

Senior School Welcome to the IGCSE Programme 2018 - 2020

preparing for the world

DULWICH COLLEGE | SHANGHAI PUDONG | 上海德威外籍人员子女学校(浦东)





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# in you securing your future

## **Graduate Worldwide**

#### **Our Vision**

To create the best schools in the world.

#### **Our Purpose**

Our students make a difference in the world.

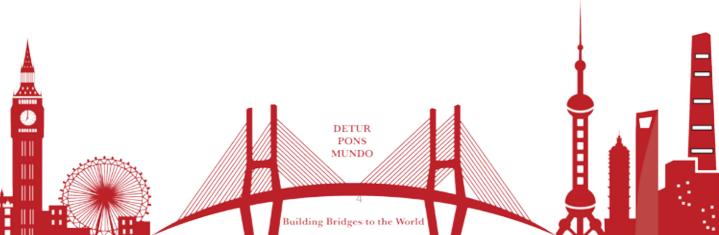
Our Vision and Purpose are supported by three strategic pillars governing our decision-making and our actions.

Students Come First
One College, Many Campuses
Pioneering Spirit

Our motto, Detur Pons Mundo, is translated as "Building Bridges to the world".

## **Philosophy and Objectives**

- The College develops the complete individual
- The College challenges individuals to strive for excellence
- The College encourages respectful collaboration
- The College celebrates the diversity of its community
- The College is committed to developing charitable and compassionate individuals who are willing to contribute to the community
- The College provides individuals with the skills and outlook to live and work in all areas of the globe
- The College prepares individuals to meet the challenges of an ever-changing world
- \* The College aims to develop confident individuals prepared to take risks



## What is the IGCSE/GCSE Programme?

The Year 10 and 11 curriculum at Dulwich College Shanghai Pudong is based on the programmes offered by the University of Cambridge Local Examinations Syndicate (UCLES) and Edexcel, which have offered IGCSE and GCSE subjects as an integral part of their international examination provision for many years.

The IGCSE and GCSE examination programme has been designed for 14 to 16 year olds and is a two-year course. It aims to prepare students for further academic success, including progression to the International Baccalaureate Diploma Programme. The IGCSE and GCSE qualification is recognised by academic institutions and employers around the world.

Students will primarily be following IGCSE courses. In some subjects the students will follow GCSE courses, the UK based equivalent. It is important to note that these situations will be in a minority and these courses have been selected, as they most suitably prepare our students for the International Baccalaureate Diploma Programme in Years 12 and 13.

The IGCSE curriculum in particular allows teaching to be placed in a localised context, making it relevant in different regions of the world. It is also suitable for students whose first language may not be English and this is acknowledged throughout the examination process. However, it is essential to note that English is the language of instruction at Dulwich Pudong and as such, students do require a good level of competency in this area in order to fulfil their potential.

#### Assessment at IGCSE/GCSE

At the end of the two-year programme, students are assessed both internally and externally in ways that measure individual performance against stated objectives for each subject.

#### Internal Assessment (Coursework)

In certain subjects some of the assessment is carried out internally by teachers, who mark individual pieces of work produced as part of the course of study. Examples include oral exercises in language subjects, projects, student portfolios, class presentations, practical laboratory work and artistic performances. Most assessment tasks are conducted and overseen by teachers and moderated externally by IGCSE/GCSE Examiners.

#### **External Assessment**

Due to the greater degree of objectivity and reliability provided by the standard examination environment, externally marked examinations form the greatest share of assessment for each subject. The final IGCSE/GCSE examinations will take place during May/June 2020 but students will be required to sit Mock examinations in preparation for the final examinations during January 2020.

The grading system for all Cambridge examinations is based on an eight-point scale  $A^* - G$ . Edexcel examinations have now changed to be based on a nine-point scale from 9-1. Further information on how to interpret and compare these grading scales will be given at key times throughout the course.

IGCSE/GCSE is the world's most popular international curriculum for 14-16 year olds, leading to globally recognised IGCSE and GCSE qualifications. In many countries, IGCSE/GCSE courses are widely used as a preparation for AS/A Level, IB Diploma Programme and US Advanced Placement courses. A grade C in IGCSE English as a First Language satisfies the English proficiency requirements of many universities in the UK and other Anglophone countries.

## **Examination Boards and Course Specifications**



The following subject areas follow the IGCSE course set by the University of Cambridge International Examinations Board:

- Chinese as a Second Language
- Drama
- Economics
- English as a Second Language
- First Language Chinese
- First Language English
- World Literature
- French as a Foreign Language
- Geography
- Global Perspectives
- History
- Mandarin as a Foreign Language
- Mathematics and Additional Mathematics
- Music
- Spanish as a Foreign Language



advancing learning, changing lives

The following subject areas follow the IGCSE course set by Edexcel:

- Biology
- Chemistry
- Physics

The following subject areas follow the GCSE course set by Edexcel:

- Physical Education
- Art & Design: Fine Art
- Art & Design: Graphic Communication

Course information and assessment information for each subject can be found within the specific subject guides later in this booklet.

If you would like further information or detailed subject guides please visit the following websites:

http://www.cambridgeinternational.org/

http://www.edexcel.org.uk

## Frequently Asked Questions

#### When do students begin the IGCSE Programme?

The I/GCSE programme at Dulwich Pudong usually begins in Year 10 and is completed in the summer term of Year 11. However, in Science, students begin the courses in Year 9 and use the three years to complete the course. In addition, within Mathematics, some students may begin the IGCSE course in Year 9 and sit the IGCSE examinations in Term 3 of Year 10. These students will then follow the IGCSE Additional Mathematics course in Year 11 to further extend and prepare them for the IB Diploma Programme.

#### Do all students follow the same programme?

The programme provides a broad study framework by drawing subjects from six topic areas: English, Languages, Science, Humanities, Mathematics and the Creative Arts. Within the programme there is a balanced mix of practical experience and theoretical knowledge. The programme is tailored to the needs of the individual. The majority of students will study 9-10 I/GCSE subjects but some students may be directed to take fewer.

#### Do all students follow the same subjects at the same level?

Certain subjects at I/GCSE have two levels of entry for the final examinations and these are specified later in this booklet. The Core Level is for all students and the Extended Level for students who show higher academic potential. At Dulwich Pudong, almost all students will be undertaking the Extended Level. This will afford the students the full range of grades A\* to G. On some specific occasions, in consultation with the subject teachers, students may be entered for the Core Level. This would be the exception rather than the rule.

