



Welcome to the IGCSE Programme
Senior School

DULWICH COLLEGE | SHANGHAI PUXI |

上海德威外籍人员子女学校（浦西）





providing a stage on which

to play a leading role

in you securing your future

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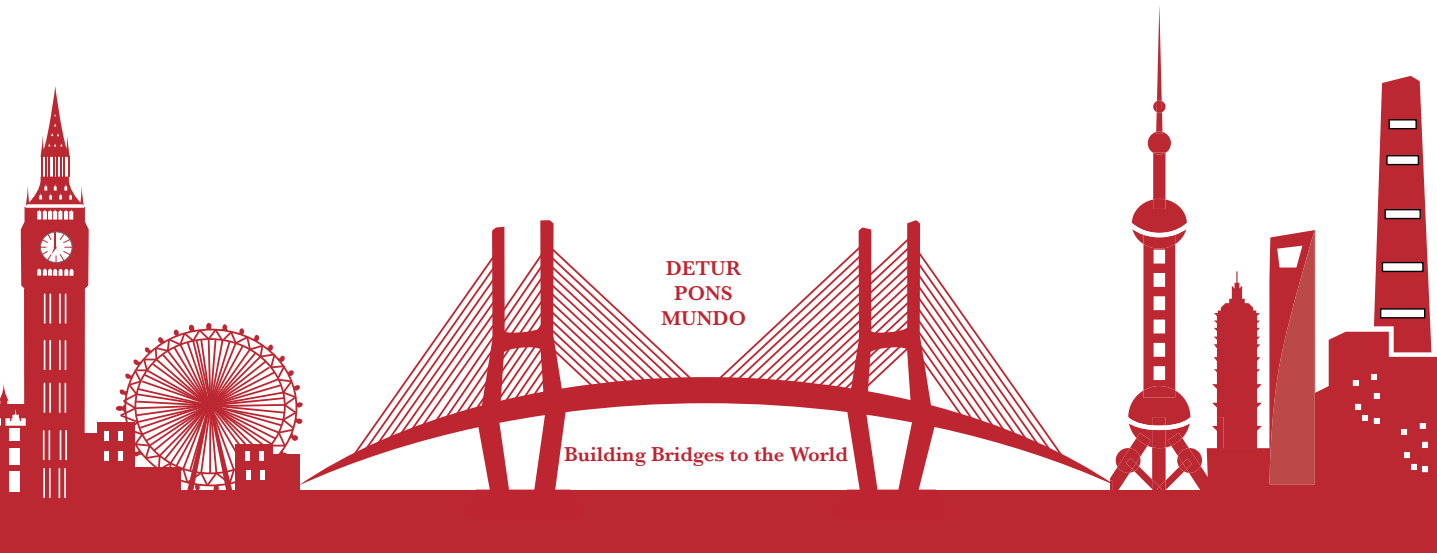
Graduate Worldwide

Aim High Work Hard
Be Kind and Respectful
Make a Difference

At Dulwich College Shanghai Puxi it is our collective goal to ensure that our students are bright, self-assured and confident young adults who have a keen grasp of what it means to be worldwide. We want students to be self motivated, to understand the importance of being accountable and to always show up.

In the Senior School we encourage our students to look outward, but lean in. We want our students to be naturally empathetic and adaptable, to seek to make connections with their community and surroundings. We will teach our students to become internationally minded, yet community oriented; and help them to understand and respect the importance of a supportive community for their own wellbeing.

It is our expectation that Dulwich students are kind and respectful, giving as much and more than they take. We want our children to make a difference in their communities, and have a strong ethos about using their privilege for good.



What is the IGCSE/GCSE Programme?

The Year 10 and 11 curriculum at Dulwich College Shanghai Puxi is based on the programmes offered by the Cambridge Assessment International Education and Edexcel, which offer IGCSE and GCSE subjects as an integral part of their international examination provision for many years. Furthermore, the IGCSE and GCSE qualification is recognised by academic institutions and employers around the world.

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.

