

Maths Regular Courses 數學及科學常規課程

Starting from 30th August 2021 二零二一年八月三十日開始

Course Overview 課程概覽

Click on the links and jump to the specific timetable. 點擊各課程名稱, 即可連結到具體時間表。

Course Type 課程類別	Level 年級	Course Name 課程名稱		Online Lessons Available 可選網上上課 (部分時段*)
Primary Maths Courses 小學數學課程	P1-P6	智愛數學班 Maths Class (中文/English)	p.2-3	✓
		奧數班 Competitive Maths (中文/English)	p.4-5	✓
		海外升學課程 Overseas School Admissions 11+ : Mathematics 英國第7級預備課程:數學	p.6	✓
		海外升學課程 Overseas School Admissions 11+ : Non-verbal Reasoning 英國第7級預備課程:邏輯推理	p.7	✓
Junior Secondary Maths and Science Courses 初中數學及科學課程	S1-S3	智愛數學班 Maths Class (中文/English)	p.8	✓
		海外升學課程 Overseas School Admissions 13+ : Mathematics 英國第9級預備課程:數學	p.9	✓
		海外升學課程 Overseas School Admissions 13+ : Non-verbal Reasoning 英國第9級預備課程:邏輯推理	p.10	✓

		<u>海外升學課程 Overseas School Admissions 13+ : Science</u> <u>英國第7級預備課程:科學</u>	p.10	✓
Senior Secondary Maths Courses 高中數學課程	S4-S6	<u>智愛DSE數學班 DSE Maths (中文/English)</u>	p.11	✓
		<u>IGCSE Maths IGCSE數學班</u>	p.12	✓
		<u>A-Level Maths A-Level數學班</u>	p.12	✓
		<u>IB Maths IB數學班</u>	p.13	✓

*Time-slots highlighted and underlined are available online.

*網上課時段以螢光筆及底線標記。

小學數學課程

Primary Maths Courses

智愛數學班 Maths Class

很多學生讀數學時追求把一堆公式套用在標準問題上，一下子得到答案，因為現今課程過於着重標準運算技巧的訓練，此種傳統的教學模式實在難以提升學生的學習動機和培養數學解難的興趣及能力。於是，學生除了不了解數學與日常生活的關係，亦未能洞察數學的自然美，或是享受邏輯思維和解難的樂趣。其實數學不一定複雜又枯燥乏味，相反，用對方法學習數學，不但可以應用在日常生活，還可以樂在其中，享受征服種種難題的成就感。因此，我們希望從數感、空間感、解難思維三方面培養學生的數學能力，引導他們結合過去的學習經歷、生活體驗及現在的實際情況，不斷地自我學習與修正。

- 緊貼香港中小學數學課程
- 教授刺激思維又實用的運算和解難技巧
- 內容不侷限於傳統的課程框架，以訓練學生的解難思維為宗旨

When studying mathematics, the majority of students often pursue a standard set of formulas to instantly solve every problem. This is an unavoidable result from over-emphasis on computations in traditional schooling, which rarely cultivates students' motivation in learning mathematics and their problem solving skills. Mathematics does not have to be boring or robotic; instead, studying mathematics with a suitable approach enables students to apply mathematics in daily life, to appreciate its beauty in nature, and to feel the excitement of logical thinking and problem solving. In the Numeracy and Problem Solving course, we aim to nurture students' mathematical ability in all aspects of numeracy, special senses and problem solving. Students are guided to integrate their learning experiences and contexts in reality, so as to develop lifelong learning and self-correction skills.

- Consistent with Hong Kong Primary and Secondary Mathematics Curriculum
- Practical and stimulating techniques in mental calculation and problem solving
- Cross-topic investigations unconfined to the traditional curriculum framework

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*網上課時段以螢光筆及底線標記。

Level 年級	Time-slots available 課堂時間 (ONE lesson per week 每週一堂)
P1	Mon 14:00-15:10 Tue 14:00-15:10 Wed 14:00-15:10 Wed 15:20-16:30
P2	Thur 14:00-15:10 Fri 15:20-16:30 Sat 18:00-19:10 Sun 16:40-17:50
P3	Wed 16:40-17:50 Thur 18:00-19:10 Sat 18:00-19:10
P4	Tue 15:20-16:30 Sat 14:00-15:10 Sat 15:20-16:30 Sun 10:20-11:30
P5	<u>Mon 14:00-15:10</u> <u>Tue 16:40-17:50</u> Thur 18:00-19:10 Fri 14:00-15:10
P6	<u>Tue 18:00-19:10</u> Wed 18:00-19:10 <u>Fri 16:40-17:50</u> Sat 11:40-12:50