#### How does the IGCSE Programme relate to the IB Diploma Programme?

At Dulwich Pudong, we offer the IB (International Baccalaureate) Programme in Year 12 and 13. The Diploma Programme is a challenging two-year programme of international education for students aged 16 to 19 years. The IB Diploma Programme prepares students for university and encourages them to:

- Ask challenging questions
- Learn how to learn
- Develop a strong sense of their own identity and culture
- Develop the ability to communicate with and understand people from other countries and cultures.

The links between I/GCSE subjects and the IB Diploma Programme are explained briefly within the I/GCSE individual subject course descriptions.

# The I/GCSE Programme at Dulwich College Shanghai Pudong

#### **IGCSE Programme Subjects**

#### **Compulsory Subjects:**

#### **English**

Students will be assigned to one of three pathways based on their prior learning. These are: English First Language & World Literature; English Language Only or English as a Second Language.

Most Dulwich Pudong students will be assigned to the English First Language & World Literature pathway.

#### Science

All students will undertake the separate Sciences of Biology, Chemistry and Physics.

#### **Mathematics**

Students will be assigned to one of three pathways based on their prior learning. These pathways are the Double Award programme (IGCSE Mathematics in Year 10 and IGCSE Additional Mathematics in Year 11); the enriched IGCSE Programme (Extended IGCSE with parts of the Additional Mathematics course included); and the Standard programme (IGCSE Mathematics over two years).



#### **Optional Subjects**

Languages	Humanities	Arts & Electives
Choose 1	Choose 1	Choose any 2 from this column
First Language Chinese	Economics	Fine Art
Second Language Chinese	Geography	Graphic Communication
Foreign Language Mandarin	Global Perspectives	Computer Science
Foreign Language Spanish	History	DICE (Design, Innovation, Communication and Enterprise)*
Foreign Language French		Drama
		Music
		Physical Education
		Second Language Chinese
		Foreign Language Mandarin
		Chinese Literature*
		Economics
		Geography
		Global Perspectives
		History

For Group 6 (Arts & Electives) students will choose any two subjects from the column.

\*: DICE and Chinese Literature are both courses designed by Dulwich Pudong that are 100% internally assessed. Their content and assessment are designed and delivered by the school in order to best prepare students for the IBDP programme in related subjects. Therefore they are not endorsed or certified by Cambridge or Edexcel.

NOTE: Students taking First Language Chinese are strongly encouraged to take Chinese Literature in Group 6. This course will provide students intending to study Chinese A Literature or Chinese A Language and Literature in the IB Diploma Programme with the necessary skills in literary analysis.

RESTRICTION: In order to ensure a balanced programme students are not able to take both subjects within Art and Design. Therefore students may choose either Fine Art OR Graphic Communication, not both.

IN ADDITION: Wellbeing, Physical Education and the Cross Curricular Programme are compulsory for all students.

IMPORTANT: Some courses may not be offered due to insufficient student enrolment. In addition, it is not always possible to accommodate all course selections due to scheduling conflicts. Every effort will be made to accommodate student preferences but on occasions it may be necessary for students to modify their option choices. This is very much the exception rather than the rule.



## **Group 1: First Language English**

#### **Entry Guidance:**

First Language English speakers and Second Language speakers who are highly proficient in English must select this course.

#### Course Aims:

This course aims to enable candidates to:

- Communicate accurately, appropriately and effectively in speech and writing
- Understand and respond appropriately to what they hear, read and experience
- Enjoy and appreciate a variety of language
- Develop skills of a more general application (e.g. analysis, synthesis, drawing of inferences)
- Promote their own personal development and an understanding of themselves and others.

#### **Course Content:**

#### Reading

Candidates will read a range of texts and learn how to analyse and evaluate the material. They will be required to select evidence in support of their answers and to compare texts on a similar topic.

#### Writing

Candidates will learn to write in a range of styles, presenting facts, opinions and arguments as well as articulating more descriptive or personal experiences. In particular, they will learn to use the appropriate language for a given task.

#### Speaking & Listening

Throughout the course candidates will be expected to develop their ability to communicate verbally as an individual and as a member of a small group, assuming specific roles and responsibilities within class discussion and debate.

#### Course Assessment:

#### External Assessment 100%

The final assessment will take the form of two external examinations.

Paper 2 will primarily focus on reading skills and will be based on two passages linked by a common theme. The paper will test the candidate's ability to respond to one of the passages and their ability to summarise the key points in both passages.

Paper 3 will primarily focus on writing skills and will present the candidate with two tasks; the first being to write a speech, letter or report, whilst the second will allow them the opportunity to write their own composition, be it a narrative, argument or description.

#### What does the subject lead to in the IBDP Programme?

The course leads effectively into both Language A: Literature and Language A: Language and Literature at both Higher Level and Standard Level.

#### For further advice:

Contact the Head of English: douglas.sillett@dulwich-shanghai.cn

## **Group 1: World Literature**

#### **Entry Guidance:**

First Language English speakers and Second Language speakers who are highly proficient in English should select this course.

#### Course Aims:

This course will enable candidates to:

- Explore a range of literary texts to identify the skills and methods authors use to construct meaning
- Appraise literary texts from a number of perspectives, not merely to discern literal meaning but to appreciate the issues and attitudes that inform them
- Recognise and appreciate the means by which writers use language to create narrative and descriptive effect as well as that of characterisation, form and structure
- Write about texts and communicate an informed and personal response to what they have read.

#### **Course Content:**

Candidates will study a range of prescribed texts written in both English, or translated into English predetermined by the University of Cambridge International Examinations and selected by teachers. Students will also practice responding to unseen poetry and prose in preparation for the Component 2 examination. For the 2020 cohort these may include texts selected from the following examples, as well as texts from elsewhere:

#### **Prose**

'The Elephant Vanishes' – by Haruki Murakami (Japan)

'Selected Short Stories' - by Shen Congwen (China)

'Metamorphosis' - by Franz Kafka (Czech)

'Nervous Conditions' - by Tsitsi Dangarembga (Zimbabwe)

#### **Poetry**

'Songs of Ourselves': The University of Cambridge International Examinations Anthology of Poetry in English. (Various)

#### Drama

'A Dolls House' - Henrik Ibsen (Norway)

'Twelfth Night' - William Shakespeare (England)

'Antigone and Creon' – Sophocles (Ancient Greece)

#### Course Assessment:

#### **External Assessment**

Component 1 – 25% – One written examination that will consist of a variety of passage-based, and essay questions on the prescribed poetry and prose texts.