Students will primarily be following IGCSE courses. In some subjects the students will follow GCSE courses, the UK based equivalent. These situations will be in a minority and where these courses have been selected, it is because 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 College Shanghai Puxi and as such, students do require a good level of competency in this area in order to fulfil their potential.

Assessment at IGCSE/GCSE

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.

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. All 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 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.

Examination Boards and Course Specifications



The following subject areas follow the IGCSE course set by Cambridge Assessment International Education:

- First Language Chinese
- Chinese as a Second Language
- Mandarin as a Foreign Language
- First Language English
- English as a Second Language
- Mathematics and Additional Mathematics
- Geography
- Spanish as a Foreign Language
- Business Studies
- Music
- Drama
- Physical Education



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

- Biology
- Chemistry
- Physics
- History
- Computer Science

The following subject area follows the GCSE course set by Edexcel:

- Fine Art

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 College Shanghai Puxi usually begins in Year 10 and is completed in the summer term of Year 11. In addition, within Mathematics, some students 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 8 I/GCSE subjects but some students may be allowed to take more at the school's discretion.

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.

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

The IGCSE Programme offers academic rigour balanced with strong aspects of IB Diploma characteristics. Throughout IGCSE course subjects students will be expected and challenged 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 I/GCSE Programme at Dulwich College Shanghai Puxi

Compulsory Subjects:

English

Students will be assigned to one of two pathways based on their prior learning. These are: English First Language and English Literature, or English as a Second Language.

Science

All students will undertake the Double Award in Science.

Mathematics

Students will be assigned to one of two 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); 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 Second Language Chinese Foreign Language Mandarin Foreign Language Spanish	Geography History Business Studies	Fine Art Drama Music Second Language Chinese Foreign Language Mandarin Foreign Language Spanish Business Studies Computer Science Geography History Physical Education

IMPORTANT

1. 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.
2. Wellbeing, Physical Education and the Cross Curricular Programme are compulsory for all students.

IGCSE/GCSE

Subject Information

IGCSE First Language English (0500)

Exam board: Cambridge Assessment International Education

"The English language is nobody's special property. It is the property of the imagination: it is the property of the language itself."

Derek Walcott

This course teaches students how to better understand what they read through the vital skills of paraphrasing and analysis. Students also learn how to respond creatively to texts, as well as how to create and edit persuasive, descriptive, and narrative texts.

Entry Guidance

First Language English speakers or students who have been studying in English academically for many years should take this subject.

Course Aims

This course will enable learners to:

- Develop the ability to communicate clearly, accurately and effectively when speaking and writing
- Learn how to use a wide range of vocabulary, and the correct grammar, spelling and punctuation
- Develop a personal style and an awareness of the audience being addressed.

Course Content

Learners read a broad range of texts across a range of text types (both literary and non-literary) in order to improve their understanding of themselves as readers and thinkers. They will also use texts as models for their own writing across various types of writing.

Assessment

EXTERNAL – 50%	Paper 1 (Reading) – includes three previously unseen texts
INTERNAL – 50%	Coursework 1: Persuasive Writing Coursework 2: Descriptive Writing Coursework 3: Narrative Writing Speaking and Listening – students prepare a 3-4 minute talk for the teacher on a topic of the student's choice, followed by a 7-8 minute question and answer session.

Internal Assessment

Oral tests and coursework are conducted internally 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 Standard Level and Higher Level English A courses alongside the completion of an English Literature course.

For further advice

Contact our Deputy Head of Senior School: kelly.king@dulwich-shanghaiminhang.cn

IGCSE English Literature (0475)

Exam board: Cambridge Assessment International Education

“A reader lives a thousand lives before he dies. The man who never reads lives only one.”

George RR Martin

This course teaches students how to read, appreciate and analyse a wide range of English literature (poetry, prose, drama). Students also spend considerable time working to develop analytical writing skills.

Entry Guidance

First Language English speakers or students who have been studying in English academically for many years should take this subject. All students planning to take English A at IBDP level should take this subject as all English A courses contain literary studies.



