



Bilingual Department
Nanjing Hankai Academy
Jiangsu, China



IGCSE OPTIONS 2020-2021

HKA双语部2020-2021学年IGCSE选科指导手册



南京漢開書院
Nanjing Hankai Academy

IGCSE CURRICULUM OF HKA BILINGUAL HKA双语部IGCSE 阶段课程

Good education infiltrates into every aspect of the curriculum, which matters in terms of personal development and future career prospects. Considering this, some subjects are compulsory.

良好的全面教育体现在课程的方方面面，这对学生的个人发展和未来职业规划是很重要的。鉴于这一点，IGCSE阶段（以下简称IG）的一些科目建议必修。

The table below indicates these compulsory subjects during IGCSE period:

下表列出了IGCSE阶段的必修科目：

Compulsory courses 必修学科	Assessment criteria 评估标准/方式
English 英语	IGCSE Examination in Year 9 9年级参加IG统考
Mathematics 数学	IGCSE Examination in year 9 9年级参加IG统考
Physics 物理	IGCSE Examination in Year 10 10年级参加IG统考
Chinese 语文	IGCSE Examination in Year 10 10年级参加IG统考
Physical Education 通识体育	Exam-free 无需参加IG统考
Physical and Mental Wellness 身心健康	Exam-free 无需参加IG统考
Careers Guidance 升学指导	Exam-free 无需参加IG统考

In addition to the core subjects, students are required to study an additional subject arranged by the Directors of the Bilingual department and Heads of IGCSE.

除核心必修课程外，双语部主任及IGCSE课程负责人还会为学生安排一门课程。

Optionals 学校分配的选修课	Who will study the subject? 适合哪些学生选修?
English for Academic Purposes EAP英语补充课程	Students who need further English learning IG Exam-Free 需要更多英语课时的学生（无需参加IG统考）
Additional Mathematics 加数	Students good at both English and Mathematics IG Exam in Year 10 英语和数学都较强的学生（10年级参加IG统考）



WHAT COURSES DO I WANT?

选修哪些科目 (1)

For the 2020, IGCSE cohort we will have two streams. Students **must** choose either a Science stream or Humanities stream.

2020年开始，IGCSE学生将分层为人文科、理工科，学生从中二选一。

Science Stream 理工科		Humanities Stream 人文科	
Chemistry 化学	IGCSE Examination in Year 10 十年级参加IG统考	Economics 经济	IGCSE Examination in Year 10 十年级参加IG统考
Computer Science 计算机	NCC Examination in Year 9 九年参加NCC统考 IGCSE Examination in Year 10 十年级参加IG统考	Global Perspectives 全球视野	IGCSE Examination in Year 10 Coursework continuously assessed 十年级参加IG统考 期间进行多元化持续评估

In order to provide an all-round education that not only develops the child academically but shapes the character of the child, we require students to decide on a creative arts subject. Students choose **one** Creative Arts subject from Art, Music and Drama. Each will be assessed according to IGCSE criteria.

为了提供全面的教育，我们既要发展孩子的学术素养，又要塑造孩子的性格。我们要求学生选择艺术、音乐或戏剧中的一门，所选的每门课程都会按照IGCSE的标准进行测评。

Creative Arts Courses 艺术类课程		
Art & Design 艺术与设计	Music 音乐	Drama 戏剧
IGCSE Examination in Year 10 Coursework continuously assessed 十年级参加IG统考 期间进行多元化持续评估	IGCSE Examination in Year 10 Coursework continuously assessed 十年级参加IG统考 期间进行多元化持续评估	IGCSE Examination in Year 10 Coursework continuously assessed 十年级参加IG统考 期间进行多元化持续评估



WHAT COURSES DO I WANT? 选修哪些科目 (2)

Additional subjects are available for those students who are academically strong enough to learn. Please consider carefully the advice from the school on whether your child is suitable for additional subjects. Those who will not study these subjects will receive extra Mathematics and English classes.

如果学生有足够的精力来学习其他的科目，学校将提供更多的选修课可供选择。请在选课时充分考虑学校的建议，为您的孩子选择合适的课程。那些不学习额外选修学科的孩子将在原有课表基础上增设数学和英语课。

Options 其它选修学科 (for academically strong students 为学业卓越的学生提供)	
Spanish 西班牙语	Business 商业
IGCSE Examination in Year 10 十年级参加IG统考	IGCSE Examination in Year 10 十年级参加IG统考

Biology and Physical Education are available during IGCSE period. If your child is willing to study these subjects, they can make a request. However, the bar is high for the intended applicants. The course will not open to the students unless they are competent to manage it. Currently, these subjects are taught in the form of tutorials.

在IGCSE学段，学校还会提供生物和体育课程。如果你的孩子想学习这些课程，他们可以向学校提出申请。因为这两个学科的考试标准不低，学生需要达到标准申请方可通过。目前，这些课程都是以常规课表以外的个性辅导形式进行的。

Please complete the Year 9 IGCSE Subject Preferences Form by 28th June 2020.

请在2020年6月28日前完成九年级IGCSE选课意向表。



Course Samples 选科案例分享

Compulsory courses 必修学科
English 英语
Mathematics 数学
Physics 物理
Chinese 语文
Physical Education 通识体育
Physical and Mental Wellness 身心健康
Careers Guidance 升学指导

Science Stream 理工科	Humanities Stream 人文科
Chemistry 化学	Economics 经济
Computer Science 计算机	Global Perspectives 全球视野

Optionals from school 学校分配的选修课	
English for Academic Purposes EAP英语补充课程	Additional Mathematics 加数

Creative Arts Courses 艺术类课程		
Art & Design 艺术与设计	Music 音乐	Drama 戏剧

Options 其它选修学科 (for academically strong students 为学业卓越的学生提供)	
Spanish 西班牙语	Business 商业

Name 姓名	Brief Introduction 简介	Subjects Chosen 选课
Lorena	Good at both English and Math, fall in love with science, strong enough to learn English well, Math well, love science, study with ease	Compulsory courses 必修学科 + Science Stream 理工科 (Chem化学/CS 计算机) + Optionals from school 学校分配选修 (Add math加数) + Creative Arts 艺术类课程 (Drama戏剧) + Options 其他选修 (Business商业)
Jack	Good Math struggled English, interest in science 数学优, 英语中等, 爱好理科方向	Compulsory courses 必修学科 + Science Stream 理工科 (Chem化学/CS 计算机) + Optionals from school 学校分配选修 (EAP英语学业补充) + Creative Arts 艺术类课程 (Drama戏剧)
Chris	Good English struggled Math, fall in love with humanities, good at singing and language 英语优, 数学中等, 喜欢人文、唱歌, 语言学习能力强	Compulsory courses 必修学科 + Humanities Stream 人文科 (Eco经济/GP全球视野) + Optionals from school 学校分配选修 (Add math加数) + Creative Arts 艺术类课程 (Music音乐) + Options 其他选修 (Spanish 西班牙语)
Rony	struggled English and Math, interest in humanities 英语中等, 数学中等, 喜欢人文方向	Compulsory courses 必修学科 + Humanities Stream 人文科 (Eco经济/GP全球视野) + Optionals from school 学校分配选修 (EAP英语学业补充) + Creative Arts 艺术类课程 (Art&Design 艺术与设计)



What is English for Academic Purposes (EAP)?

EAP英语补充课程介绍

EAP Mission Statement

The mission of the English for Academic Purposes (EAP) program is to equip our students with the language, critical thinking, cultural and college success skills necessary to successfully achieve their full academic and career potential(s). This will be accomplished by providing reading, writing, speaking, grammar and student life skills to English Language Learners (ELLs). Our aim is to facilitate the smooth transition from EAP coursework to degree programs.

EAP英语补充课程的使命是为我们的学生提供必要的语言、批判性思维、文化和大学成功技能，以成功地实现他们的全部学术和职业潜力。通过向英语学习者提供读、写、说、语法和学生生活技能来实现。我们的目标是促进EAP课程顺利过渡到学位课程。

Program Description

The program consist of courses in: EAP课程包含如下科目：

- | | |
|------------------------|-------|
| 1. Reading/vocabulary | 阅读/词汇 |
| 2. Writing/composition | 写作/成分 |
| 3. Speaking/listening | 口语/听力 |
| 4. Structure/grammar | 结构/语法 |

In Checkpoint, Subject teachers and specialists to provide extra language input. The members of staff learn through a variety of language activities, such as storytelling and language games.