Component 2 – 25% – An analytical response to previously unseen poetry or prose.

Component 3 – 50% – A coursework portfolio containing three assignments based on the three literary genres of poetry, prose and drama. One task will be a critical study, one a piece of empathetic writing and one an oral conversation about the development of a theme or character in a text.

#### What does the subject lead to in the IBDP Programme?

The course leads effectively into both English A: Literature and English A: Language and Literature at both Higher Level and Standard Level.

#### For further advice:

Contact the Head of English: douglas.sillett@dulwich-shanghai.cn

## Group 1: English as a Second Language (ESL)

#### **Entry Guidance:**

The IGCSE English as a Second Language course 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.

#### Course Aims:

This course will enable candidates to:

- Develop their ability to use English effectively for the purpose of practical communication
- Develop a sound base for the skills required for further study of and in English
- Develop an awareness of the nature of language and language-learning skills.

#### **Course Content:**

Candidates will further develop their reading, writing, listening and speaking skills through the study of a variety of topics relating to the interests and needs of the candidates. In particular, topics will focus on the world of education, work, travel, health and current affairs.

#### The course will focus on:

- Selecting and organising material relevant to specific purposes
- Distinguishing between facts, ideas and opinions
- Inferring information from texts
- Conventions of textual cohesion, including paragraphing, reference and linking devices
- Grammatical and syntactical structures, including punctuation
- Register
- Pronunciation and stress patterns.

#### Course Assessment:

#### External Assessment 100%

The final assessment will take the form of two external examinations.

Paper 2: 70% Reading and Writing (Extended)

Paper 4: 15% Listening (Extended)

Oral Component: 15%

Oral tests are conducted internally during a period before the main examination session, and then sent to the examining board for external moderation.

#### What does the subject lead to in the IBDP Programme?

The course leads effectively into Language B English: Higher Level and Standard Level.

#### For further advice:

Contact the EAL Coordinator: marina.prozesky@dulwich-shanghai.cn



## **Group 2: First Language Chinese**

#### **Entry Guidance:**

First Language Mandarin speakers who are proficient in Mandarin may select this course.

#### **Course Aims:**

This course enables candidates to:

- Communicate accurately, appropriately and effectively in writing
- Understand and respond appropriately to what they read
- Develop skills of a more general nature (e.g. analysis, drawing of inference)
- Enjoy and appreciate the variety of language
- Promote their personal development and the understanding of themselves and others.

#### **Course Content:**

The course focuses on the study of literary works. Students will study and examine interpretations and experiences of the world through literature.

#### Course Assessment:

#### External Assessment 100%

The final assessment will take the form of two external examinations.

Reading 60% Writing 40%

#### What does the subject lead to in the IBDP Programme?

The course leads effectively into Chinese A: Literature (Higher Level and Standard Level) and Chinese A: Language and Literature (Higher Level and Standard Level).

Note: Students planning to take Chinese A Literature or Chinese A Language and Literature in the IBDP Programme, are strongly recommended to also select Chinese Literature from Group 6.

#### For further advice:

Contact the Head of Mandarin: diana.liu@dulwich-shanghai.cn

## Group 2 and Group 6: Chinese as a Second Language

#### **Entry Guidance:**

Second Language Mandarin speakers who have reached a level of fluency in Mandarin may select this course.

#### Course Aims:

This course enables candidates to:

- Promote their educational or employment prospects
- Gain an understanding of a wide range of social registers and styles
- Learn to communicate appropriately.

#### **Course Content:**

Candidates will further develop their reading, writing, listening and speaking skills through the study of a variety of topics relating to the interests and needs of the candidates. In particular, topics will focus on young people and education, society, the world and cultural diversity.

#### **Course Assessment:**

External Assessment 70%

Paper 1 Reading and Writing

Internal Assessment 30%

Paper 2 Speaking

#### What does the subject lead to in the IBDP Programme?

The course leads effectively into Chinese B: Higher level (HL) and Standard level (SL)

#### For further advice:

Contact the Head of Mandarin: diana.liu@dulwich-shanghai.cn

# Group 2 and Group 6: Mandarin as a Foreign Language

#### **Entry Guidance:**

The Foreign Language Mandarin course is recommended for speakers who have studied the language for a minimum of two years. While this course is not intended for beginners, an adapted beginner's course will be provided if required.

#### Course Aims:

This course enables candidates to:

- Develop the ability to communicate effectively using the target language
- Offer insights into the culture and society of countries where the language is spoken
- Develop awareness of the nature of language and language learning
- Encourage positive attitudes towards speakers of other languages and a sympathetic approach to other cultures and civilisations
- Provide enjoyment and intellectual stimulation
- Develop transferable skills (e.g. analysis, memorising, drawing of inferences) to complement other areas of the curriculum
- Form a sound base of the skills, language and attitudes required for progression to work or further study, either in the target language or another subject area.

#### **Course Content:**

Candidates will further develop their reading, writing, listening and speaking skills through the study of the following topics:

- Everyday activities: Home and school life; Food, health and fitness
- Personal and social life: Self, family and personal relationships; Holidays and special occasions
- The world around us: Home town and local area; Natural and urban environment; People, places and customs
- The world of work: Education; Careers and employment; Language and communication at work
- The international world: Tourism; Life in other countries; World events and issues.

#### **Course Assessment:**

#### External Assessment 100%

The final assessment will take the form of four external examinations.

Listening	25%
Reading and directed writing	25%
Speaking (carried out in school but marked externally)	25%
Continuous writing	25%

#### What does the subject lead to in the IBDP Programme?

The course leads effectively into Language B Mandarin: Higher Level and Standard Level. For those following an adapted beginners' course Mandarin Ab Initio may be a more suitable option.



## Group 2: Spanish as a Foreign Language

#### **Entry Guidance:**

For students who have studied Spanish as a foreign language, typically for two years or more. This course is not for beginners or for those who are native Spanish speakers.

#### Course Aims:

This course enables candidates to:

- Develop the ability to use the language effectively for purposes of practical communication in all Spanish-speaking countries
- Form a sound base of the skills required for further study, work and leisure through the use of an additional language
- Discover insights into life and culture in Spanish-speaking countries.