Course Aims

This course will enable learners to:

- Enjoy the experience of reading literature
- Understand and respond to literary texts in different forms and from different periods and cultures
- Communicate an informed personal response appropriately and effectively
- Appreciate different ways in which writers achieve their effects
- Experience literature’s contribution to aesthetic, imaginative and intellectual growth
- Explore the contribution of literature to an understanding of areas of human concern.

Course Content

Learners read a broad range of texts across three literary genres (poetry, prose, drama) in order to improve their understanding and appreciation of the ways that literature contributes to the world and to their lives. They will produce analytical writing both as coursework and under examination conditions.

Drama

- Romeo and Juliet by William Shakespeare

Poetry

- Songs of Ourselves Anthology

Prose

- Nineteen Eighty-Four by George Orwell
- Never Let Me Go by Kazuo Ishiguro
- The Handmaid’s Tale by Margaret Atwood

Assessment

EXTERNAL – 75%	Paper 1 (Prose/Poetry) – includes three previously unseen texts. Paper 3 (Drama)
COURSEWORK – 25%	Coursework 1: Essay Coursework 2: Essay

Internal Assessment

Coursework is conducted internally 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 Standard Level and Higher Level English Literature and, English Language and Literature.

For further advice

Contact our Deputy Head of Senior School: kelly.king@dulwich-shanghaiminhang.cn

IGCSE English as a Second Language (0511)

Exam board: Cambridge Assessment International Education

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

This course offers learners the opportunity to gain lifelong skills and knowledge including a better communicative ability in English; an improved ability to understand English in a range of everyday situations and in a variety of social registers and styles; a greater awareness of the nature of language and language-learning skills in a wider international perspective.

Entry Guidance

This course is for students who require support with language development and is an ideal course for those who are proficient in one language, and who need to develop their English proficiency.

Course Aims

This course will enable learners to:

- Develop learners’ ability to use English effectively for the purpose of practical communication
- Form a solid foundation for the skills required for further study or employment using English as the medium
- Develop learners’ awareness of the nature of language and language-learning skills
- Promote learners’ personal development.

Course Content

Learners will be presented with a variety of stimuli that will build up their skills in reading and writing. They will learn to select relevant details, understand the difference between what is directly stated and implied, and practise writing for different purposes and audiences. In addition, learners will listen to a range of spoken material, including talks and conversations, in order to develop listening skills and skills in responding to different situation and audiences with a degree of accuracy and clarity.

Assessment

EXTERNAL – 80%	Paper 1 (Listening) – 20% Paper 2 (Reading and writing) – 60%
INTERNAL – 20%	Speaking

Internal Assessment

Oral tests are conducted internally 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 IB English B Standard Level and Higher Level, or IB English A Standard Level.

For further advice

Contact the Senior School teacher: marina.prozesky@dulwich-shanghaiminhang.cn



IGCSE Chinese First Language (0509) | IGCSE 中文第一语言指南 (0509)

参加考试:剑桥国际普通中学教育文凭中文作为第一语言测试

“人生是树，母语是根。”
董宁

本课程针对剑桥国际普通中学教育文凭考试0509中文作为第一语言的学习者而设置。本课程重点在于培养学习者的创造力和批判性思维。学习者可以使用不同的文体进行写作，通过广泛的现代文及文言文阅读感受中文作为母语的美感。

选择指导

第一语言为中文并精通中文的学生可以选择该课程

课程目的

该课程除了培养学生的阅读与写作能力以外，还旨在提升学生的口语表达能力，创意思维能力，交际能力和解难能力。

教学内容

学生将有机会学习不同的文学作品，并学习分析文学作品的技巧。同时还将针对不同的读者进行写作训练。为了加深对中国传统文化的理解，学生还将学习文言文知识。同时有机会接触一些非文学文本，为未来的IB考试做铺垫。在该课程中，学生将有机会在不同的学习活动中综合提升中文水平，成为有一定鉴赏能力的读者和具有批判写作能力的作者。

评估方式

外部测试 – 100%	Paper 1 (阅读，定向写作及文言文) Paper 2 (写作)
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What does the subject lead to in the IBDP Programme?