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奧數班 Competitive Maths

大型數學競賽如奧數比賽，可以讓學生與來自世界各地的同儕互相切磋和砥礪，鍛鍊及提升邏輯思維能力。惟奧林匹克數學(奧數)給大眾的一般印象是大幅超前學習以及機械式操練。其實，更廣義的競賽數學主要考驗學生的數學基礎和概念，解題的方式亦不侷限於傳統的逐步推算，反之要求學生多動腦，以具創意和突破性的方法解題。

數學競賽思維班以奧數、世界數學測試，以及多個著名競賽及測試的多種解難技巧為本，旨在幫助學生融會貫通，活用從學校數學課程習得的知識和技巧，解決各種看來難以克服的難題。課程亦會參考各項大型數學競賽及數學能力評估的試題、古今中外的著名數學謎題和遊戲，讓學生在不斷挑戰自我的同時也激發對數學和思考的熱愛。數學的精髓在於習得一套通用的邏輯，應對千變萬化、林林總總的難題，這也是本課程的核心目標。

By participating in the Mathematical Olympiad (MO) or World Class Tests, students gain opportunities to nurture their logical thinking capacities through competing with and learning from counterparts all over the world. However, the MO has over the years become notorious for an overwhelming curriculum, demanding significantly accelerated learning and robotic training. That is an overgeneralization for competitive mathematics, which requires students to possess a solid foundation of knowledge and concepts, so as to think outside the box instead of being guided to solve routine problems using traditional steps. The goal is for students to come up with creative problem solving strategies independently.

Our Competitive Mathematics class is based on the curriculum of MO and many other useful problem solving strategies. We aim to equip students with the ability to master what they have learned from school, to understand the connections between different concepts, and to apply them in unforeseen scenarios. The syllabus also includes questions from famed mathematics competitions and competence tests, as well as well-known mathematical puzzles and games. Students will nurture their passion for mathematics and thinking skills through continuous breakthrough improvements.

The art of mathematics is to learn a set of universal logic, and students will learn how to apply it skilfully in numerous ever-changing contexts.

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Level 年級	Time-slots available 課堂時間 (ONE lesson per week 每週一堂)
P1	Mon 17:20-18:30 Tue 14:00-15:10 Sat 18:00-19:10
P2	Thur 14:00-15:10 Sat 18:00-19:10 Sun 19:20-20:30
P3	Tue 14:00-15:10 Wed 15:20-16:30 Thur 18:00-19:10
P4	Tue 15:20-16:30 Wed 18:00-19:10 Sat 18:00-19:10
P5	Tue 18:00-19:10 Thur 14:00-15:10 Fri 14:00-15:10
P6	Tue 18:00-19:10 Thur 19:20-20:30 Fri 15:20-16:30

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*網上課時段以螢光筆及底線標記。

海外升學課程 11+

Overseas School Admissions 11+

想親身體驗英國校園生活，為海外升學作準備嗎？我們幫助學生準備在以下階段到海外升學：第七級、第九級、第十二級及大學入學申請。學生亦可選擇於任何年級到海外就讀。

Experience UK school life and prepare for admission to the school that's right for you. There are three key stages for overseas studies: Year 7 (11+), Year 9 (13+), Year 12 (Sixth Form) and University. Join our dedicated courses for applications at these stages, or contact us to arrange tailored lessons if applying at another stage.

英國第7級預備課程：數學

Overseas School Admissions 11+ : Mathematics

幫助學生學習英國數學課程要點，掌握文字題和邏輯推理題的考試技巧。

Showcase students' maths skills by learning the tricks to 11+ exams used by UK grammar and independent schools. Develop techniques to handle word problems, become familiar with all the common non-verbal reasoning questions, and ensure that your child's maths abilities shine!

Time-slots available 課堂時間 (ONE lesson per week 每週一堂)			
Tue 14:00-15:10	Wed 15:20-6:30	Wed 18:00-19:10	Thur 18:00-19:10
	Fri 15:20-16:30	Sat 11:40-12:50	

*Time-slots highlighted and underlined are available online.

*網上課時段以螢光筆及底線標記。

英國第7級預備課程：邏輯推理

Overseas School Admissions 11+ : Non-verbal Reasoning

幫助學生學習英國數學課程要點，掌握文字題和邏輯推理題的考試技巧。

Showcase students' maths skills by learning the tricks to 11+ exams used by UK grammar and independent schools. Develop techniques to handle word problems, become familiar with all the common non-verbal reasoning questions, and ensure that your child's maths abilities shine!

