underpin physical activity and sport and how to use these factors to improve performances. It also provides opportunities for students to understand how the physiological and psychological state affects performance in physical activity and sport and the contribution that physical activity and sport can make to health, fitness and well-being.

The practical element of the course aims to improve performances in different physical activities by developing skills, techniques, tactics and strategies. In addition, students will develop their ability to analyse and evaluate to improve performances in physical activity and sport as well enhance their understanding of the key socio-cultural influences that can affect people's involvement in physical activity and sport.

Qualification Content - The GCSE course consists of four components.	
GCSE Component	Content Overview
Component 1 (Fitness & Body Systems)	<ul style="list-style-type: none"> • Topic 1: Applied anatomy and physiology • Topic 2: Movement analysis • Topic 3: Physical training • Topic 4: Use of data
Component 2 (Health & Performance)	<ul style="list-style-type: none"> • Topic 1: Health, fitness and well-being • Topic 2: Sport psychology • Topic 3: Socio-cultural influences • Topic 4: Use of data
Component 3 (Practical Performance)	<ul style="list-style-type: none"> • General performance skills • skills during individual and team activities
Component 4 (Personal Exercise Programme)	<ul style="list-style-type: none"> • Aim and planning analysis, • Carrying out and monitoring the PEP • Evaluation of the PEP

Assessment Criteria

PE GCSE Component	Assessment Overview	
Component 1 (Fitness & Body Systems)	Multiple-choice, short answer, and extended writing questions. Calculators can be used in the examination	Written examination: 1 hour and 45 minutes. (90 marks) 36% of total GCSE
Component 2 (Health & Performance)	Multiple-choice, short answer, and extended writing questions. Calculators can be used in the examination	Written examination: 1 hour and 15 minutes (70 marks) 24% of total GCSE
Component 3 (Practical Performance)	Students competing in three physical activities from a set list (1 team activity, 1 individual activity and Free choice) Students will be assessed against set assessment criteria (GCSE 9-1)	Non-examined assessment: internally marked and externally moderated (105 marks - 35 marks per activity) 30% of total GCSE
Component 4 (Personal Exercise Programme)	Students will produce a Personal Exercise Programme (PEP), and require students to analyse their performance.	Non-examined assessment: internally marked and externally moderated (20 marks) 10% of total GCSE

Component 1 and 2 are externally assessed in May/June.

Component 3 and 4 may be assessed at any point during the course internally by the teacher. These marks are then modified by an external moderator and will be completed prior to the final exams.

Career Prospects

GCSE PE opens many doors and closes none! It allows students an in depth in-sight into the career pathways in sport, including the necessary skills, placing students in the best position possible to go onto further study. Studying a GCSE in PE could allow opportunities in the future for students to study a broad range of subjects at university, including physiotherapy, sports science, psychology, education, criminology and occupational therapy. The wide range of topics covered within GCSE PE means that it is easy to make links to a variety of subject areas. Additionally, studying Physical Education will provide students with a wealth of transferable skills including:

- Independent study skills
- Presentation and group work skills
- Critical, analytical thinking and writing skills
- The ability to write extended answers and coursework.