在7、8年级低段，学科老师与和合作教师一起提供额外的英语课程。学生通过一系列的语言活动学习（如讲故事和语言游戏）进行语言习得。

In IGCSE, the focus is on building pupils' confidence in their English language skills and understanding, whilst also supporting their work in other academic subjects.

在9、10年级中段，学习重点在于建立英语语言技能和理解，以支持学生在其他学科中的学习

EAP in high school develops pupils' English language for life. While the Year 11 course focuses on the International English Language Testing System (IELTS), the Year 12 pupils receive guidance on preparing their personal statement, university essay writing and university interview.

高中阶段的EAP主要学习生活中的英语，11年级的课程主要是针对国际英语测试（雅思），12年级的学生主要学习准备个人陈述、大学论文和大学面试等方面。

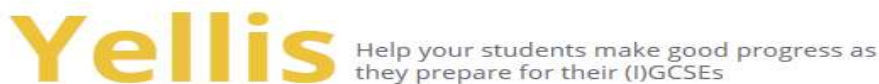


HOW TO CHOOSE YOUR IGCSE SUBJECTS?

如何选择IG课程

Students should take their IGCSE subjects very seriously. Taking into consideration their future occupational planning, admission requirements for their academic background, school reports, advice for teachers and subject interest, the Yellis exam aims to deliver useful information concerning those aspects.

学生应该慎重仔细地选择他们的IGCSE科目。Yellis测试涉及学生希望从事的职业道路，大学申请的学术门槛，学校报告，老师的建议，学科兴趣。该测试就这些层面能够为学校和孩子提供不少有用的信息。



What is Yellis?

Yellis is a diagnostic exam that assesses your current academic ability. Yellis uses an algorithm that compares you with other students who have been taking the test over the past twenty years and results they achieved. It will then provide a predictive grade for all available IGCSE subjects.

Yellis是一种诊断性考试，评估你目前的学术能力。Yellis使用一种算法，将你和过去二十年来一直参加考试的其他学生进行比较，看看他们的成绩。然后，它将为所有开设的IGCSE科目提供一个预测性评分。

On the 8th July 2020 an IGCSE suitability session will be arranged. During this time students and parents can talk to teachers about their academic performance. Additionally, the heads of Checkpoint and IGCSE will provide reasonable suggestions for the students according to their academic Yellis results.

2020年7月8日将针对选课安排一对一家长会。在这段时间里，学生和家长可以和老师谈论他们之前在课程上的学习情况。此外，Checkpoint和IGCSE学段负责人将通过学生的学习成绩和Yellis的结果提供正确的学习建议。



TIPS FOR IGCSE SUBJECT OPTION

IGCSE学科选择的建议

Tips and tricks:

1. Do not choose a subject that is just chosen by your friends or taught by your favorite teacher.
2. Do not avoid choosing a subject because of voluminous homework before as all IGCSE subjects involve more homework than that in Year 8.
3. Discuss your choice with your form tutor and subject teachers who can give you some guidance.
4. Think twice about:
 - Where do my strengths and weaknesses lie?
 - What subjects do my teachers recommend me to take? What skills may I need for certain subject?
 - What subjects particularly interest me?
5. Ask yourself - what is your plan for your future career?
6. Discuss your choice carefully with your parents.
7. Remember that some subjects can still be taken at A level although it is not learnt during IGCSE. However, you are advised to do this subject at IGCSE for the sake of a solid foundation. Ask your subject teacher for advise.

如何选择IG课程，建议学生：

1. 不要仅仅因为你的朋友选择了某个学科，或者因为你喜欢的老师教授这门课。
2. 不要因为某一科目之前布置的作业多就逃避选择它，所有IGCSE科目的家庭作业都会比八年级多。
3. 与你的班主任和学科老师讨论你的选择，他们可以给你选课指导。
4. 仔细思考下：
 - 我的优势和劣势在哪里？
 - 我的老师推荐我修哪些课程？我需要具备的学科技能有哪些？
 - 我对哪些科目特别感兴趣？
5. 问问你自己——目前我对未来的职业有什么想法？
6. 和父母好好讨论下你的选择。
7. 请记住，有些课程是A level阶段依然可以选择的，但是我们建议你在IGCSE阶段就涵盖这门课的学习，从而为你后期的学习打下基础，保证学习的连贯性。这点需要考虑下学科老师的意见。



EXAMINATION PLANS 统考安排

In order to offer a curriculum of high quality that can prepare our students for the competition throughout the world, we require students to take their English and Math IGCSE exam one year in advance. This will allow students to free up more time that can be spent on their other subjects.

为了提供高标准的课程，让我们的学生具备全球竞争力，我们要求学生提前一年参加英语和数学IGCSE考试。通过考试可以使学生在10年级时为其他科目投入更多的学习时间。

Subjects 学科	Examination Dates 考试时间
English 英语	2021年5-6月
Mathematics 数学	2021年5-6月
Chinese 语文	2022年5-6月
Physics 物理	2022年5-6月
Global Perspectives 全球视野	2022年 (Coursework components due in 2021) 部分考核材料要求2021年提交
Economics 经济	2022年5-6月
Computer Science 计算机科学	2022 (NCC Examination in 2021)
Chemistry 化学	2022年5-6月
Music 音乐	2022年 (Coursework components due in 2021) 部分考核材料要求2021年提交
Art & Design 艺术与设计	2022年 (Coursework components due in 2021) 部分考核材料要求2021年提交
Spanish 西班牙语	2022年5-6月
Business 商业	2022年5-6月
Additional Mathematics 加数	2022年5-6月
Biology 生物	2022年5-6月
Physical Education 体育	2022年5-6月
Drama 戏剧	2022年5-6月



Timetable Sample 样板课表

The IGCSE schedule samples for each stream are as follows. Please remember that the September timetable is different from these below. We will make some adjustments to ensure small-class teaching when students decide on their streamed class.

下面是理工科、人文科IGCSE课表样板。9月份的课表安排会稍有微调。一旦选择某一学科人数超出预期，学校会相应做出些调整以确保小班教学。

Science Stream Sample Timetable 理工样板课表							
时 间—课 程—星 期			星期一	星期二	星期三	星期四	星期五
上午	第1节	8:00-8:40B	Computer science 计算机	English 英语	Computer science 计算机	English 英语	Computer science 计算机
	第2节	8:50-9:30B	Creative Art Subject 艺术创作	Maths 数学	Creative Art Subject 艺术创作	Maths 数学	Creative Art Subject 艺术创作
	9: 30-10: 00						
	第3节	10:00-10:40B	PE 体育	Chinese 语文	PE 体育	Chinese 语文	PE 体育
	第4节	10:55-11:55C	Chemistry 化学	Physics 物理	Chemistry 化学	Physics 物理	ASDAN 阿斯丹课程
下午	第5节	13:30-14:10B	English 英语	Computer science 计算机	English 英语	Computer science 计算机	English 英语
	第6节	14:20-15:00B	Maths 数学	Optional Subject 选修课	Maths 数学	Optional Subject 选修课	Maths 数学
	第7节	15:10-15:50B	Chinese 语文	EPA/Add Maths 加数	Chinese 语文	EPA/Add Maths 加数	
	15:50-16:20						
	第8节	16:20-17:20C	Physics 物理	Chemistry 化学	Physics 物理	Chemistry 化学	
Humanities Stream Sample Timetable 人文样板课表							
时 间—课 程—星 期			星期一	星期二	星期三	星期四	星期五
上午	第1节	8:00-8:40B	Global perspectives 全球视野	English 英语	Global perspectives 全球视野	English 英语	Global perspectives 全球视野
	第2节	8:50-9:30B	Creative Art Subject 艺术创作	Maths 数学	Creative Art Subject 艺术创作	Maths 数学	Creative Art Subject 艺术创作
	9: 30-10: 00						
	第3节	10:00-10:40B	PE 体育	Chinese 语文	PE 体育	Chinese 语文	PE 体育
	第4节	10:55-11:55C	Economics 经济	Physics 物理	Economics 经济	Physics 物理	ASDAN 阿斯丹课程
下午	第5节	13:30-14:10B	English 英语	Global perspectives 全球视野	English 英语	Global perspectives 全球视野	English 英语
	第6节	14:20-15:00B	Maths 数学	Optional Subject 选修课	Maths 数学	Optional Subject 选修课	Maths 数学
	第7节	15:10-15:50B	Chinese 语文	EPA/Add Maths 加数	Chinese 语文	EPA/Add Maths 加数	
	15:50-16:20						
	第8节	16:20-17:20C	Physics 物理	Economics 经济	Physics 物理	Economics 经济	



