



Byron College

THE BRITISH INTERNATIONAL SCHOOL

# YEAR 9 IGCSE Options Evening 2017



*Thursday, 16th March*

*4 - 6pm*

# Key Stage 4

## Years 10 & 11

### COMPULSORY IGCSE SUBJECTS

- English First Language *or* English as a Second Language
- Mathematics (Core *or* Extended)
- Modern Greek (Beginners or Advanced level)

### COMPULSORY NON EXAM SUBJECTS

- Physical Education (PE)

### OPTIONAL IGCSE EXAM SUBJECTS

#### Modern Languages

- English Literature
- Spanish
- Arabic

#### Sciences

- Biology
- Chemistry
- Physics
- Computer Science
- Additional Mathematics

#### Humanities

- Geography
- History
- Business Studies

#### Creative Arts

- Art & Design
- Drama

#### Physical Education

- Physical Education (*theory & practical*)

# Academic Year 2017/2018

## Year 10 Option Blocks

*Please select one subject from each block:*

BLOCKS	SUBJECTS
OPTION 1	Biology <b>or</b> Business Studies <b>or</b> Drama
OPTION 2	Chemistry <b>or</b> Art & Design <b>or</b> Spanish
OPTION 3	Physics <b>or</b> History
OPTION 4	Additional Mathematics <b>or</b> English Literature <b>or</b> Physical Education
OPTION 5	Computer Science <b>or</b> Geography

## COMPULSORY IGCSE SUBJECTS

### **IGCSE First Language English**

*Exam Board: Cambridge—Syllabus Code: 0500*

Cambridge IGCSE First Language English is designed for learners whose first language is English. Cambridge IGCSE First Language English learners develop the ability to communicate clearly, accurately and effectively in both speech and writing. They learn how to employ a wide-ranging vocabulary, use correct grammar, spelling and punctuation, and develop a personal style and an awareness of the audience being addressed.

Learners are also encouraged to read widely, both for their own enjoyment and to further their awareness of the ways in which English can be used. Cambridge IGCSE First Language English also develops more general analysis and communication skills such as synthesis, inference, and the ability to order facts and present opinions effectively.



### **IGCSE English as a Second Language**

*Exam Board: Cambridge—Syllabus Code: 0511*

Cambridge IGCSE English as a Second Language is designed for learners who already have a working knowledge of the language and who want to consolidate their understanding in order to progress in their education or career. Through their studies, learners will improve their ability to understand and use English in a range of situations.

The aim is to achieve a level of practical communication ideal for everyday use, which can also form the basis for further, more in-depth language study.

## IGCSE Mathematics

*Exam Board: Cambridge—Syllabus Code: 0580*

An essential subject for all learners, Cambridge IGCSE Mathematics encourages the development of mathematical knowledge as a key life skill, and as a basis for more advanced study. The syllabus aims to build 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.

The course is differentiated and is taught at **two** levels:

**CORE** - for pupils who need a basic menu of essential mathematical skills;

**EXTENDED** - for pupils who wish to continue with mathematics at Advanced level.



## IGCSE Modern Greek

*Exam Board: Edexcel—Syllabus Code: 4MGO/01*

The course is adaptable for both beginners and advanced level. Pupils develop their understanding of contemporary texts in Modern Greek and develop linguistic skills required to translate texts into English and vice versa.

The course offers an insight into the written forms of the language within defined contexts. Furthermore, pupils have the opportunity to explore Greek literature and critically evaluate Greek literary works.

## OPTIONAL IGCSE EXAM SUBJECTS

### Modern Languages

#### **IGCSE English Literature**

*Exam Board: Edexcel—Syllabus Code: 4ETO*

Pupils will engage with a selection of prose, drama and poetry from around the world, developing an appreciation of the ways in which authors achieve their literary effects, and exploring other cultures through literature.



#### **IGCSE Spanish**

*Exam Board: Edexcel—Syllabus code: 4SPO*

The syllabus is designed for learners who are learning Spanish as a foreign language. The Edexcel GCSE Spanish consists of four units based on the following skills: reading, writing, listening and speaking and these are built on as learners progress through their studies. The syllabus also aims to offer insights into the solid knowledge of grammar and into the culture and civilisation of Spain and Spanish speaking countries.

#### **GCSE Arabic**

*Exam Board: Edexcel—Syllabus code: 5ARO*

The course encourages pupils to develop understanding of the written forms of Arabic from a variety of registers, to increase their sensitivity to language and language learning and to communicate clearly and imaginatively in Arabic through both the written and the spoken word, using increasingly accurate and varied language.

## Sciences

### **IGCSE Biology**

*Exam Board: Cambridge—Syllabus Code: 0610*

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.

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.

### **IGCSE Chemistry**

*Exam Board: Cambridge—Syllabus Code: 0620*

Pupils develop an understanding of topics such as the particle theory, chemical bonding, equilibrium, mole calculations, industrial manufacturing, separating techniques, environmental chemistry and organic chemistry.