Time-slots available 課堂時間 (ONE lesson per week 每週一堂)		
Tue 14:00-15:10	Tue 15:20-16:30	Tue 18:00-19:10
Thur 18:00-19:10	Sat 18:00-19:10	

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初中數學及科學課程

Junior Secondary Maths and Science Courses

智愛數學班 Maths Classes

數學班緊貼香港中學數學課程，課堂教授刺激思維而又實用的估算、運算和驗算技巧，以及應對各種應用題的要訣。其實中學與小學的數學課程最大的分別就是代數所佔的比重，課程會以同學熟悉的數字和現實難題，探究代數的法則及現實意義，鍛煉同學的運算和解難技巧。幾何方面，同學亦會透過摺紙、作畫、製作立體模型等活動，把抽象的平面和立體圖形實體化，親手證明不同的幾何定理及應用各種求量的公式，並理解幾何在現實的功用。

Our Maths class is closely aligned with the secondary-level Maths curriculum, with practical and stimulating work on mental arithmetic and problem solving. Students will explore the rules and computational meaning of algebra using real-world examples of numbers and word problems, so as to hone their computation and problem-solving skills. They will also challenge their real-world understanding of geometry by constructing paper models, doing craft work, and measuring objects in the world around them, so as to appreciate the use of Maths in daily life.

Level 年級	Time-slots available 課堂時間 (ONE lesson per week 每週一堂)	
S1	<u>Mon 16:00-17:10</u> <u>Thur 14:00-15:10</u>	<u>Tue 15:20-16:30</u> <u>Thur 16:40-17:50</u> Sun 11:40-12:50
S2	Tue 15:20-16:30 <u>Thur 18:00-19:10</u>	Thur 15:20-16:30 Sat 18:00-19:10
S3	Tue 15:20-16:30 Wed 18:00- 19:10	Fri 18:00-19:10

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*網上課時段以螢光筆及底線標記。

海外升學課程 13+ Overseas School Admissions 13+

想親身體驗英國校園生活，為海外升學作準備嗎？我們幫助學生準備在以下階段到海外升學：第七級、第九級、第十二級及大學入學申請。學生亦可選擇於任何年級到海外就讀。

Experience UK school life and prepare for admission to the school that's right for you. There are three key stages for overseas studies: Year 7 (11+), Year 9 (13+), Year 12 (Sixth Form) and University. Join our dedicated courses for applications at these stages, or contact us to arrange tailored lessons if applying at another stage.

英國第9級預備課程：數學 Overseas School Admissions 13+ : Mathematics

Showcase your maths skills by learning the tricks to 13+ exams used by UK independent schools. Develop techniques to handle the word problems that often cause strong students to stumble. Become familiar with all the common non-verbal reasoning questions and the tricks to succeed at them.

幫助學生學習英國學校的數學課程要點，掌握文字題和邏輯推理題的考試技巧！

Time-slots available 課堂時間 (ONE lesson per week每週一堂)	
Tue 15:20-16:30	Fri 15:20-16:30
Wed 14:00-15:10	Fri 18:00-19:10

*Time-slots highlighted and underlined are available online.

*網上課時段以螢光筆及底線標記。

英國第9級預備課程：邏輯推理

Overseas School Admissions 13+: Non-verbal Reasoning

Showcase your maths skills by learning the tricks to 13+ exams used by UK independent schools. Develop techniques to handle the word problems that often cause strong students to stumble. Become familiar with all the common non-verbal reasoning questions and the tricks to succeed at them.

幫助學生學習英國學校的數學課程要點，掌握文字題和邏輯推理題的考試技巧！

Time-slots available 課堂時間 (ONE lesson per week每週一堂)	
Tue 15:20-16:40	Wed 18:00-19:10
Tue 18:00-19:10	Thur 14:00-15:10

英國第9級預備課程：科學

Overseas School Admissions 13+: Science

Build your child's scientific knowledge in key topics and develop their exam technique, written communication and analytical thinking to tackle the 13+ exams for entry to UK independent schools.

增補學生的科學知識，掌握應試及寫作技巧，加強分析能力。

Time-slots available 課堂時間 (ONE lesson per week每週一堂)	
Tue 18:00-19:10	Thur 18:00-19:10
Wed 14:00-15:10	Fri 15:20-16:30

*Time-slots highlighted and underlined are available online.