#### **Course Content:**

Candidates will further develop their reading, writing, listening and speaking skills through the study of the following topics:

- Everyday activities: Home and school life; Food, health and fitness
- Personal and social life: Self, family and personal relationships; Holidays and special occasions
- The world around us: Home town and local area; Natural and urban environment; People, places and customs
- The world of work: Education; Careers and employment; Language and communication at work
- The international world: Tourism; Life in other countries; World events and issues.

#### Course Assessment:

#### External Assessment 100%

Listening	25%
Reading	25%
Speaking (carried out in school but marked externally)	25%
Writing	25%

#### What does the subject lead to in the IBDP Programme?

The course leads effectively into Language B Spanish: Higher Level and Standard Level.

#### For further advice:

Contact the Head of Modern Foreign Languages: marta.loboperez@dulwich-shanghai.cn

## Group 2: French as a Foreign Language

#### **Entry Guidance:**

For students who have studied French as a foreign language, typically for two years or more. This course is not for beginners or those who are native French-speakers.

#### Course Aims:

This course enables candidates to:

- Develop the ability to use the language effectively for purposes of practical communication in all French speaking countries
- Form a sound base of the skills required for further study, work and leisure through the use of an additional language
- Discover insights into life and culture in French-speaking countries.

#### **Course Content:**

Candidates will further develop their reading, writing, listening and speaking skills through the study of the following topics:

- Everyday activities: Home and school life; Food, health and fitness
- Personal and social life: Self, family and personal relationships; Holidays and special occasions
- The world around us: Home town and local area; Natural and urban environment; People, places and customs
- The world of work: Education; Careers and employment; Language and communication at work
- The international world: Tourism; Life in other countries; World events and issues.

#### **Course Assessment:**

#### **External Assessment 100%**

The final assessment will take the form of four external examinations.

Listening	25%
Reading	25%
Speaking (carried out in school but marked externally)	25%
Writing	25%

#### What does the subject lead to in the IBDP Programme?

The course leads effectively into Language B French: Higher Level and Standard Level.

#### For further advice:

Contact the Head of Modern Foreign Languages: marta.loboperez@dulwich-shanghai.cn

## **Group 3 and Group 6: Economics**

#### **Entry Guidance:**

Candidates do not need any prior knowledge or experience for this course.

#### **Course Aims:**

This course aims to:

- Develop candidates' knowledge and understanding of economic terminology, principles and theories
- Develop candidates' basic economic numeracy and literacy and their ability to handle simple data including graphs and diagrams
- Develop candidates' ability to use the tools of economic analysis in particular situations
- Show candidates how to identify and discriminate between differing sources of information and how to distinguish between facts and value judgements in economic issues
- Develop candidates' ability to use economic skills (with reference to individuals, groups and organisations) to understand better the world in which they live
- Develop candidates' understanding of the economies of developed and developing nations and of the relationships between them; and to develop their appreciation of these relationships from the perspective of both developed and developing nations.

#### **Course Content:**

Candidates will learn about the economics of developed and developing nations and how these interrelate. They will learn to handle simple data and undertake economic analysis, evaluate information and discriminate between facts and value judgements in economic issues.

There are eight topics covered in the course:

- The basic economic problem: choice and the allocation of resources
- How the market works: The allocation of resources and market failure
- The individual as consumer, producer and borrower
- The private firm as producer and employer
- Role of government in an economy
- Economic Indicators
- Developed and developing economies: trends in production, population and living standards
- International Aspects

#### **Course Assessment:**

#### External Assessment 100%

The final assessment will take the form of two external examinations.

Paper 1: Multiple choice

30%

Paper 2: Structured questions (a mixture of data response and extended response questions) 70%

#### What does the subject lead to in the IBDP Programme?

The course leads effectively into Economics: Higher Level and Standard Level.

#### For further advice:

Contact an Economics teacher: petra.fairweather@dulwich-shanghai.cn

## Group 3 and Group 6: Geography

#### **Entry Guidance:**

Candidates do not need any prior knowledge or experience for this course.

#### **Course Aims:**

To provide students with a broad curriculum and lifelong skills, including an understanding of the physical and human environments in which they live through contemporary local, regional and global examples. This allows students an insight into different physical processes and systems, how communities around the world interact with, and are affected and constrained by, different environments.

#### **Course Content:**

The course has three main themes that encapsulate both physical and human Geography as well as human interactions with the environment. Each theme contains individual topics, such as the examples below:

- Theme 1: Population and Settlement
- Theme 2: The Natural Environment (tectonic hazards, river and coastal opportunities and hazards and natural environments)
- Theme 3: Economic Development (development, food production, industry, tourism, energy, water and environmental risks).

The course includes a local fieldtrip in Year 10, the data collected on this trip forms the foundation for the coursework internal assessment. The fieldtrip is compulsory for all students following this course.

#### **Course Assessment:**

#### External Assessment 72.5%

The final assessment will take the form of two external examinations and one piece of coursework that is internally assessed.

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Paper 2: Geographical Skills

(interpreting and analysing geographical information and decision-making) 27.5%

#### Internal Assessment 27.5%

Paper 3: Coursework

(internal assessment completed in Year 10) 27.5%

#### What does the subject lead to in the IBDP Programme?

The course leads effectively into Geography: Higher Level and Standard Level.

#### For further advice:

Contact the Head of Geography: laura.yardley@dulwich-shanghai.cn

## **Group 3 and Group 6: Global Perspectives**

#### **Entry Guidance:**

Candidates do not need any prior knowledge or experience for this course.

#### Course Aims:

To provide students with a groundbreaking and stimulating course that stretches across traditional subject boundaries and develops transferable skills. It is both cross-curricular, and skills-based. The emphasis is on developing the ability to think critically about a range of global issues where there are always multiple points of view. The course seeks to encourage awareness of global problems and offers a range of opportunities to explore solutions through cooperation and collaboration. It is about opening the minds to the complexity of the world and of human thought, encouraging empathy for the diversity of human experience and feeling.

#### **Course Content:**

The course has three main themes that encapsulates the Humanities and human interactions with the environment. Each theme contains individual topics, such as the examples below:

Component 1: Demographic change, Education for all, Employment, Fuel and Energy, Globalisation, Law and Criminality, Migration, Transport systems

Component 2: A choice of the following: Belief systems, Biodiversity and ecosystem loss, Changing communities, Digital world, Family, Humans and other species, Sustainable living, Trade and aid

Component 3: A choice of the following: Conflict and peace, Disease and health, Human rights, Language and communication, Poverty and inequality, Sport and recreation, Tradition, culture and Identity, Water, food and agriculture.