They also develop an understanding of the scientific skills essential for further study at Cambridge International A Level, skills which are useful in everyday life.

### **IGCSE Physics**

*Exam Board: Cambridge—Syllabus Code: 0625*

Pupils learn about the basic principles of Physics through a mix of theoretical and practical studies.

The course introduces them to concepts such as mechanics, thermal physics, waves, electricity, magnetism and atomic physics. Pupils develop abilities and skills such as critical thinking and problem solving.



## **IGCSE Computer Science**

*Exam board: Cambridge—Syllabus Code: 0478*

Computer Science is the study of the foundational principles and practices of computation and computational thinking and their application in the design and development of computer systems. Learning computational thinking involves learning to program, that is to write computer code, because this is the means by which computational thinking is expressed.

This course enables learners to gain confidence in computational thinking and programming. They develop their understanding of the main principles of problem-solving using computers. Learners apply their understanding to develop computer-based solutions to problems using algorithms and a high-level programming language. They also develop a range of technical skills, as well as the ability to test effectively and to evaluate computing solutions.



## **Additional Mathematics**

*Exam Board: Cambridge—Syllabus Code: 0606*

Additional Mathematics is intended for high ability learners who have achieved, or are likely to achieve, grade A\*, A or B in the Cambridge IGCSE Mathematics examination. Cambridge IGCSE Additional Mathematics enables learners to extend the mathematical skills, knowledge and understanding developed in the Cambridge IGCSE Mathematics course and use skills in the context of more advanced techniques.

The syllabus has a Pure Mathematics only content which enables learners to acquire a suitable foundation in mathematics for further study in the subject. Knowledge of the content of the Cambridge IGCSE Mathematics syllabus (or an equivalent syllabus) is assumed.

## Humanities

### **IGCSE Geography**

*Exam Board: Cambridge—Syllabus Code: 0460*

Through the Cambridge IGCSE Geography syllabus, learners will develop a 'sense of place' by looking at the world around them on a local, regional and global scale. Learners will examine a range of natural and man-made environments, and study some of the processes which affected their development. They will also look at the ways in which people interact with their environment, and the opportunities and challenges an environment can present, thereby gaining a deeper insight into the different communities and cultures that exist around the world.

The course consists of five main sections: Population and Settlement, The Natural Environment, Economic Development, Geographical Skills and Exam Preparation.

### **IGCSE History**

*Exam Board: Cambridge—Syllabus Code: 0470*

The History syllabus looks at some of the major international issues of the nineteenth and twentieth centuries, as well as covering the history of particular regions in more depth. The emphasis is on both historical knowledge and on the skills required for historical research.

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

### **IGCSE Business Studies**

*Exam Board: Cambridge—Syllabus Code: 0450*

Business Studies develops learners' understanding of business activity in the public and private sectors, and the importance of innovation and change. Learners find out how the major types of business organisation are established, financed and run, and how their activities are regulated. Factors influencing business decision-making are also considered, as are the essential values of cooperation and interdependence. Learners not only study business concepts and techniques but also enhance related skills such as numeracy and enquiry.

## Creative Arts

### IGCSE Art and Design: Fine Art

*Exam Board: Edexcel—Syllabus Code: 4FA0*

This course focuses on the understanding of the formal elements of Art. Pupils create a personal portfolio of work. Art history is taught in conjunction with topic work where pupils practice and develop a range of skills, and use of different media. Each topic will be centred on one formal element, such as tone, colour and texture. Observational drawing is an essential skill that is developed throughout the two years and pupils are given the opportunity to start developing their own style, to explore ideas and to research primary and contextual sources, experiment with media, materials, techniques and processes, and finally present personal response(s) to the externally set theme.



### IGCSE Drama

*Exam Board: Cambridge—Syllabus Code: 0411*

Drama gives pupils the opportunity to explore human presence, drawing on experiences from real life, the imagination and the realms of media. IGCSE Drama engages with the making and communicating of meaning involving performers and audiences. It provides a medium for personal exploration, social criticism, as well as entertainment. Pupils who study IGCSE Drama are actively participating in a way of learning that combines intellectual and emotional experience, and offers a unique means of inquiry that contributes to knowing and understanding themselves and the world.

## Physical Education

### GCSE Physical Education

*Exam Board: Edexcel—Syllabus Code: 1PE0*

Pupils will receive a well-rounded introduction to the world of Physical Education, sport and sport science by developing an understanding of how the mind and body works in relation to performance in physical activity. Moreover, they will understand how sport physiology and sport psychology contribute to their general fitness, performance and wellbeing.

The theoretical part helps learners develop an appreciation of the benefits of a healthy and active lifestyle and is assessed by a written examination. For the practical part pupils have to perform in **three** activities (full course) or **two** activities (short course). In addition, for the full course, pupils need to design and present a performance analysis evaluating their own performance in a chosen activity.