Bilingual Department of Hankai Academy

IGCSE OPTIONS

HKA双语部IGCSE学段供选学科

Year 9-10 IGCSE Options

Chinese as a First Language

Mathematics

Additional Mathematics

English as a Second Language

Physics

Spanish as a Foreign Language

Computer Science

Chemistry

Biology

Business Studies

Economics

Art & Design

Drama

Global Perspectives

Music

Physical Education

9-10 年级 IGCSE 的课程选择

语文

数学

加数

英语

物理

西班牙语

计算机

化学

生物

商业

经济

艺术与设计

戏剧

全球视野

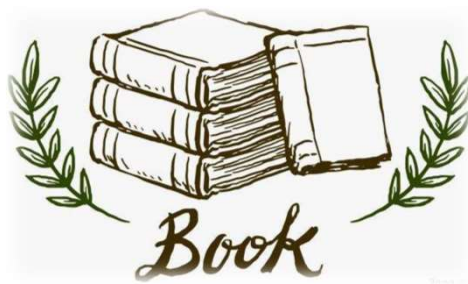
音乐

体育



Chinese

as a First Language



Course Aims 课程目标

The syllabus is designed for students whose mother tongue is Chinese. It allows students to develop the ability to communicate clearly, accurately and effectively when writing and to use a wide range of vocabulary, correct grammar, character formation and punctuation. It also enables students to develop a personal style and an awareness of the audience. Learners are encouraged to read widely, including classical texts, both for their own enjoyment and to further their awareness of the ways in which Chinese can be used.

本课程为母语是汉语的学生设计。培养学生在写作时清晰、准确有效的交流能力，并能运用广泛的词汇和正确的语法、字符结构和标点符号；还培养学生个人风格和对听众的意识。鼓励学生广泛阅读，包括古典文学，即有助于趣味阅读，也为了进一步了解汉语的使用方法。

What you will study 课程内容

All students will study two textbooks of Chinese language and literature published by China's people's education press and a selection of modern Chinese novels.

所有学生将学习两本《汉语言文学》教材和中国现代小说选集（中国人民教育出版社）

What you will learn 课程收获

- To read a wide range of texts, fluently and with good understanding, enjoying and appreciating a variety of language
- To read critically and use knowledge gained from wide reading to inform and improve your writing
- To write accurately and effectively using appropriate standard language
- To work with information and ideas in Chinese by developing skills of critical evaluation, analysis, synthesis and inference
- To acquire and apply a wide vocabulary, alongside a knowledge and understanding of grammatical terminology and linguistic conventions
- To deepen understanding and appreciation of Chinese culture and classical texts.

流利阅读书本，理解并欣赏语言

批判性阅读，并利用广泛阅读所学知识来提高写作能力

使用规范的语言准确有效的写作

通过培养批判性评价、分析和推理的技能，提升用中文处理信息和思想的能力

掌握和应用广泛的词汇，以及对语法术语和语言惯例的知识和理解

加深对中国文化和古典文本的理解和欣赏



The Facts

SUBJECT TITLE 课程名称	CHINESE AS A FIRST LANGUAGE 语文
LEVEL 等级	IGCSE
EXAM BOARD 考试委员会	Cambridge International Examinations 剑桥考试中心
TIME ALLOCATION 课时分配	4 lessons per week for two years, flexibility is allowed 每周4节课，2年时间，允许根据实际情况进行调整
ASSESSMENT 评估标准	Paper 1: Reading, directed writing and Classical Chinese 50% Paper 2: Writing 50% 卷1-阅读/定向写作/文言文 50%；卷2-自由写作 50%
ACCESS TO GRADES 成绩	A*/A/B/C/D/E/F/G

Further study and future careers 面向未来

Cambridge IGCSE First Language Chinese qualification is accepted by universities and employers as proof of knowledge and understanding of a language

Candidates who are awarded grades A* to C in this course are well prepared to follow courses leading to Cambridge international AS and A Level Chinese, or the equivalent.

IGCSE 语文是被大学认可的，作为语言知识和理解的证明

本课程取得A*-C等级的学生，可修读剑桥国际AS及A Level中文或同等水平的课程。



Mathematics



Course Aims 课程目标

On the IGCSE Maths course students will develop their mathematical knowledge and oral, written and practical skills in a way that encourage confidence and provides satisfaction and enjoyment. Students will read mathematics, and write and talk about the subject in a variety of ways, and develop a feel for number, carry out calculation and understand the significance of the result obtained. They will develop an understanding of mathematical principles alongside the ability to reason logically, to classify, to generalize and to prove.

在IGCSE数学课程上，将以鼓励自信、提供满足和享受的方式发展学生的数学知识、口头和书面表达能力、实践技能。学生将阅读数学，并通过各种方式进行写作和讨论，培养对数字的感觉，进行计算并理解所得到结果的意义。他们将发展对数学原理的理解以及逻辑推理、分类、概括和证明的能力。

What you will study 课程内容

- 6 units, 24 topics

6个单元，24个课题

What you will learn 课程收获

- To apply mathematics in everyday situations and develop an understanding of the part which mathematics plays in the world around them
- To solve the problem, present the solutions clearly, check and interpret the results
- To recognize when and how the situation may be represented mathematically, identify and interpret relevant factors and , where necessary, select an appropriate mathematical methods to solve the problem
- To use mathematics as a means of communication with emphasis on the use of clear expression
- To develop an ability to apply mathematics in other subjects, particularly science and technology
- To appreciate patterns and relationships in mathematics
- To produce and appreciate imaginative and creative work arising from mathematical ideas
- 在日常中运用数学，培养意识认识到数学在世界中扮演的角色
- 解决问题，清晰的展示解决方案，检查并解释结果
- 认识到何时以及用怎样的方式来用数学来表示情况，识别并解释相关因素，必要时选择适当的数学方法来解决
- 培养数学在其他科目运用的能力，尤其是科学和技术
- 欣赏数学中的模式和关系
- 创作和欣赏由数学思想产生的富有想象力和创造性的作品



The Facts

SUBJECT TITLE 课程名称	MATHEMATICS 数学
LEVEL 等级	IGCSE
EXAM BOARD 考试委员会	Cambridge International Examinations 剑桥考试中心
TIME ALLOCATION 课时分配	6 lessons per week for two years, flexibility is allowed 每周6节课，2年时间，允许根据实际情况进行调整
ASSESSMENT 评估标准	100% Written Examination 百分百笔试
ACCESS TO GRADES 成绩	Core : C/D/E/F/G Extended : A*/A/B/C/D/E

Further study and future careers 面向未来

The course leads into A-level mathematics or the equivalent.

A satisfactory pass (Grade C) in this subject is expected in most careers and for entry into higher education.

This subject is essential for careers in Engineering, Science, in particular Physics and Finance. Careers in Civil Engineering, Theoretical Physics, and Economics are just a few of those that require mathematics learning to a high standard.

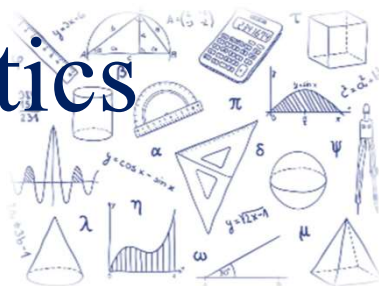
这门课将引领学生进入A level或同等课程的学习

在大多数职业和高等教育中，这门课的合格线是C

这门课对于工程、科学（尤其是物理和金融）是必选科目，土木工程、理论物理学和经济学等这些职业对数学的要求较高



Additional Mathematics



Course Aims 课程目标

Additional mathematics aims to consolidate and extend elementary mathematical skills, and use these in the context of more advanced techniques. Students will further develop their knowledge of mathematical concepts and principles, and use this knowledge for problem solving. They will gain confidence and apply their mathematical skills and knowledge in appreciate situations in preparation for further study.