#### **Course Assessment:**

The final assessment will take the form of one external examination and two pieces of coursework that are internally assessed.

External Assessment	35%
Component 1: Written Examination	35%
Internal Assessment	65%
Component 2: Individual Report	30%
Component 3: Team Project	35%

Note: The internal assessment components are all internally assessed and externally moderated.

#### What does the subject lead to in the IBDP Programme?

The course leads effectively into a range of courses at IB level, particularly Group 3 (Individuals and Societies) as well as the core component, CAS.

#### For further advice:

Contact: anna.berg@dulwich-shanghai.cn



## **Group 3 and Group 6: History**

#### **Entry Guidance:**

Candidates do not need any specific prior knowledge but should have studied some form of history prior to selecting this course.

#### **Course Aims:**

This course enables candidates to develop a deep historical knowledge of the 20th Century, explore key historical concepts such as cause and consequence, change and continuity, and similarity and difference, understand how to analyse sources, develop critical thinking with regard to contemporary and historical issues and how to present clear, logical arguments.

#### **Course Content:**

This course focuses on 20th Century World History; a core study of the development of International Relations during this period and a depth study of major historical significance. The following topics will be covered as the Prescribed Topics of the Core Content and will be focused around the syllabus Key Questions:

- Were the peace treaties of 1919–23 fair?
- To what extent was the League of Nations a success?
- Why had international peace collapsed by 1939?
- Who was to blame for the Cold War?
- How effectively did the USA contain the spread of Communism?
- How secure was the USSR's control over Eastern Europe, 1948–c.1989?
- Why did events in the Gulf matter, c.1970–2000?

Students will also undertake a focused Depth Study of one topic

China, c.1930-c.1990

To develop an interest in the study of the past, various teaching and learning styles will be used including roleplay, debates, audiovisual presentations, group and pair work. Students must be prepared to read without prompting – on and around the subject. Technology is used to support a collaborative approach to learning.

#### Course Assessment:

#### External Assessment 73%

Paper 1: 40% Paper 2: 33%

#### School based coursework 27%

The final grade will be calculated from the two external examinations combined with the school based coursework assignment.

Paper 1: Written paper – two questions (Section A) on Core Content and one question (Section B) on Depth Study. All questions are in the form of structured essays

Paper 2: Written paper – six source-based questions on one topic from the Core Content

Paper 3: Coursework paper - one extended writing task based on a question from the Depth Study component

#### What does the subject lead to in the IBDP Programme?

The course leads effectively into History: Higher Level and Standard Level.

#### For further advice:

Contact the Head of History: jonathan.boyd@dulwich-shanghai.cn

## **Group 4: Biology**

#### **Entry Guidance:**

Candidates will need to have undertaken a general Science course or Biology as a single science or a combination of the two in Years 7 and 8.

#### Course Aims:

The course enables students to:

- Learn about the unifying patterns and themes in biology
- Acquire knowledge and understanding of biological facts, concepts and principles and the skills needed to use them in new and changing situations
- Appreciate the practical nature of biology, developing experimental and investigative skills based on correct and safe laboratory techniques
- Appreciate the importance of accurate experimental work and reporting scientific methods
- Sustain and develop an enjoyment of, and interest in, the study of living organisms
- Evaluate in terms of their biological knowledge and understanding, the benefits and drawbacks of scientific and technological developments, including those related to social, environmental and economic issues
- Select, organise and present information clearly and logically, using appropriate scientific terms and conventions
- Prepare for more advanced courses in biology and for other courses, which require them to have a knowledge of biology.

#### **Course Content:**

The content of the course comprises the following topics: characteristics of living organisms, variety of living organisms, levels or organisation, cells structure, biological molecules, movement of substances in and out of cells, nutrition, respiration, gas exchange, transport, excretion, coordination and response, reproduction, inheritance, the organisms in the environment, feeding relationships, cycles within ecosystems, human influences on the environment, food production, selective breeding, genetic modification and cloning.

#### Course Assessment:

#### External Assessment 100%

The final assessment will take the form of two external examinations.

Paper 1: 61.1% Paper 2: 38.9%

Both papers also include assessment of experimental skills.

#### What does the subject lead to in the IBDP Programme?

The course leads effectively into Biology: Higher Level and Standard Level and/or Environmental Systems and Societies: Standard Level.

#### For further advice:

Contact the Head of Biology: stephanie.rhodes@dulwich-shanghai.cn

## **Group 4: Chemistry**

#### **Entry Guidance:**

Candidates will need to have undertaken a general Science course or Chemistry as a single Science or a combination of the two in Years 7 and 8.

#### **Course Aims:**

The course enables students to:

- Learn about the unifying patterns and themes of chemistry and use them in new and changing situations
- Acquire knowledge and understanding of chemical facts, terminology, concepts and principles and practical techniques
- Apply the principles and concepts of chemistry, including those related to the application of chemistry, to different contexts
- Evaluate chemical information, making judgements on the basis of this information
- Appreciate the practical nature of chemistry, developing experimental and investigative skills based on correct and safe laboratory techniques
- Analyse, interpret and evaluate data and experimental methods, drawing conclusions that are consistent with evidence from experimental activities and suggesting possible improvements and further investigations
- Recognise the importance of accurate experimental work and reporting scientific methods in chemistry
- Select, organise and present relevant information clearly and logically, using appropriate scientific terms and conventions
- Develop a logical approach to problem solving in a wider context
- Select and apply appropriate areas of mathematics relevant to chemistry as set under each topic
- Prepare for more advanced courses in chemistry and for other courses, which require knowledge of chemistry.

#### **Course Content:**

The content of the course comprises the following topics: states of matter, elements, compounds and mixtures, atomic structure, the periodic table, chemical formulae, equations and calculations, ionic bonding, covalent bonding, metallic bonding, electrolysis, the group 1 elements, the group 7 elements, gases in the atmosphere, reactivity series, extraction and uses of metals, acids, alkalis and titrations, bases and salt preparations, chemical tests for ions and gases, energetics, rates of reactions, reversible reactions and equilibria, crude oil, alkanes, alkenes, alcohols, carboxylic acids, esters and synthetic polymers.

#### **Course Assessment:**

#### External Assessment 100%

The final assessment will take the form of two external examinations.