The course leads effectively into Chinese A: Literature both Standard Level and Higher Level, Chinese A Language and Literature both Standard Level and Higher Level, and Chinese B Higher Level.

For further advice

Contact the Head of Department: amber.zhou@dulwich-shanghaiminhang.cn

IGCSE Chinese as a Second Language (0523)

Exam board: Cambridge Assessment International Education

“Knowledge of language is the doorway to wisdom.”
Roger Bacon

Entry Guidance

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

Course Aims

This course will enable learners to:

- Develop the ability to use Chinese effectively for the purpose of practical communication
- Form a sound foundation for the skills required for further study or employment using Chinese as the medium
- Develop an awareness of the natural use of language and language-learning skills
- Promote learners’ personal development.

Course Content

Learners 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 learners. Topics will focus on young people and education, society, the world and cultural diversity.

Assessment

EXTERNAL – 80%	Paper 1 (Reading and Writing) – 60% Paper 2 (Listening) – 20%
INTERNAL – 20%	Speaking

Internal Assessment

Oral tests are conducted internally 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 Chinese B Standard level and Higher level

For further advice

Contact the Head of Department: amber.zhou@dulwich-shanghaiminhang.cn

IGCSE Chinese as a Foreign Language (0547)

Exam board: Cambridge Assessment International Education

“Learning another language is not only learning different words for the same things, but learning another way to think about things. ”

Flora Lewis

Entry Guidance

The Foreign Language 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. This course is not for those who are native or second language Mandarin learners.

Course Aims

This course will enable learners to:

- Develop the language proficiency required to communicate effectively in Mandarin Chinese at level A2 (CEFR Basic User)
- Offer insights into the culture and society of countries and communities where Chinese 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 provide enjoyment and intellectual stimulation
- Develop transferable skills (e.g. 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 Chinese or another subject area.

Course Content

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

- Everyday activities: Time expressions; Food and drink; The human body and health; Travel and transport.
- Personal and social life: Self, family and friends; Home life; Colours; Clothes and accessories; Leisure time.
- The world around us: People and places; The natural world, the environment, the climate and the weather; Communications and technology; The built environment; Measurements.
- The world of work: Education; Work.
- The international world: Countries, nationalities and languages; Culture.

Assessment

EXTERNAL – 75%	Paper 1 (Listening) – 25% Paper 2 (Reading) – 25% Paper 4 (Writing) – 25%
INTERNAL – 25%	Speaking

Internal Assessment

Oral tests are conducted internally 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 Chinese Language B Standard Level or Chinese Ab Initio.

For further advice

Contact the Senior School Head of Department: amber.zhou@dulwich-shanghaiminhang.cn



IGCSE Spanish as a Foreign Language (0530)

Exam board: Cambridge Assessment International Education

“The limits of my language mean the limits of my world.”
Ludwig Wittgenstein

Spanish is one of the most widely spoken languages in the world – having the ability to communicate in the language will be key to accessing the global market. The rich and diverse history and culture of some of the 21 Spanish-speaking countries will also be explored. Fortunately, Spanish is considered one of the easier languages to learn.

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 will enable learners 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 using an additional language
- Discover insights into life and culture in Spanish-speaking countries.

Course Content

Learners 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; travel and transport
- Personal and social life: self, family and personal relationships; leisure time; in the home
- The world around us: people and places; natural and urban environment; communications and technology
- The world of work: education; careers and employment
- The international world: countries, nationalities and languages; culture, customs, faiths and celebrations.

Assessment

EXTERNAL – 75%	Paper 1 (Listening) – 25% Paper 2 (Reading) – 25% Paper 4 (Writing) – 25%
INTERNAL – 25%	Paper 3 (Speaking)

Internal Assessment

Oral tests are conducted internally 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 Standard Level Language B Spanish / Ab Initio

For further advice

Contact the Senior School teacher: madeline.barton@dulwich-shanghaiminhang.cn

IGCSE Geography (0460)

Exam board: Cambridge Assessment International Education

“The study of geography is about more than just memorizing places on a map. It’s about understanding the complexity of our world, appreciating the diversity of cultures that exists across continents. And in the end, it’s about using all that knowledge to help bridge divides and bring people together.”