加数旨在巩固和拓展基本数学技能，并在更高级的技术中使用这些技能。学生将进一步发展他们的数学概念和原理知识，并利用这些知识来解决问题。他们将获得信心，并将他们的数学知识和技能应用于鉴赏，为进一步的学习做准备。

What you will study 课程内容

- 16 topics

16个课题

What you will learn 课程收获

- To devise mathematical arguments and use and present them precisely and logically
- Appreciate the interconnectedness of mathematical knowledge
- Acquire a suitable foundation in mathematics for further study in the subject or in mathematics related subjects
- Integrate information technology(IT) to enhance the mathematical experience
- To develop creativity and perseverance in the approach to problem solving
- To derive enjoyment and satisfaction from engaging in mathematical pursuits, and gain an appreciation of the beauty, power and usefulness of mathematics.
- 设计数学论点，并精确、有逻辑的运用和表达
- 欣赏数学知识之间的相互关系
- 取得适当的数学基础，以便进一步学习该学科或数学相关学科
- 整合资讯科技，提升数学体验
- 培养解决问题的创造力和毅力
- 从数学追求中获得乐趣和满足，欣赏数学的美、力量 and 有用性



The Facts

SUBJECT TITLE 课程名称	ADDITIONAL MATHEMATICS 加数
LEVEL 等级	IGCSE
EXAM BOARD 考试委员会	Cambridge International Examinations 剑桥考试中心
TIME ALLOCATION 课时分配	6 lessons per week for one year, flexibility is allowed 每周6节课, 1年时间, 允许根据实际情况进行调整
ASSESSMENT 评估标准	100% Written Examination 百分百笔试
ACCESS TO GRADES 成绩	A*/A/B/C/D/E/F/G

Further study and future careers 面向未来

The course leads into A-level mathematics or the equivalent. It covers some aspects of A-level mathematics making the transition much easier.

This subject is essential for careers in Engineering, Science in particular Physics and Finance. Careers in Civil Engineering, Theoretical Physics, and Economics are just a few of those that require mathematics learning to a high standard.

这门课程将引导学生学习A level数学或同等课程, 它涵盖了A level数学的一部分, 使转换更容易

这门课对于工程、科学(尤其是物理和金融)是必选科目, 土木工程、理论物理学和经济学等这些职业对数学的要求较高





In English as a Second language students will develop an ability to use English effectively for the purpose of practical communication, forming a solid foundation for the skills required for further study, or employment, where English as a medium is required. Students will also develop an awareness of the nature of language and language-learning skills that can promote their own personal development

What you will study 课程内容

- Reading 读
- Listening 听
- Writing 写
- Speaking 说

- Reading: identify and select facts and details; recognize and understand ideas, opinions and attitudes and the connections between related ideas; understand what is implied but not actually written.
- Writing: communicate clearly and effectively in written form expressing ideas and opinions; use grammar correctly; understand and use a range of vocabulary; use appropriate punctuation, spelling and paragraphing; use appropriate register
- Listening: identify, retrieve and select details; recognize opinion; understand when something is implied
- Speaking: communicate clearly expression opinions; use and control correct grammar; demonstrate a knowledge of a range of vocabulary; engage in conversations
- 阅读:识别并选择事实和细节;认识和理解想法、观点和态度以及相关想法之间的联系;理解什么是隐含的,但没有明确写出的。
- 写作:以书面形式清晰有效地表达想法和意见;正确使用语法;理解和使用广泛的词汇;使用适当的标点符号、拼写和分段;使用适当的文体文风
- 听力:识别、检索和选择细节;辨认观点;理解暗含的语气
- 口语:清晰地沟通,表达观点;使用正确的语法;掌握一定的词汇量;正常进行沟通

The Facts

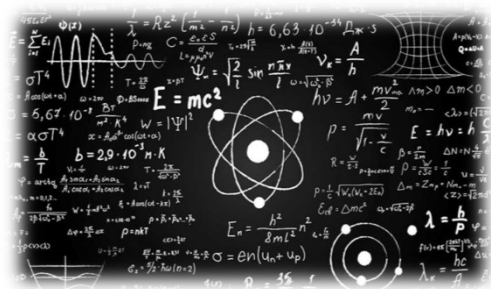
SUBJECT TITLE 课程名称	ENGLISH AS A SECOND LANGUAGE 英语
LEVEL 等级	IGCSE
EXAM BOARD 考试委员会	Cambridge International Examinations 剑桥考试中心
TIME ALLOCATION 课时分配	6 lessons per week for two years, flexibility is allowed 每周6节课，2年时间，允许根据实际情况进行调整
ASSESSMENT 评估标准	Reading, Writing, Listening—Written examination Speaking—oral examination 阅读、写作、听力—书面测试；口语—口头测试
ACCESS TO GRADES 成绩	Core paper: C/D/E/F/G Extended paper: A*/A/B/C

Further study and future careers 面向未来

English is an essential qualification for the future, regardless of career choice. The skills acquired form a firm basis on which to build for further and higher education and employment.

不论你选择什么职业，英语都是你未来发展的必备条件。从英语学习中获得的技能为学生进一步的高等教育和就业打下坚实的基础。





Course Aims

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

剑桥IGCSE物理课程大纲旨在帮助学生了解他们所生活的技术世界，并对科学和科学发展产生广泛的兴趣。他们将通过理论和实践的结合学习物理学的基本原理。学习者还可以增加对科学技能的理解，可为进一步学习剑桥国际A Level课程做准备，也帮助他们更好地把这些技能用在生活当中。

What you will study:

All students will study 5 modules; general physics; thermal physics; properties of waves, including light and sound; electricity and magnetism; atomic physics.

所有学生将学习5个模块：基础物理、热力学、波的特性（包括光和声音）、电和磁、原子物理。

What you will learn:

- The scientific and technological applications of Physics with their social, economic and environmental implications
- Scientific vocabulary, terminology and conventions-including symbols, quantities and units
- To develop skills that are relevant to the study and practice of physics, useful in everyday life, encourage a systematic approach to problem-solving and promote effective communication through the language of science
- To enable learners to acquire sufficient knowledge and understanding to become confident citizens in a technological world and develop an informed interest in scientific matters
- 物理的科学和技术应用及其社会、经济 and 环境影响
- 科学词汇、术语和惯例，包括符号、物理量和单位
- 培养与物理学习和实践相关的、在日常生活中有用的技能，鼓励用系统的方法解决问题，并通过科学语言促进有效的交流
- 使学习者获得足够的知识和理解，成为科技世界中的自信公民，并培养对科学问题的广泛兴趣



The Facts

SUBJECT TITLE 课程名称	PHYSICS 物理
LEVEL 等级	IGCSE
EXAM BOARD 考试委员会	Cambridge International Examinations 剑桥考试中心
TIME ALLOCATION 课时分配	4 lessons per week for two years, flexibility is allowed 每周4节课，2年时间，允许根据实际情况进行调整
ASSESSMENT 评估标准	Component 1: Multiple Choice Component 2: Short answer and structured questions Component 3: Practical 1-选择题；2-简答题；3-实验；
ACCESS TO GRADES 成绩	Core : C/D/E/F/G Extended : A*/A/B/C/D/E/F/G

Further study and future careers 面向未来

A Physics qualification opens the door to a wide range of careers options, both in and out of the lab. There are endless interesting and rewarding science-based jobs available. For example as a Physicist you could:

- Work in the aerospace and defence sector
- Inspire others through teaching physics
- Work at developing new ways to use energy
- Work in engineering and manufacturing
- Develop new technologies in communications

物理为你打开了一扇广阔的职业选择之路，无论是在实验室内还是实验室之外，有无数有趣且高回报的科学工作可以选择。例如，作为一个物理学家，你可以：

- 在航空航天和国防部门工作
- 通过教授物理来启发他人
- 致力于开发利用能源的新方法
- 工程和制造方面的工作
- 开发通讯新技术



Spanish

as a Foreign Language



Course Aims 课程目标

Spanish IGCSE aims to develop your ability to communicate effectively using Spanish and to offer you insight into the culture and society of countries where Spanish is spoken i.e. Spain, Latin America and U.S.A. It will also develop your awareness of the nature of language and language learning and instill in you the essential 21st century skills of a positive attitude towards speakers of other languages and a sympathetic approach to other cultures and civilisations. It will also provide you with enjoyment and intellectual stimulation as well as developing your transferable skills (e.g. Analysis, memorizing, drawing of inferences) to complement other areas of your studies. IGCSE 西班牙语课程旨在提升你的西语语言运用能力，让你深入了解讲西语国家（如西班牙、拉丁美洲和美国）的社会与文化，还将提升你对语言本质和语言学习的认识，培养你21世纪必备技能，对其他语言使用者的积极态度和对其他文化和文明的理解与认同。它还会给你带来乐趣，开发你的智力，并发展你的可转移技能(如分析、记忆、理解)，以补充你的其他领域的学习。