Paper 1: 61.1 %

Paper 2: 38.9 %

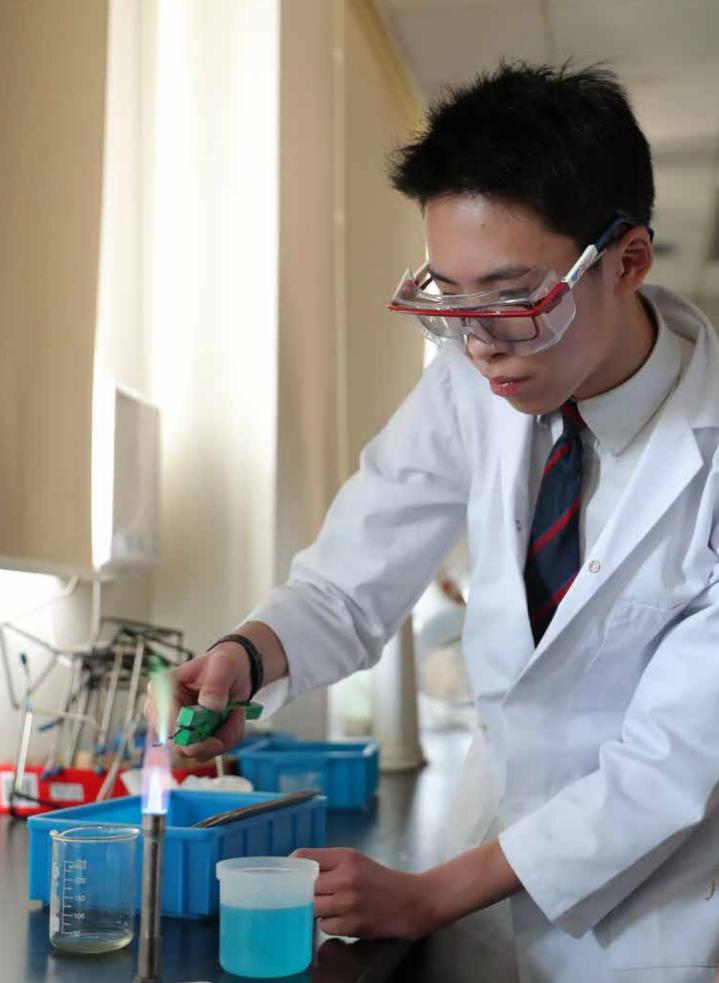
Both papers also include assessment of experimental skills.

#### What does the subject lead to in the IBDP Programme?

The course leads effectively into Chemistry: Higher Level and Standard Level.

#### For further advice:

Contact the Head of Chemistry: nico.casteele@dulwich-shanghai.cn



## **Group 4: Physics**

#### **Entry Guidance:**

Candidates will need to have undertaken a general Science course or Physics as a single Science or a combination of the two in Years 7 and 8.

#### Course Aims:

The course enables students to:

- Learn about the unifying patterns and themes of physics
- Acquire knowledge and understanding of physical facts, concepts and principles
- Appreciate the practical nature of physics, developing experimental and investigative skills based on correct and safe laboratory techniques
- Appreciate the importance to scientific methods of accurate experimental work and reporting
- Select, organise and present information clearly and logically, using appropriate scientific terms and conventions
- Develop a logical approach to problem solving in a wider context
- Evaluate, in terms of their knowledge and understanding, the benefits and drawbacks of reallife applications of science, including their everyday, industrial and environmental aspects
- Prepare for more advanced courses in physics and for other courses that require them to have a knowledge of physics.

#### Course Content:

The content of the course comprises the following topics: movement and position, forces, shape and momentum, astronomy, mains electricity, energy and potential differences in circuits, electric charge, properties of waves, the electromagnetic spectrum, light and sound, energy transfer, work and power, energy resources and electricity generation, density and pressure, change of state, ideal gas molecules, magnetism, electromagnetism, electromagnetic induction, radioactivity and particles.

#### **Course Assessment:**

#### External Assessment 100%

The final assessment will take the form of two external examinations.

Paper 1: 61.1% Paper 2: 38.9%

Both papers also include assessment of experimental skills.

#### What does the subject lead to in the IBDP Programme?

The course leads effectively into Physics: Higher Level and Standard Level.

#### For further advice:

Contact the Head of Physics: bryn.hughes@dulwich-shanghai.cn



## **Group 5: Mathematics**

#### **Entry Guidance:**

Candidates will need to have undertaken a Mathematics course in Years 7 to 9.

#### Course Aims:

This course enables candidates to:

- Continue the development of their mathematical knowledge
- Gain confidence, by developing a feel for numbers, patterns and relationships
- Develop an ability to consider and solve problems and present and interpret results
- Develop skills in communication and reasoning using mathematical concepts
- Create a solid foundation for further study.

#### **Course Content:**

The content of the course comprises the following topics:

- Number
- Algebra and graphs
- Geometry
- Mensuration
- Trigonometry
- Vectors and Transformations
- Statistics and probability.

#### Course Assessment:

#### External Assessment 100%

The final assessment will take the form of two external examinations.

Paper 1: Short answer questions 35% Paper 2: Structured questions 65%

Calculators will be allowed in both examinations.

#### What does the subject lead to in the IBDP Programme?

The Double Award course and the Enriched IGCSE lead into Mathematics Standard Level or Higher Level. The standard IGCSE Extended course leads into Mathematics Standard Level or Mathematical Studies at Standard Level.

#### For further advice:

Contact the Head of Mathematics: lynda.evans@dulwich-shanghai.cn

## **Group 6: Fine Art**

#### **Entry Guidance:**

It is recommended that students who wish to take this course should have completed an Art Course in Years 7 to 9.

#### Course Aims:

This course enables candidates to:

- Develop the skills to investigate, analyse and experiment using Art and Design
- Gain technical competence to form, compose and communicate in two and three dimensions
- Expand their working knowledge of Art materials as well as developing an innovative and inventive use of these materials and practices, increasing their understanding of past and contemporary Art and Design
- Acquire a critical awareness of different artistic environments, cultures and traditions
- Broaden their intuitive and imaginative responses to their own and others work and learn vocabulary and key terminology.

#### **Course Content:**

Students will produce work in the following disciplines:

- Painting through the use of a range of tools and media such as collage, assemblage, non figurative, non representational, abstract art, landscape, natural and man-made objects
- Drawing through the development of a range of effective skills in mark-making using a range of tools and surfaces in the investigation of non-figurative, non-representational and abstract work
- Printmaking to include: screen-printing, mono-printing, lino-printing, etching, lithography and dry point
- Sculpture investigating fixing and joining processes and modeling techniques in a range of materials to include wood, stone, plaster, clay, textiles, card, plastic, wax, found objects and materials.