Barack Obama

Geography will help you to be more aware of everyday situations and issues faced by the people who live around you, in other parts of China, and across the world. Geography is a highly topical subject, ever changing as world events unfold. When you see newspaper articles or television reports about a potential cataclysmic ‘supervolcanic’ eruption in the USA, then your Geography course will help you make sense of what is going on by making balanced judgements.

Entry Guidance

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

Course Aims

This course will enable learners:

- To understand the environment at local and global scales
- To know your world through fieldwork
- To make decisions that balance environmental and developmental concerns
- To develop a wide range of skills such as presenting arguments or map skills
- To use computers and other technology for analysis and presentation
- To understand other cultures in China and throughout the world
- To know where places in the world are ... without having to use Google!

Course Content

Theme 1: Population and settlement: (Overpopulation, Underpopulation, Migration)

Theme 2: The natural environment: (Earthquakes, Volcanoes, Coasts, Rivers, Weather, Climate and Vegetation)

Theme 3: Economic Development: (Tourism, Industry, Energy, Water, Food Production).

Assessment

EXTERNAL – 72.5%	Paper 1 (Geographical themes) – 45% Paper 2 (Geographical skills) – 27.5%
INTERNAL – 27.5%	Fieldwork based on Physical or Human Geography.

Internal Assessment

Fieldwork is conducted internally 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 Standard and Higher Level Geography.

For further advice

Contact the Senior School teacher: eamonn.king@dulwich-shanghai.cn



IGCSE History (4HI1)

Exam board: Pearson Edexcel

"A people without the knowledge of their past history, origin and culture is like a tree without roots."

Marcus Garvey

Entry Guidance

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

Course Aims

Students will gain a knowledge and an understanding of the key features and characteristics of historical periods; develop skills to analyse and evaluate historical interpretations in the context of historical events studied; develop skills to explain, analyse and make judgements about historical events and periods studied, using second-order historical concepts.

Course Content

This course focuses on 20th Century World History. Paper One includes: two Depth Studies where students study the roots and developments of dictatorship in Germany, and the divisions in American society focusing closely civil rights. Paper two includes: an historical investigation into life in the USA between 1918-1941, and the key events in Japan's political, economic and social transformation as a world power.

Assessment

EXTERNAL – 100%	Paper 1: Depth Study
	Germany: development of dictatorship, 1918–45
	A divided union: civil rights in the USA, 1945–74
	Paper 2: Investigation and Breadth Studies
	Historical Investigation: A4 The Vietnam Conflict, 1945–75
	Breadth Study: B2 Changes in medicine, c1848–c1948

What does the subject lead to in the IBDP Programme?

The course leads effectively into History at Standard Level and Higher Level at IB.

For further advice

Contact the Senior School teacher: kelly.king@dulwich-shanghaiminhang.cn

IGCSE Business Studies (0450)

Exam board: Cambridge Assessment International Education

“The first misconception is that it is possible to avoid influencing people’s choices.”
Richard H. Thaler

The combination of academic challenge and practical focus makes studying business highly appealing. We learn how humans are irrational and with that information, students explore theories and methods used by businesses and governments in influencing the behaviour of individuals in an economy. As Philip Kotler once said, “The art of marketing is largely the art of brand building. When something is not a brand, it will be probably be viewed as a commodity.”

This course provides a foundation to Finance and Accounting, Marketing and Business Administration which are listed in the top ten lucrative degrees.

Entry Guidance

You do not need any specific prior knowledge to study Business. However, we are looking for enthusiastic students who will enjoy learning to think critically by gaining insight into the exciting world of economics, leadership and management, recruitment, marketing, production, finance and accounting, and international trade.