What you will study 课程内容

All students will study 5 Areas of Experience : 所有学生都将学习以下5各方面的内容

Everyday activities 日常活动

Personal and social life 个人及社会生活

The world around us 我们周围的世界

The world of work 职场文化

The international world 国际世界

What you will learn 课程收获

• Listening and Reading :

- How to understand gist and identify main points and detail in texts drawn from a variety of contexts and topic areas
- How to recognize points of view, attitudes and emotions and how to extract meaning from more complex language

• Speaking:

- How to develop conversations and discussions and narrate events
- How to express and justify ideas and opinions
- How to speak confidently with good pronunciation and intonation

• Writing

- How to give information and narrate events
- How to express and justify ideas and opinions
- How to use a range of vocabulary, structures and verbs/tenses



- 听和读

能从不同文章和话题中理解主旨，识别文章的主要观点和细节
识别观点、态度和情感，从更复杂的语言中提取意义

- 说

展开对话和讨论并叙述事件
表达和证明想法和意见
自信地说西语，拥有良好的发音和语调

- 写作

提供信息和叙述事件
表达和证明想法和意见
使用一系列的词汇，结构和动词/时态

The Facts

SUBJECT TITLE 课程名称	SPANISH 西语
LEVEL 等级	IGCSE
EXAM BOARD 考试委员会	Cambridge International Examinations 剑桥考试中心
TIME ALLOCATION 课时分配	4 lessons per week for two years, flexibility is allowed 每周4节课，2年时间，允许根据实际情况进行调整
ASSESSMENT 评估标准	4 examinations: Listening, Speaking, Reading and Writing 4门测试：听、说、读、写
ACCESS TO GRADES 成绩	A*/A/B/C/D/E/F/G

Further study and future careers 面向未来

Gaining an IGCSE in Spanish could open up the world to you! There are 350 million people in the world whose mother tongue is Spanish and businesses everywhere are in need of people who speak Spanish as a second language, as Hispanic consumers are the fastest growing market segment. At University you can double up your Spanish studies with law, international business, trade, or finance, or you can study it with one or more other languages to go into the field of interpreting, journalism, the options are many.

西班牙语IGCSE可以为你打开世界的大门!世界上有3.5亿人的母语是西班牙语，世界各地的企业都需要把西班牙语作为第二语言的人，因为西班牙裔消费者是增长最快的市场部分。在大学里，你可以在学习西语的同时兼修法律、国际商务、贸易或金融专业，或者你可以学习西语和其他一门或多门外语，然后进入口译、新闻等领域，选择很多。





Computer Science



Course Aims 课程目标

Cambridge IGCSE Computer Science learners study the principles and practices of computing and gain confidence in computational thinking and programming. They learn to program by writing computer code and they develop their understanding of the main principles of problem-solving using computers. Learners apply their understanding to develop computer-based solutions to problems using algorithms and a high level programming language. They also develop a range of technical skills, as well as the ability to test effectively and to evaluate computing solutions. This qualification helps learners appreciate current and emerging computing technologies and the benefits of their use. They learn to recognize the ethical issues and potential risks when using computers.

剑桥IGCSE计算机科学学习计算的原理和应用，并在计算思维和编程中取得信心。他们通过编写计算机代码来学习编程，并且加强对通过计算机解决问题的原理的理解。学生使用算法和高级编程语言，运用他们的理解力开发基于计算机的解决方案。他们也发展了一系列的技术技能，以及有效测试和评估计算解决方案的能力。这些帮助学生欣赏当前新兴的计算技术及其使用的好处，他们学习使用计算机时的伦理问题和潜在风险。

What you will study 课程内容

Section 1: Theory of computer science

计算机科学理论

Section 2: Practical problem-solving and programming

实用问题解决和编程

What you will learn 课程收获

- 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.
- 计算机思维：考虑什么可以计算、如何计算，包括对所需数据的考虑
- 了解使用计算机解决问题的基本原理
- 理解每个计算机系统都是由子系统组成的，子系统又是由进一步的子系统组成的
- 理解计算机系统的组成部分及其相互关系，包括软件、数据、硬件和人员
- 具备运用高级编程语言解决计算机问题的能力



The Facts

SUBJECT TITLE 课程名称	Computer Science 计算机科学
LEVEL 等级	IGCSE
EXAM BOARD 考试委员会	Cambridge International Examinations 剑桥考试中心
TIME ALLOCATION 课时分配	4 lessons per week for two years, flexibility is allowed 每周4节课，2年时间，允许根据实际情况进行调整
ASSESSMENT 评估标准	100% Written Examinations (2 papers) 百分百笔试
ACCESS TO GRADES 成绩	A*/A/B/C/D/E/F/G

Further study and future careers 面向未来

- | | |
|--------------------------|--------|
| • Computer Programmer | 计算机程序员 |
| • Hardware Engineer | 硬件工程师 |
| • Software Developer | 软件开发人员 |
| • Systems Manager | 系统管理员 |
| • Web Developer | 网站开发员 |
| • Software Engineer | 软件工程师 |
| • Database Administrator | 数据库管理员 |
| • IT Architect | IT 架构师 |





Cambridge Assessment
International Education

Chemistry



Course Aims 课程目标

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

剑桥IGCSE化学教学大纲使学生了解他们生活的世界，并对科学和科学发展产生广泛的兴趣。学生通过理论和实践的综合学习，了解化学的基本原理。他们还发展了对科学技能的理解，这些对A level深入学习至关重要，并且在日常生活中非常有用。

What you will study 课程内容

All students will study 12 topics

学习12个课题

What you will learn 课程收获

- The scientific and technological applications of Chemistry with their social, economic and environment implications
- How to use scientific vocabulary, terminology and conventions-including symbols, quantities and units
- How to select, describe, justify and evaluate techniques for a large range of scientific operations and laboratory procedures
- To communicate and present scientific ideas, observations and data using a wide range of scientific terminology and conventions
- 理解化学的科学和技术应用，以及化学对社会、经济和环境的影响
- 使用科学词汇、术语和俗语，包括符号、量和单位
- 了解如何选择、描述、证明和评价科学操作实验技术和实验过程
- 运用科学术语和惯例来交流和表达科学观点、观察和数据



南京漢開書院
Nanjing Hankai Academy

The Facts

SUBJECT TITLE 课程名称	CHEMISTRY 化学
LEVEL 等级	IGCSE
EXAM BOARD 考试委员会	Cambridge International Examinations 剑桥考试中心
TIME ALLOCATION 课时分配	4 lessons per week for two years, flexibility is allowed 每周4节课，2年时间，允许根据实际情况进行调整
ASSESSMENT 评估标准	Component 1: Multiple Choice Component 2: Short answer and structured questions Component 3: Practice 1-选择题；2-简答题；3-实验题
ACCESS TO GRADES 成绩	Core paper: C/D/E/F/G Extended paper: A*/A/B/C/D/E/F/G

Further study and future careers 面向未来

A chemistry qualification opens the door to a wide range of careers options, both in and out of the lab. There are endless interesting and rewarding science-based jobs available.

For example as a chemist you could:

- Fight disease by discovering new medicines
- Protect the environment developing new technologies
- Invent new products and materials, including cosmetics, paints, food and drink, plastics and much more
- Solve crime using forensic analysis
- Inspire others through teaching Chemistry

化学为你打开一扇广阔的职业选择之门，无论是在实验室内还是在实验室之外。有无数有趣且高收益的科学类工作可供选择。例如：

- 通过发现新药来对抗疾病
- 开发新技术，保护环境
- 发明新产品和新材料，包括化妆品、食物、塑料等
- 利用法医分析解决犯罪问题
- 通过教授化学来激励他人



Biology



Course Aims 课程目标

To provide, through well designed studies of experimental and practical science, a worthwhile educational experience for all students to enable them to acquire sufficient understanding and knowledge to become confident citizens in a technological world. Students will develop abilities, skills and attributes relevant to the study and practice of biology. The course also aims to promote an awareness that the study and practice of science is subject to social, economic, technological, ethical and cultural influences and limitations stimulate interest in, and care for environment.