*網上課時段以螢光筆及底線標記。

高中數學課程 Senior Secondary Maths Courses

智愛DSE數學班 DSE Maths

DSE數學班以分析和熟習文憑(DSE)題目為主, 旨在釐清概念, 培養解難思維。課程另一核心是應試技巧, 導師將教授針對各個課題的多項選擇題(MC)技巧及長題目作答技巧。

Gain confidence in DSE Mathematics through analysis and drilling of HKDSE past papers. All HKDSE topics are covered in this course as well as exam skills for the full range of questions on the papers.

Level 年級	Time-slots available 課堂時間 (ONE lesson per week 每週一堂)
S4	Mon 17:20-18:30 Tue 18:00-19:10 Sat 18:00-19:10
S5	Tue 15:20-16:30 Thur 18:00-19:10 Fri 18:00-19:10
S6	<u>Wed 16:40-17:50</u> <u>Thur 15:20-16:30</u> Fri 15:20-16:30

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IGCSE Maths 數學班 / A-Level Maths 數學班

在IGCSE and A-Level Maths課程中，導師將鞏固學生對各個主題的認知，並通過試題和練習，教授學生所需的考試技巧。課程亦包括更具挑戰性的題目，以進一步增進學生知識，以及提升學生解難能力。

In both IGCSE and A-Level Maths, there are mainly two individual subjects, namely Maths and Additional / Further Maths. Our tutors will consolidate students' knowledge on the topics, then introduce exam skills with past examination questions and exercises. More challenging problems will be tackled to further enhance students' knowledge and problem solving proficiency.

	Level 年級	Time-slots available 課堂時間 (ONE lesson per week 每週一堂)
IGCSE Maths	S4	Tue 18:00-19:10 Thur 14:10-15:10
	S5	Tue 15:20-16:30 Wed 18:00-19:10
	S6	Wed 14:00-15:10 Thur 18:00-19:10
A-Level Maths	S4	Tue 14:00-15:10 Fri 15:20-16:30
	S5	Wed 18:00-19:10 Thur 14:00-15:10
	S6	Wed 15:20-16:30 Fri 18:00-19:10

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IB Maths 數學班

IB 數學課程中分為兩個分部，分析和方法及應用和理解。兩者均有標準及進階程度。在IB數學課程內，同學需要完成一個探索數學的校內評估，此要求學生能夠在一個自訂的研題寫一篇論文。

我們的IB數學課程中，同學將會鞏固概念並習得如何在考試及論文中應用這些概念。我們的導師會助同學在專題研習中選題、撰寫論文及回顧。

IB mathematics offers two streams, namely Analysis and Approaches(AA), and Applications and Interpretation(AI), both in SL and HL. There is also an internal assessment in IB Maths called the Maths Exploration, which requires students to write an essay on an optional math topic.

In our IB Math courses, students will learn the concepts and also acquire skills to apply them in exams and Exploration. Our tutors will also provide guidance in Maths Exploration throughout topic selection, report writing and work reviewing.

Level 年級	Time-slots available 課堂時間 (ONE lesson per week 每週一堂)		
S4	Tue 18:00-19:10	Wed 15:20-16:30	Sat 18:00-19:10
S5	Tue 15:20-16:40	Wed 18:00-19:10	Thur 14:00-15:10
S6	Tue 14:00-15:10	Thur 18:00-19:10	Fri 15:20-16:30

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*網上課時段以螢光筆及底線標記。

Our Centres

Tsim Sha Tsui Centre 尖沙咀中心

The i-Learner Tsim Sha Tsui centre covers 2 floors of the Ritz Plaza building, the 2nd and 8th, with a total of 12 classrooms. The centre offers English, Chinese, Maths, Latin, and Spanish courses and is supplemented with a library and tablets that facilitate the use of electronic resources.

地址: **2/F Ritz Plaza, 122 Austin Road, Tsim Sha Tsui, Kowloon, Hong Kong**
香港九龍尖沙咀柯士甸道122號2樓
電話: **3113 8815** WhatsApp: **9049 3014**

Wan Chai Centre 灣仔中心

The i-Learner Wan Chai centre is located on the 6/F of the OfficePlus building and consists of 9 classrooms. The centre offers English, Chinese and Spanish courses and is equipped with multiple tablets that facilitates the use of electronic resources. There is also a small reading corner that serves to entertain both parents and students as they wait for classes.

i-Learner Education Centre (Hong Kong Island)
地址: **6/F, 303 Hennessy Road, Wan Chai, Hong Kong Island, Hong Kong**
香港香港島灣仔軒尼詩道303號6樓
電話: **3611 8400** WhatsApp: **6468 8366**

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*網上課時段以螢光筆及底線標記。