Course Aims

This course aims to enable learners to:

- Apply your knowledge and critical understanding to current issues and problems in a wide range of business contexts
- Distinguish between facts and opinions, and evaluate qualitative and quantitative data in order to help build arguments and make informed judgements
- Appreciate the perspectives of a range of stakeholders in relation to the business environment, individuals, society, government and enterprise
- Develop knowledge and understanding of how the main types of businesses are organised, financed and operated, and how their relations with other organisations, consumers, employees, owners and society are regulated.

Course Content

- Understanding business activity
- People in business
- Marketing
- Operations management
- Financial information and decisions
- External influences on business activity.



Assessment

EXTERNAL – 100%	Paper 1 (Structured Data Response) – 50% Paper 2 (Case Study) – 50%
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What does the subject lead to in the IBDP Programme?

The course will provide a solid foundation to Business Management or Economics at both Standard and Higher Level.

For further advice

Contact the Senior School teacher: francine.hearn@dulwich-shanghaiminhang.cn



IGCSE Science Double Award (4SDO)

Exam board: Pearson Edexcel

“Science is a way of thinking much more than it is a body of knowledge.”
Carl Sagan

Science gives us the skills and knowlege to understand the world we live in. It allows us to make sense of our physical and natural surroundings both microscopic and macroscopic.

Entry Guidance

Learners will need to have undertaken a Science course in Years 7 to 9.

Course Aims

The course enables students to:

- Learn the patterns, themes and concepts across Biology, Chemistry and Physics
- Develop the practical skills to investigate concepts and how to plan effective investigations
- Analyse, interpret and evaluate data and experimental methods, drawing accurate conclusions where appropriate
- Present information logically and accurately
- Understand how to use key scientific conventions and organise knowledge in broader underlying principles
- Make links between seemingly abstract theory and the concrete real world examples, underlined by such theories
- Enjoy studying the natural world and the theories, and laws that underpin it.

Course Content

The content of the course is organised along the three disciplines:

- Biology: The nature and variety of living organisms; Structures and functions in living organisms; Reproduction and inheritance; Ecology and the environment; Use of biological resources
- Chemistry: Principles of chemistry; Inorganic chemistry; Physical chemistry; Organic chemistry
- Physics: Forces and motion; Electricity; Waves; Energy resources and energy transfers; Solids; liquids and gases; Magnetism and electromagnetism; Radioactivity and particles; Astrophysics.

In addition, students will learn about the Scientific method, data analysis and associated mathematical tools.

Assessment

EXTERNAL – 100%	Paper 1 (Biology) Paper 2 (Chemistry) Paper 3 (Physics)
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What does the subject lead to in the IBDP Programme?

The course leads effectively into Biology, Physics, Chemistry and Environmental Systems and Societies. These courses can be studied at both Standard and Higher level.

For further advice

Contact the Senior School teacher: rohan.amin@dulwich-shanghaiminhang.cn

IGCSE Mathematics (0580)

Exam board: Cambridge Assessment International Education

“Mathematics is pure language – the language of science. It is unique among languages in its ability to provide precise expression for every thought or concept that can be formulated in its terms.”

Alfred Adler

IGCSE Mathematics lays the foundations of knowledge and skills ready for application to the wider world. The Cambridge course is designed to embed algebraic thinking into problem solving and encourage the use of rigorous mathematical methods to solve large scale problems.

Entry Guidance

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

Course Aims

This course enables learners 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 of the following topics:

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

Assessment

EXTERNAL – 100%	Paper 1 (Short Answer Questions) – 35% Paper 2 (Structured Questions) – 65%
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What does the subject lead to in the IBDP Programme?

The Double Award course leads into Mathematics Standard Level or Higher Level. The standard IGCSE Extended course leads into Mathematics Standard Level.

For further advice

Contact the Senior School teacher: jonathan.haworth@dulwich-shanghaiminhang.cn

IGCSE Computer Science (4CP0)

Exam board: Pearson Edexcel

“Everybody should learn to program a computer, because it teaches you how to think.”