通过精心设计的实验科学和实践科学研究，为所有学生提供有价值的教育经历，使他们获得充分的理解和知识，成为科技世界中的自信公民。学生将发展与生物学学习和实践相关的能力、技能和属性。本课程还旨在提高人们的认识，并把科学实践融入到社会、经济、技术、伦理和文化中去，激发学生对环境的兴趣和关心。

What you will study 课程内容

All students will study anatomy and physiology of humans and plants, and explore the fascinating interdependence of the two.

所有的学生都将学习人体和植物的解剖学和生理学，并探索这两者之间迷人的相互依存关系

What you will learn 课程收获

- Characteristics and classification of living organisms, cells
- Diffusion and osmosis, enzymes
- Nutrition in plants and animals, the human digestive system
- Transport in both plants and animals
- Respiration and gaseous exchange
- Relationships of organisms with one another and their environment, excretion in humans, co-ordination and response, asexual and sexual reproduction, and study on inheritance.
- 生物、细胞的特征与分类
- 渗透、扩散和酶
- 植物和动物的营养、人体的消化系统
- 植物和动物的运输
- 呼吸和气体交换
- 生物之间的关系，以及生物和环境的关系；人类的排泄、协调和反应，无性生殖和有性生殖，以及遗传的研究



The Facts

SUBJECT TITLE 课程名称	BIOLOGY 生物
LEVEL 等级	IGCSE
EXAM BOARD 考试委员会	Cambridge International Examinations 剑桥考试中心
TIME ALLOCATION 课时分配	4 lessons per week for two years, flexibility is allowed 每周4节课，2年时间，允许根据实际情况进行调整
ASSESSMENT 评估标准	Component 1: Multiple choice Component 2: Short answer and structured questions Component 3: Practice 1-选择题；2-简答题；3-实验题
ACCESS TO GRADES 成绩	Core entry: C/D/E/F/G Extended entry: A*/A/B/C/D/E/F/G

Further study and future careers 面向未来

Biochemistry examines the rudimentary chemistry of life; molecular biology studies the complex interactions among biological molecules; botany studies the biology of plants; cellular biology examines the basic building-block of all life, the cell, physiology examines the physical and chemical functions of tissues, organs, and organ systems of an organism; evolutionary biology examines the process that produced the diversity of life; and ecology examine how organisms interact in their environment.

生物化学研究生命的基础化学；分子生物学研究生物分子之间复杂的相互作用；植物学研究植物的生物学；细胞生物学检查细胞生命的基本组成部分；生理学检查组织、器官和有机器官系统的物理和化学功能；进化生物学研究产生生命多样性的过程；生态学研究生物如何在它们的环境中相互作用。



Business Studies



Course Aims 课程目标

Students will learn to make effective use of relevant terminology, concepts and methods, and recognize the strengths and limitations of ideas used in business. They will then be able to apply their knowledge and critical understanding to current issues and problems in a wide range of business contexts. During the course students will develop knowledge and understanding of the major groups and organisations within and outside business, and consider ways in which they are able to influence objectives, decisions and activities.

学生将学习有效使用相关术语、概念和方法，并认识到在商业中使用的思想的优势和局限性。然后，学生将尝试学以致用，运用相关理论知识和批判性思维去分析解决现实中存在的各种问题。在课程中，学生将深化对商界大型公司内外部的相关了解，考虑他们影响目标、决策和活动的方式。

What you will study 课程内容

All students will study 6 units

6个单元知识点

What you will learn 课程收获

- To understand different forms of business organisations, the environments in which businesses operate and business functions such as marketing, operations and finance
- To appreciate the role of people in business success
- The ability to calculate and interpret business data
- Communication skills needed to support arguments with reasons
- The ability to analyse business situations and reach decisions or judgements
- 了解不同形式的商业组织、商业运作的环境和商业功能，如市场、运营和财务
- 欣赏商业成功人士
- 计算和处理业务数据的能力
- 强化有理有据的沟通技巧
- 分析商业状况、决策和评价的能力

The Facts

SUBJECT TITLE 课程名称	BUSINESS STUDIES 商业
LEVEL 等级	IGCSE
EXAM BOARD 考试委员会	Cambridge International Examinations 剑桥考试中心
TIME ALLOCATION 课时分配	4 lessons per week for two years, flexibility is allowed 每周4节课，2年时间，允许根据实际情况进行调整
ASSESSMENT 评估标准	100% written Examinations, 2 papers 百分百笔试，两份试卷
ACCESS TO GRADES 成绩	A*/A/B/C/D/E/F/G

Further study and future careers 面向未来

Many business studies students go into management and administration jobs in commercial business, and a business studies qualification can also be helpful to get into finance, banking or insurance. Skills in management and marketing are required in other area such as charity, social work and local government, while knowledge of business is also important for consultancy, certain teaching jobs and for financial journalist.

许多商业专业学生从事商业管理和行政工作，商业专业的资格证书对进入金融、银行或保险行业也有帮助。在慈善、社会工作和地方政府等其他领域，管理和营销技能是必需的，而对于咨询、某些教学工作和金融记者来说，商业知识也很重要。





Cambridge Assessment
International Education

Economics



Course Aims 课程目标

Cambridge IGCSE Economics is accepted by universities and employers as a proof of knowledge and understanding of economics. Successful Cambridge IGCSE Economics candidates gain lifelong skills, including: an understanding of economic theory, terminology and principles, the ability to apply the tools of economic analysis, the ability to distinguish between facts and value judgements in economic issues, an understanding of, and an ability to use, basic economic numeracy and literacy, the ability to take a greater part in decision-making processes in everyday life, an ability to use examples from a variety of economies, an excellent foundation for advanced study in economics.

剑桥的IGCSE经济学被大学和用人单位认可，作为对经济学知识和理解的证明。成功的IGCSE经济学学者可以获得终身技能，包括理解经济理论、术语和原理，运用经济分析的工具，在经济问题上区分事实和价值判断，能够理解并运用基础经济计算和读写，能够在日常生活中更大的参与经济决策，能够使用各种经济体的例子，为进一步学习经济学打下良好的基础。

What you will study 课程内容

- | | |
|---|----------|
| • The basic economic problem | 基本经济问题 |
| • The allocation of resources | 资源分配 |
| • Microeconomic decision makers | 微观经济决策 |
| • Government and the macro economy | 政府和宏观经济 |
| • Economic development | 经济发展 |
| • International trade and globalization | 国际贸易和全球化 |

What you will learn 课程收获

- Know and understand economic terminology, concepts and theories
- Use basic economic numeracy and interpret economic data
- Use the tools of economic analysis
- Express economic ideas logically and clearly in a written form
- Apply economic understanding to current economic issues.
- 了解并理解经济术语、概念和理论
- 运用基础经济计算能力，解读经济数据
- 运用经济分析工具
- 以书面形式表达经济思想，逻辑清晰
- 将经济学理解应用到当前的经济问题



南京漢開書院
Nanjing Hankai Academy

The Facts

SUBJECT TITLE 课程名称	ECONOMICS 经济
LEVEL 等级	IGCSE
EXAM BOARD 考试委员会	Cambridge International Examinations 剑桥考试中心
TIME ALLOCATION 课时分配	4 lessons per week for two years, flexibility is allowed 每周4节课, 2年时间, 允许根据实际情况进行调整
ASSESSMENT 评估标准	100% Written Examinations (2 papers) 百分百笔试
ACCESS TO GRADES 成绩	A*/A/B/C/D/E/F/G

Further study and future careers 面向未来

- | | |
|-------------------------------------|--------|
| • Accountant | 会计 |
| • Actuary | 精算师 |
| • Bookkeeper | 簿记员 |
| • Budget analyst | 预算分析师 |
| • Compensation and benefits manager | 薪酬福利经理 |
| • Credit analyst | 信贷分析师 |
| • Financial analyst | 金融分析师 |
| • Management analyst | 管理分析师 |





Cambridge Assessment
International Education

Art & Design



Course Aims 课程目标

Cambridge IGCSE Art and Design will appeal to learners who wish to explore practical work through a range two and three-dimensional processes and include new media and technologies in addition to traditional approaches. The course encourages personal expression, imagination, sensitivity, conceptual thinking, powers of observation, and analytical ability and practical attitudes. Learners will have opportunities to gain greater understanding of the role of the visual arts in the history of civilisations, and so widen and enrich their cultural horizons. The syllabus has been designed to combine a breadth and depth of study, to accommodate a wide range of abilities and individual resources, and to provide opportunities for both practical and critical/contextual work.