#### Course Assessment:

#### Internal Assessment 60%

A portfolio will be selected from work produced in Years 10 and 11 to constitute 45 hours.

#### External Assessment 40%

The final assessment will take the form of one external examination.

Preparation period – 6 weeks; External Examination – 10 hours

#### What does the subject lead to in the IBDP Programme?

The course leads effectively into Visual Arts: Higher Level and Standard Level.

#### For further advice:

Contact the Head of Art: laura.thomson@dulwich-shanghai.cn

## **Group 6: Graphic Communication**

#### **Entry Guidance:**

It is recommended that students who wish to take this course should have completed an Art Course in Years 7-9. Students undertaking the course must have the Adobe CS6 Design Premium Suite installed on their laptop.

#### Course Aims:

This course enables candidates to:

- Develop an understanding of the possibilities offered by a huge range of materials and processes within graphic communication, and of the important role of signs and symbols
- Produce graphic solutions to defined problems that balance aesthetic and commercial considerations
- Investigate specific areas of a design problem, determine relevant sources of information and use them to research and define possible solutions
- Use appropriate design methodology, recognising the constraints of moral, social, cultural, environmental, economic and legal issues.

#### **Course Content:**

Graphic Design is the communication of information and ideas by visual means. The critical elements for a graphic designer are the successful communication of a message through the organisation of words and images.

In the context of Graphic Design at IGCSE, students are required to work in at least one of the following disciplines: advertising, illustration, packaging, typography and/or printmaking.

Students are exposed to the possibilities offered by a huge range of materials and processes within Graphic Design and of the important role of signs and symbols. In producing graphic solutions to defined problems, students will be able to balance aesthetic and commercial considerations. They will also learn how to investigate specific areas of a problem, determine relevant sources of information and use these to research and further define the problem.

#### **Course Assessment:**

Internal Assessment 60%

A portfolio will be selected from work produced in Years 10 and 11 to constitute 45 hours.

External Assessment 40%

The final assessment will take the form of one external examination.

Preparation period – 6 weeks; External Examination – 10 hours

#### What does the subject lead to in the IBDP Programme?

The course leads effectively into Visual Arts: Higher Level and Standard Level.

#### For further advice:

Contact the Head of Art: laura.thomson@dulwich-shanghai.cn

## **Group 6: Chinese Literature**

#### **Entry Guidance:**

This course is for students who take IGCSE First Language Chinese. Students who take this course are expected to be highly competent in Chinese reading and writing, as well as listening and speaking. They need to have a good understanding of, or experience with, the Chinese culture. They will get opportunities to cultivate their appreciation of Chinese literature through reading a variety of Chinese literature works. Please note that as Dulwich Pudong has created the curriculum and assessments of this course this is not a course endorsed or certified by Cambridge or Edexcel.

#### Course Aims:

This course enables candidates to:

- Be equipped with knowledge of the development of four literature genres: poetry, fiction, prose, and drama
- Write effectively using various writing skills
- Analyse and criticise literature works, both in speaking and in writing
- Have an enhanced competence in their language skills and their understanding of the Chinese culture
- Enjoy reading, and further develop their interest in, Chinese literature
- Attempt to create their own works of literature.

#### **Course Content:**

Students will study and examine selected poetry, fiction, prose, and drama from various historical periods, and gain knowledge, and skills, of appreciating these literature genres:

- Section 1: Poetry
- Section 2: Prose
- Section 3: Fiction
- Section 4: Drama

#### Course Assessment:

The course will be 100% internally assessed on the following three parts:

- Textual Analysis
- Individual Oral Commentary
- Written Task

#### What does the subject lead to in the IBDP Programme?

The course effectively supports students taking Chinese A: Literature or Chinese A: Language and Literature.

#### For further advice:

Contact the Head of Mandarin: diana.liu@dulwich-shanghai.cn

# Group 6: DICE (Design, Innovation, Communication and Enterprise)

#### **Entry Guidance:**

Candidates do not need any prior knowledge or experience for this course. Please note that Dulwich Pudong has created all curriculum and assessments of this course. This is not a course endorsed or certified by any external examination board.

#### **Course Aims:**

This course enables candidates to develop the 21st Century skills required to be successful both in education and their future careers in the changing world in which we live. DICE aims to encourage students to work both independently and collaboratively to create innovative products and services in a real world context. Students will also improve their design and communication skills in order to effectively pitch and promote their innovations.

#### **Course Content:**

Within this course, candidates will:

- Learn about business fundamentals including business activity, people in business, marketing, operations management, financial information and decisions and external influences on business activity
- Deepen their understanding of these fundamentals through the study of real-world case studies
- Apply their knowledge through the creation of their own innovative business as a start-up company
- Develop their design skills using established and new technologies to promote their business and product/service
- Improve their verbal communication skills through the completion of the LAMDA Public Speaking course
- Apply their improved verbal communication skills to effectively pitch their business in a 'Dragon's Den' style setting
- Be exposed to a range of entrepreneurs, innovators and design specialists through both guest speakers and workshops

#### Course Assessment:

Internal Assessment 100%

This consists of four assessed components that will take place over the course of the two-year course:

Individual Research Project 25%
 Business Enterprise Project and Pitch 25%
 LAMDA Public Speaking Examination 25%
 End of Course Examination 25%

#### What does the subject lead to in the IBDP Programme?

The course leads effectively into Business Management: Higher and Standard Level. It also develops the key skills necessary for success within Internal Assessments across the Diploma and within the Core Components.

#### For further advice:

Contact the Deputy Head of the Senior School (Academic): alison.derbyshire@dulwich-shanghai.cn



## **Group 6: Computer Science**

#### **Entry Guidance:**

Candidates do not need any prior knowledge or experience for this course.

#### Course Aims:

Studying Computer Science prepares our students of today for the jobs of tomorrow. This course aims 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.

#### **Course Content:**

Computer Science is a practical subject, with approximately one-third of the course devoted to programming in a high-level procedural language (Python). The course also covers.