Steve Jobs

You should choose Computer Science if you like to solve problems, big or small. Of course, the bigger the problem you can solve, the greater the reward. Those who have (for example, Bill Gates, Jack Ma or Elon Musk) are also the richest people in the world.

Entry Guidance

Learners do not need any specific prior theoretical knowledge but should have had some exposure to coding. Additionally, a solid grasp of mathematical skills without the use of a calculator is highly recommended.

Course Aims

This course will enable learners to gain knowledge and an understanding of how computer systems function and how they affect our lives. Students will learn how a computer processes information using a combination of hardware and software. Most importantly, all students will learn algorithm design and problem-solving skills using logic and critical thinking. They will express their solutions using programming languages, including Python, SQL and the web-stack languages. Students are expected to produce small to intermediate sized projects to further their understanding of systems design, testing and implementation.

Course Content

This course is equally weighed in theoretical concepts and practical applications. In the former, concepts such as data representation, hardware, software, networking, communications, monitoring and control systems are included, along with emerging technologies such as artificial intelligence. The latter contains algorithm design and thinking, data structures, selection, iteration and the expression of solutions through coding.

Assessment

EXTERNAL – 100%	Paper 1 (Principles of Computer Science) – 50% Paper 2 (Application of Computational Thinking) – 50%
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What does the subject lead to in the IBDP Programme?

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

For further advice

Contact the Senior School teacher: tom.lee@dulwich-shanghaiminhang.cn



GCSE Fine Art (1FA0)

Exam board: Pearson Edexcel

“Creativity takes courage.”
Henri Matisse

Why Choose Fine Art:

- You enjoy it and are enthusiastic about it
- You enjoy being given the chance to work independently, developing your own way to express yourself creatively in a variety of media
- You are perhaps considering a career in the Creative Arts field.

Entry Guidance

It is recommended that students who wish to take this course should have studied Art throughout Years 7 to 9.

Course Aims

This course will enable learners to:

- Develop a working knowledge of the materials, practices and technology of art, craft and design
- Develop the skills to investigate, analyse and experiment using art, craft and design, and understand its place in history and society
- Develop your imagination and the skills to express your ideas, feelings and meanings
- Develop the ability to evaluate and refine, in order to take your ideas forward, and create an outcome.

Course Content

Throughout the course students will be introduced to the skills, techniques and processes required to succeed at GCSE. This will include developing and refining observational techniques, exploring and experimenting with different materials, and recording written annotations. There is a focus on contextual research and analysis, and the use of these investigations to inspire their own final outcome. Students will undertake a number of personal responses for coursework units, and an externally set task for their exam.

Assessment

Coursework	60%
Externally set exam unit	40%

Internal Assessment

Both the exam unit and coursework projects are conducted internally and prepared for external moderation by the examining board.

What does the subject lead to in the IBDP Programme?

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

For further advice

Contact the Senior School teacher: charlotte.sneath@dulwich-shanghaiminhang.cn

IGCSE Drama (0411)

Exam board: Cambridge Assessment International Education

"I regard the theatre as the greatest of all art forms, the most immediate way in which a human being can share with another, the sense of what it is to be a human being."
Oscar Wilde

In an increasingly competitive world, universities and employers are looking to recruit people with skills that you wouldn't necessarily find in a traditional classroom setting. Drama helps students to cultivate communication, collaboration, empathy, creativity, public speaking, confidence and self-management as well as a wide range of other skills that help them to grow into well rounded individuals.



Entry Guidance

Students with an interest in language, anthropology, theatre and performance. Please note, this course will run with a minimum of 3 learners.

Course Aims

This course will enable learners to:

- Develop understanding of drama through practical and theoretical study
- Understand the role of actor, director and designer in creating a piece of theatre
- Develop acting skills, both individually and in groups
- Develop their skills in devising original drama
- Communicate feelings and ideas to an audience
- Foster understanding of the performance process and to evaluate the various stages of that process
- Develop an understanding and enjoyment of drama.