剑桥IGCSE艺术与设计将吸引那些希望通过一系列的二维和三维过程探索实践的学习者，并包括传统方法之外的新媒体和技术。该课程鼓励个人表达能力、想象力、敏感性、概念思维、观察力、分析能力和实践态度。学习者将有机会更好地了解视觉艺术在文明史上的作用，从而拓宽和丰富他们的文化视野。教学大纲的设计结合了研究的广度和深度，以适应广泛的能力和个人资源，并为实践和批判性思维练习提供机会。

What you will study 课程内容

All students will study Art and Design through variety of media

所有学生将通过各种媒体学习艺术与设计

What you will learn 课程收获

- Creativity, visual awareness, critical and cultural understanding
- An imaginative, creative and personal response
- Confidence, independence, enthusiasm and a sense of achievement in the practice of art and design
- Engagement and experimentation with a range of media, materials and techniques, including new media and technologies where appropriate
- Experience of working in relevant framework and exploration of manipulative skills necessary to form, compose and communicate in two and/or three dimensions
- Knowledge of a working vocabulary relevant to the subject and an interest in, and a critical awareness of other practitioners, environments and cultures.



南京漢開書院
Nanjing Hankai Academy

- 创造力、视觉意识、批判性思维、对文化的理解
- 想象力、创造力和个性化
- 在艺术和设计实践中有自信、独立、热情和成就感
- 参与体验一系列媒介、材料和技术，适当的时候包括新媒体和新技术
- 体验在一定框架内工作，众多技能中探索在两个或多维度中表达创作的能力
- 具备与主题相关的工作词汇和兴趣，并对其他从业者、环境、文化有批判性的认识

The Facts

SUBJECT TITLE 课程名称	ART AND DESIGN 艺术与设计
LEVEL 等级	IGCSE
EXAM BOARD 考试委员会	Cambridge International Examinations 剑桥考试中心
TIME ALLOCATION 课时分配	4 lessons per week for two years, flexibility is allowed 每周4节课，2年时间，允许根据实际情况进行调整
ASSESSMENT 评估标准	1: Broad-based assignment and Controlled Test, weighing 50% 2: Design-based assignment and Controlled Test, weighing 50% 1-基础知识，权重50%；2-艺术设计，权重50%
ACCESS TO GRADES 成绩	A*/A/B/C/D/E/F/G

Further study and future careers 面向未来

Students who study art have a range of creative options open to them including but not limited to
学习艺术的学生有一系列创造性的选择，包括但不限于：

- Art therapist 艺术治疗师
- Fashion designer 时装设计师
- Fine artist 艺术家
- Graphic designer 平面设计师



Drama



Course Aims 课程目标

IGCSE Drama is a rigorous curriculum for second language speakers due to the heavy use of English. It is a subject that works well paired with English study or English literature study. The aims of the course are to improve students communication ability, analytical skills and to improve both the ability to express themselves in writing and with their physical self. Due to the use of English language scripts reading skills are essential and students must be able to sight read. Additionally improvisation is a large part of the curriculum so students will be required to think in English and react quickly.

IGCSE戏剧课程是一门针对第二语言使用者的严格课程因为需要大量使用英语。它是一门与英语学习或英语文学研究相结合的学科。本课程目的是提高学生沟通能力，分析能力，提高书面和身体表达能力。由于需要阅读理解剧本，阅读技能是必不可少的，学生必须能够看懂。此外，即兴创作在课程中占很大一部分，因此学生需要用英语思考和快速反应。

What you will study 课程内容

Textbooks are not an essential part of drama study but play books are. Students will study in detail a play a year as well as looking at several play extracts. Due to the coursework's heavy focus on performance students will perform a play, a 5 minute monologue and a creative devised piece.

教科书不是戏剧学习的重要组成部分，但戏剧剧本却占有很大比重。学生们每年将详细学习一出戏剧，同时也会看一些戏剧摘录。由于课程集中在表演上，学生将表演一个戏剧故事、一段5分钟的独白和一段创意设计的作品。

What you will learn 课程收获

- To read a wide range of scripts, fluently and with good understanding, enjoying and appreciating a variety of language
- To read analytically and use information gained from wide reading to inform and improve your writing
- To write accurately and effectively using appropriate standard language
- To work with information and ideas in English by developing skills of critical evaluation, analysis, synthesis and inference
- To deepen understanding and appreciation of world culture and classical texts.
- To perform to a high standard.
- To understand the historical significance of drama and its influence on the development of culture throughout the world.
- To communicate intentions and express ideas in a fluent and concise manner.
- To understand and develop technical skills required for a full scale production.
- 能流利地阅读各种文字，并对各种语言有良好的理解、欣赏和欣赏能力
- 分析性地阅读，利用从广泛阅读中获得的信息来提高你的写作能力



- 使用适当的标准语言准确有效地书写
- 通过培养批判性评价、分析、综合和推理的技能，用英语处理信息和想法
- 加深对世界文化和经典文本的理解和欣赏
- 高标准地完成工作
- 了解戏剧的历史意义及其对世界文化发展的影响
- 以流利和简洁的方式传达意图和表达想法
- 理解和发展生产所需的技术技能

The Facts

SUBJECT TITLE 课程名称	Drama 戏剧
LEVEL 等级	IGCSE
EXAM BOARD 考试委员会	Cambridge International Examinations 剑桥考试中心
TIME ALLOCATION 课时分配	4 lessons per week for two years 每周4节课，2年时间
ASSESSMENT 评估标准	Component 1: Coursework 3 performances. Component 2: 2 hours and 30 minute written exam 第一部分：3个课程表演 第二部分：笔试（时长2.5小时）
ACCESS TO GRADES 成绩	A*/A/B/C/D/E/F/G

Further study and future careers 面向未来

Cambridge IGCSE Drama qualification is accepted by universities and employers as proof of knowledge and understanding of a language

Candidates who are awarded grades A* to C in this course are well prepared to follow courses leading to Cambridge international AS and A Level Drama, BTEC Performing arts or equivalent.

Drama at A level is a well respected A level due to its rigorous nature and the way it develops students analytical ability. A student who studied drama as one of their 3 A levels will be able to apply to any university in the world.

剑桥IGCSE戏剧资格是大学和社会认可的知识和语言理解的证明。

在本课程中获得A*至C的考生已做好准备学习剑桥国际AS和A级戏剧、BTEC表演艺术或同等水平的课程。A级的戏剧由于其严谨的本质和培养学生分析能力的方式而备受推崇。一个把学习戏剧作为三门A级学科之一的学生，可以申请世界上任何一所大学。



Global Perspectives



Course Aims 课程目标

Cambridge IGSCE Global Perspective provides opportunities for exploring and reflecting on key global issues from personal, global, national/local perspectives. Cambridge IGSCE Global Perspective encourages people to be more aware of the global issues and offers a range of opportunities to explore courses of actions through cooperation. This course advocates independent thinking, open thinking in terms of the world and the diversity of human thoughts. It also encourages people to show empathy for the diversity of human experiences and feelings.