#### Theory of Computer Science

- Data representation: Binary systems, Hexadecimal, Data storage
- Communication and Internet technologies: Data transmission, Security aspects, Internet principles of operation
- Hardware and software: Logic gates, Computer architecture and the fetch-execute cycle, Input devices, Output devices, Memory, storage devices and media, Operating systems, High- and low-level languages and their translators
- Security
- Ethics

Practical problem-solving and programming

- Algorithm design and problem-solving: Problem-solving and design, Pseudocode and flowcharts
- Programming: Programming concepts, Data structures; arrays
- Databases

#### Course Assessment:

External Assessment 100%

The final assessment will take the form of two external examinations:

Paper 1: Theory 60%
Paper 2: Problem-solving and Programming 40%

#### What does the subject lead to in the IBDP Programme?

The course leads effectively into Computer Science: Higher Level and Standard Level.

#### For further advice:

Contact Head of Computer Science: phil.whitaker@dulwich-shanghai.cn



## **Group 6: Drama**

#### **Entry Guidance:**

Candidates do not need any prior knowledge or experience for this course.

#### **Course Aims:**

This course enables candidates to:

- Develop an understanding of Drama through practical and theoretical study
- Realise the performance possibilities of text and other stimuli
- Use a range of dramatic forms and structures to communicate feelings and ideas to an audience
- Foster the acquisition and development of skills in Drama, both individually and in groups
- Develop an understanding of the processes and the elements involved in creating a performance and to develop evaluative ability across the various stages of performance work.

#### **Course Content:**

Within this course, candidates will devise dramatic material and reflect upon its effectiveness. Candidates will explore the performance possibilities of a variety of dramatic texts and other stimuli and will learn about the differing roles of actor, director, stage manager and technician. Performances will be in small groups and solo formats.

#### Course Assessment:

#### Internal Assessment 60%

This consists of three pieces of practical coursework: two group pieces and one solo piece devised from a list provided by CIE and assessed at strategic points during the course.

#### External Assessment 40%

The final assessment will take the form of one external written examination.

The paper will require responses to a pre-released text and three stimuli, and provide opportunity for reflection, explanation and evaluation of practical performance work.

#### What does the subject lead to in the IBDP Programme?

The course leads effectively into Theatre Arts and has strong connections to English A: Literature and English A: Language and Literature, Film, and Visual Art: Higher and Standard Level.

#### For further advice:

Contact the Head of Drama: carla.graves@dulwich-shanghai.cn



## **Group 6: Music**

#### **Entry Guidance:**

Candidates wishing to take Music are expected to have had some prior experience in musical performance. It is recommended that they have had at least two years of private tuition on their instrument and that they continue to receive regular private tuition on that instrument during Years 10 and 11. In addition, to support the performance element of the course they should regularly participate in at least one school ensemble.

#### **Course Aims:**

This course enables candidates to:

- Acquire and consolidate a range of basic musical skills, knowledge and understanding, through the activities of analysis, performing and composing
- Develop a perceptive, sensitive and critical response to a wide variety of musical genres and styles
- Recognise and understand the music of various non-Western traditions, forming an appreciation of cultural similarities and differences
- Develop a life-long appreciation of music and its collaborative nature
- Perform as a soloist and in a small ensemble
- Compose in a variety of styles.

#### **Course Content:**

IGCSE Music is about making and analysing music. It covers performing, composing and listening in a wide variety of musical styles – popular music, world music, and classical music. There are opportunities to perform live music, compose songs and gain an in-depth appreciation of differing musical cultures.

Candidates will focus on the study of music through exploring the following topics:

- Western classical and popular music from the Baroque, classical, romantic and modern periods
- World music from India, Africa, Indonesia, China, Latin America, Japan and the Middle East
- Set work (for examination in 2020: Mozart: Piano Concerto No.21, K. 467: Movement 1 or Rossini: William Tell Overture)
- Compositional techniques and devices
- Performance techniques
- Musical language and theory.

#### Course Assessment:

Internal Assessment	60%
Solo and Ensemble Performance	30%
Composition Music	30%
External Assessment	40%

The final assessment will take the form of one external examination.

The written examination will focus on listening and appraising skills.

#### What does the subject lead to in the IBDP Programme?

The course leads effectively into Music: Higher and Standard Level.

#### For further advice:

Contact the Head of Senior Music: ruth.collings@dulwich-shanghai.cn

## **Group 6: Physical Education**

#### **Entry Guidance:**

Candidates should consider the activity choices listed below and ideally be of a competent standard in at least two of the sports. Students should be involved in sport CCA's to support the practical element of the course.

#### **Course Aims:**

This course enables candidates to:

- Acquire a well-rounded and full introduction to the world of PE, sport and sport science by developing an understanding of how the mind and body works in relation to performance in physical activity
- Develop theoretical knowledge and understanding of the factors that underpin physical activity and sport and use this to improve performance
- Understand how the physiological and psychological state affects performance in sport
- Understand the contribution that physical activity and sport make to health, fitness and well-being
- Engage with key issues and themes relating to contemporary global influences on physical education and sport.

#### **Course Content:**

Theoretical content includes:

#### Fitness and Body Systems:

- Applied anatomy and physiology
- Movement analysis
- Physical training
- Use of data

#### Health and Performance:

- Health, fitness and well-being
- Sport psychology
- Socio-cultural influences

#### Practical content includes:

Candidates are assessed in three sports; one team activity, one individual activity and one free choice. Candidates will undertake a range of practical activities to develop advanced skills within the context of their chosen sports and demonstrate their abilities in increasingly challenging situations. Skills are assessed both in isolation as well as in a competitive or formal situation.

Candidates personalise the course content material by undertaking a 'Personal Exercise Programme' which will enhance their knowledge and understanding of the impact that exercise and physical activity has upon health and fitness.

#### Course Assessment:

Theory: 60%

Paper 1: Fitness and Body Systems 38% Paper 2: Health and Performance 24%

#### Practical: 30%

Choice of 3 activities – one individual, one team and one free choice from the options below:

Individual Activities: amateur boxing, athletics (field or track), gymnastics, skiing, snowboarding, swimming, trampolining

Team Activities: football, badminton, basketball, cricket, dance, netball, rugby, squash, table tennis, tennis, volleyball.

\*Badminton, dance, squash, table tennis and tennis are permitted as either individual or team, not both.

#### Personal Exercise Programme: 10%

Designing and conducting a 6-week training programme.

#### For further advice:

Contact Head of Senior School Physical Education: helen.mathews@dulwich-shanghai.cn





## DULWICH COLLEGE | SHANGHAI PUDONG | 上海德威外籍人员子女学校(浦东)