Course Content

Drama is by its nature a practical subject. The course allows students to develop their performance skills within a theoretical framework. Practical work will develop both group and individual skills in relation to extended extracts from plays, other stimuli and dramatic work of the students' own devising.

Students will create and/or stage a drama and consider not just the function of actors but also that of designers, e.g. set, costume, lighting and sound, as well as the ways in which a director might approach the interpretation of the piece within the given performance space.

Assessment

EXTERNAL – 40%	Paper 1 (Written)
INTERNAL – 60%	One individual performance based on an extract from a play – 20% One group performance based on an extract from a play – 20% One group performance based on an original devised piece – 20%

Internal Assessment

Performances are conducted internally 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 Standard Level and Higher Level Theatre.

For further advice

Contact the Senior School teacher: jessica.ivey@dulwich-shanghaiminhang.cn

IGCSE Music (0978)

Exam board: Cambridge Assessment International Education

“Music gives a soul to the universe, wings to the mind, flight to the imagination and life to everything.”

Plato

Entry Guidance

Learners 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 learners to acquire and consolidate a range of basic musical skills, knowledge and understanding, through the activities of analysis, performing and composing. Learners will:

- 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.

Learners 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 works (for examination in 2021 Wolfgang Amadeus Mozart Piano Concerto no. 21 in C major, K467 or Mendelssohn, Calm Sea and Prosperous Voyage, Op. 27)
- Compositional techniques and devices
- Performance techniques
- Musical language and theory.



Assessment

EXTERNAL – 40%	Paper 1 (Written – listening and appraising) – 40%
INTERNAL – 60%	Solo and Ensemble Performance – 30% Composition Music – 30%

Internal Assessment

Coursework and performances are conducted internally 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 Standard Level and Higher Level Music.

For further advice

Contact the Senior School teacher: jonathan.haslett@dulwich-shanghaiminhang.cn

IGCSE Physical Education (0413)

Exam board: Cambridge Assessment International Education

“There is only one way to succeed in anything and that is to give it everything.”
Vince Lombardi

The study of Physical Education leads to a wider, in depth knowledge of health, anatomy and physiology, sport psychology, training and social influences in sport. The course covers both theory and practical elements where you can experience your learning through experience.



Entry Guidance

Learners should be able to perform in four chosen activities practically and show an interest in sport and physical education. Students should be involved in sport CCAs to support the practical element of the course.

Course Aims

This course will enable learners to:

- Develop their knowledge and understanding of the theory underpinning physical performance in a modern world
- Use and apply this knowledge and understanding to improve their performance
- Perform in a range of physical activities, developing skills and techniques, and selecting and using tactics, strategies and/or compositional ideas
- Understand and appreciate safe practice in physical activity and sport
- Understand and appreciate the benefit of physical activity and sport for health, fitness and well-being
- Gain a sound basis for further study in the field of Physical Education.

Course Content

- Anatomy and physiology – Skeletal and muscular system, respiratory system, circulatory system, energy supply and the effects of exercise on the body
- Health, fitness and training – Health, fitness and wellbeing, diet and energy sources, fitness testing, methods and principles of training
- Skill acquisition and psychology – Skill and ability, information processing, stages of learning, feedback and guidance, goal setting, anxiety, motivation, relaxation, personality types
- Social, cultural and ethical influences – Leisure and recreation, sport development, sponsorship, media, professional and amateur performance, technology, factors affecting participation, sport enhancing drugs, risk, sportsmanship, gamesmanship and injuries.

Assessment

EXTERNAL – 50%	Paper 1 (Theory) – 50%
INTERNAL – 50%	4 chosen sports– 50%

Internal Assessment

Practicals are conducted internally 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 Sport, Exercise and Health Science into Standard Level and Higher Level.

For further advice

Contact the Senior School teacher: grace.stewart@dulwich-shanghaiminhang.cn



DULWICH COLLEGE

| SHANGHAI PUXI |

上海德威外籍人员子女学校（浦西）

2000 Qianpujing Road, Minhang, Shanghai, 201111

<https://shanghai-puxi.dulwich.org/>