剑桥IGCSE Global Perspectives为人们提供了从个人、地方/国家和全球的不同角度来探究和思考全球关键问题的机会。剑桥IGCSE Global Perspective鼓励人们关注全球问题，并提供一系列的机会，通过合作和协作来探索解决方案。这门课不是要让每个人都一样思考；相反，这是一种对世界和人类思想的复杂性开放思想，并鼓励对人类经验和感受的多样性产生同理心的问题。

What you will study 课程内容

Candidates choose from a range of 24 topics that have the most relevance to them in the world. Examples include: 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, employment, fuel and energy, globalization, law and criminality and migration. 考生从世界上24个与自己最相关的话题中进行选择。这些例子包括：冲突与和平、疾病与健康、人权、语言与交流、贫穷与不平等、体育与娱乐、传统、文化与特性、水、粮食与农业、就业、燃料与能源、全球化、法律与犯罪以及移民。

What you will learn 课程收获

- Become independent and empowered to take their place in an ever-changing, information-heave, interconnected world
- Develop analytical and evaluative grasp of global issues and their causes, consequences and possible courses of action
- Enquire into, and reflect on, issues independently and in collaboration with others from different cultural perspectives
- Work independently as well as part of a team, directing much of their own learning with the teacher as an active facilitator
- Consider important issues from personal, local and/or national and global perspectives and understand the links between these
- Critically assess the information available to them and support judgements with lines of reasoning
- Communicate and empathise with the needs and rights of others



- 变得独立，在这个不断变化、信息丰富、相互联系的世界中占据一席之地
- 发展和分析，评估掌握全球问题及其原因，后果和可能的行动方针从
- 不同的文化角度，独立和与他人合作，调查和反思问题
- 作为团队的一部分，独立工作，指导他们自己的学习与教师作为一个积极的推动者
- 从个人、地方和/或国家和全球的角度考虑重要问题，并了解它们之间的联系
- 批判性地评估他们所能得到的信息，并用一系列的推理来支持判断
- 沟通和同情他人的需要和权利

The Facts

SUBJECT TITLE 课程名称	GLOBAL PERSPECTIVES 全球视野
LEVEL 等级	IGCSE
EXAM BOARD 考试委员会	Cambridge International Examinations 剑桥考试中心
TIME ALLOCATION 课时分配	4 lessons per week for two years, flexibility is allowed 每周4节课，2年时间，允许根据实际情况进行调整
ASSESSMENT 评估标准	Three components: 三部分组成 1-Written exam(externally assessed) 书面测试（外部评估） 2-Individual Report(externally assessed) 个人报告（外部评估） 3-Team project(internally assessed) 团队项目（内部评估）
ACCESS TO GRADES 成绩	A*/A/B/C/D/E/F/G

Further study and future careers 面向未来

- | | |
|----------------------------|--------|
| • Project Specialist | 项目专员 |
| • International researcher | 国际形势分析 |
| • Business analyst | 业务分析师 |
| • Foreign affair agent | 外交事务代理 |



Music



Course Aims 课程目标

In Music we endeavor to encourage and enable students to explore, learn and understand more about themselves, society and other cultures through three main areas-composition, performance, and listening and appraisal. Students studying IGCSE Music will be able to develop their musical skills and understanding, and enrich their appreciation of a huge diversity of musical styles from different times and places.

在音乐方面，我们努力鼓励和帮助学生通过作曲、演奏、聆听和评价三个主要方面来探索、学习和了解自己、社会和其他文化。学习IGCSE音乐的学生，将能发展他们的音乐技能和理解，并丰富他们对来自不同时代和地方的音乐风格的欣赏。

What you will study 课程内容

All students will study the history of Western music, world music, music theory, aural theory, composition, and performance.

所有学生将学习西方艺术史音乐，世界音乐，音乐理论，视唱练耳，作曲和表演。

What you will learn 课程收获

- How to read and write music fluently using western music notation
- How to use industry standard music software in order to compose and arrange music
- Technique as a performer on your chosen instrument
- Ensemble skills in a variety of roles(e.g. player, conductor etc.)
- How to analyse music from different areas and identify the stylistic features of that period.
- Compositional techniques to develop melodic structure and chord placements, in a range of styles and genres
- Aural literacy- notating rhythms, chords, cadences and other musical features by ear
- 用西方音乐记谱法流利地演唱、记录乐谱
- 使用标准的音乐软件来创作和编排音乐
- 在你所演奏的乐器上达到演奏者的等级
- 在各种音乐团体中的合奏技巧(例如:乐手、指挥等等)
- 分析不同地域的音乐，识别各个时期的风格特征
- 掌握不同风格和体裁下的作曲技术以提升旋律写作及和弦编配
- 视唱练耳——用耳朵听辨音符、和弦、音乐织体和其他音乐元素



The Facts

SUBJECT TITLE 课程名称	MUSIC 音乐
LEVEL 等级	IGCSE
EXAM BOARD 考试委员会	Cambridge International Examinations 剑桥考试中心
TIME ALLOCATION 课时分配	4 lessons per week for two years, flexibility is allowed 每周4节课，2年时间，允许根据实际情况进行调整
ASSESSMENT 评估标准	<div>30% Composition coursework 30%作曲课程</div> <div>30% Performance coursework 30%演奏课程</div> <div>40% Listening and appraising exam 40%听力和评价考试</div>
ACCESS TO GRADES 成绩	A*/A/B/C/D/E/F/G

Further study and future careers 面向未来

Music provides a solid grounding for study of the subject at a higher level, and is excellent preparation for A level and IB Music. Career opportunities are endless and include performing, composing/arranging, music therapy, music education, work in the record industry and sound engineering. Students who study music but do not pursue a career in the subject often end up with careers in publishing, editing, media production, broadcasting and marketing. Employers value the diligence, commitment and self-discipline which musicians require to be successful, and interestingly, 66% of music majors who applied to medical schools were admitted, the highest percentage of any group.

音乐为更高层次的学科学习提供了坚实的基础，是A level 和IB音乐的最佳准备。职业机会是无限的，包括表演、作曲/编曲、音乐治疗、音乐教育，唱片和音乐工程。学习音乐但不从事相关职业的学生，通常最终从事出版、编辑、媒体制作、广播和市场营销等工作。雇主看中音乐家成功所需要的勤奋、承诺和自律，有趣的是66%申请医学院的音乐专业学生被录取了，这是所有群体中比例最高的。



Physical Education



Course Aims 课程目标

The IGCSE PE course encourages enjoyment in physical activity by providing pupils with an opportunity to take part in a range of physical activities whilst allowing them to develop a strong theoretical understanding of all aspects of performance and health. This in turn will help pupils to develop an appreciation of the necessity for sound understanding of the principles, practices and training that underpin improved performance, better health and well-being in today's society.

IGCSE体育课程通过为学生提供参加各种体育活动的机会，鼓励他们享受体育活动，同时发展他们对运动与健康的各方面有深刻的理论理解。反过来，这也将帮助学生们培养正确理解运动原则、实践和训练的必要性，这些原则、实践和训练是当今社会提高成绩、增进健康和福祉的基础。

What you will study 课程内容

The course is divided into two Components.

Component 1: The Theory of the physical Education (40% of the total GCSE)

Component 2: Performance in physical Education (60% of the total GCSE)

Due to high percentage of practical assessment it is a requirement that you demonstrate a good level of ability in 4 different sports & an interest in learning about the theoretical side to sport also.

本课程由两部分组成：

第一部分：体育理论（占比40%）+ 第二部分：体育成绩（占比60%）

What you will learn 课程收获

- Develop your knowledge and practical skills in a range of physical activities
- Examine the effects of exercise and how training can improve performance
- Find ways to improve your own performance in a variety of roles
- Identify ways to develop and maintain a healthy and active lifestyle through participation in physical activity
- Appreciate the benefits of promoting "sport for all"
- 在一系列的体育活动中发展你的知识和实践技能
- 测评锻炼的效果以及训练如何提高表现
- 想办法在不同的角色体验中提高自己的表现
- 通过参与体育活动，确立和维持健康和积极的生活方式
- 认识到推广“全民体育”的好处



The Facts

SUBJECT TITLE 课程名称	PHYSICAL EDUCATION 体育
LEVEL 等级	IGCSE
EXAM BOARD 考试委员会	Cambridge International Examinations 剑桥考试中心
TIME ALLOCATION 课时分配	4 lessons per week for two years, flexibility is allowed 每周4节课，2年时间，允许根据实际情况进行调整
ASSESSMENT 评估标准	60% Practical Assessment in 4 sports, including an analysis of performance in one sport; 40% Written Examination 60% 是对四项运动的实践评估，包括对一项运动表现的评价分析； 40% 运动健康理论测试
ACCESS TO GRADES 成绩	A*/A/B/C/D/E/F/G

Further study and future careers 面向未来

Students can continue with this subject at A-Level.

Possible university courses include Sport Science, Physiotherapy, Sports development and Sport Coaching.

Careers include PE Teaching, Physiotherapy, Sport Development, Nutrition, Coaching and Leisure Management.

学生可以在A level中继续学习这门课

可能的大学课程包括运动科学、物理治疗、运动发展和运动训练

职业包括体育教学、物理治疗、运动发展、营养教练和休闲管理





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