

# Cambridge International General Certificate of Secondary Education - Computer Science (0478)

**Cambridge  
IGCSE**

The International General Certificate of Secondary Education (IGCSE) is the world's most popular international qualification for 14 to 16 year olds. It develops successful students, giving them excellent preparation for their next steps in education, including progression to A and AS Level study, and equips them with skills for immediate employment. Cambridge IGCSE is recognised by universities and employers worldwide.

Information and Communication Technology is an applied subject and all candidates will require frequent access to computer and Internet facilities to develop their skills.

## Curriculum Content

The curriculum content is set out in eight interrelated sections. These sections should be read as an integrated whole and not as a progression. The sections are as follows:

### Section 1

#### Theory of Computer Science

1. Data representation
2. Data transmission
3. Hardware
4. Software
5. The internet & its uses
6. Automated and emerging technologies

### Section 2

#### Practical Problem-solving and Programming

7. Algorithm design and problem-solving
8. Programming
9. Databases
10. Boolean logic

Futurekids studied the curriculum content and carefully divided the content into 8 different modules with the aim of facilitating the learning process of learners. The modules are as follows:

Modules	Section(s) Covered
Module 1: Fundamental Programming	7, 8
Module 2: Programming & Databases	8, 9
Module 3: Data Representation & Communication	1, 2, 3
Module 4: Computer Architecture & Software	3, 4, 10
Module 5: Internet Technologies & Security	5, 6

## Scheme of Assessment

*All candidates will be entered for Paper 1 and 2.*

### **Paper 1 Theory (1 hour 45 minutes)**

*This paper is consisting of short-answer and structured questions based on Section 1 of the syllabus content. All questions are compulsory and candidates are required to answer them on the question paper.*

### **Paper 2 Problem-solving and Programming (1 hour 45 minutes)**

*This paper is consisting of short-answer and structured questions set on Section 2 of the syllabus content. All questions are compulsory and candidates are required to answer them on the question paper. 20 of the marks in this paper are from questions based on tasks provided in the Paper 2 Problem-solving and Programming pre-release material.*

*Both papers will take place at FUTUREKIDS Computer Learning Center, by means of a CIE-set assessments, under controlled examination conditions. The documentation and printouts produced in the assessment will be externally marked by CIE.*

### **Weighting of Papers**

Paper	Weighting
1	50%
2	50%

## Examinations Schedule

*Examinations are held in June and November each year with results issued in August and February respectively.*

## Grading System

*Grading is on an eight-point scale (A\*–G) and grades A to E are equivalent to O Level grades A to E.*

## Recognition

*IGCSE is a high profile qualification. It has exactly the same value in admitting students to institutes of further education and employment as the UK equivalent – GCSE.*

- ◇ *IGCSE is comparable with GCE O Level and the UK GCSE*
- ◇ *IGCSE has an excellent reputation amongst international schools worldwide*
- ◇ *IGCSEs are recognised as a reliable record of attainment which counts towards entry to universities and colleges around the world*



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## Summer 2025 Application Form

I would like my child \_\_\_\_\_ to register for the Cambridge International General Certificate of Secondary Education - Computer Science (IGCSE - CS) the following modules/tests of:

Please ✓ in the appropriate boxes.

Module/Test	Course Code	Date & Time	Fee	Items Selected
M1: Fundamental Programming (I) & (II) (15 Lessons)	SDA21	Jul 2, 3, 4, 7, 8, (Wed - Tue) Jul 9, 10, 11, 14, 15, Jul 16, 17, 18, 21, 22 11:00 am - 01:00 pm	\$12,000	
M1 Module Test	SDA21A	Date to be confirmed	\$500	
M2: Programming & Databases (I) & (II) (15 Lessons)	SDA22	Jul 23, 24, 25, 28, 29, (Wed - Tue) Jul 30, 31, Aug 1, 4, 5, Aug 6, 7, 8, 11, 12 11:00 am - 01:00 pm	\$12,000	
M2 Module Test	SDA22A	Date to be confirmed	\$500	
Total				

Module/Test	Course Code	Date & Time	Fee	Items Selected
M3: Data Representation & Communication (10 Lessons)	SDA23	Jul 2, 3, 4, 7, 8, (Wed - Tue) Jul 9, 10, 11, 14, 15 02:00 pm - 04:00 pm	\$8,000	
M3 Test	SDA23A	Date to be confirmed	\$500	
M4: Computer Architecture & Software (10 Lessons)	SDA24	Jul 16, 17, 18, 21, 22, (Wed - Tue) Jul 23, 24, 25, 28, 29 02:00 pm - 04:00 pm	\$8,000	
M4 Module Test	SDA24A	Date to be confirmed	\$500	
M5: Internet Technologies & Security (10 lessons)	SDA25	Jul 30, 31, Aug 1, 4, 5, 6, (Wed - Tue) Aug 7, 8, 11, 12 02:00 pm - 04:00 pm	\$8,000	
M5 Module Test	SDA25A	Date to be confirmed	\$500	
Total				



## Cambridge International General Certificate of Secondary Education - Computer Science (0478)

**Payment:** You can pay by cash or crossed cheque payable to “FUTUREKIDS”

<b>Payment:</b> <i>(Official Use Only)</i>	<input type="checkbox"/> Cash    Receipt No: _____
	<input type="checkbox"/> Cheque No: _____ Bank: _____

### **Make-Up Class or Assessment Policy**

1. Students are required to attend ALL the enhancement lessons as scheduled. Those who fail to do so may fill in the “Make-Up Class/Assessment Application Form” and submit it with **HK\$200** administration fee seven days before the absent day. We shall notify you the exact make-up date and time after the receipt of application. Please note that we only accept **ONE** make-up application only.
2. Make-up date and time will be arranged according to our course time schedule, the number of students and the availability of teachers. Please note that we cannot arrange make-up upon individual’s demand.
3. “Make-Up Class/Assessment Application Form” is available at our school, or you may download it from our web site: **www.futurekids.com.hk**

My child \_\_\_\_\_ can / cannot <sup>#</sup> attend all the classes and assessments as scheduled.

If not, please refer to “**Make-Up Class or Assessment Policy**” above.

Parent Name: \_\_\_\_\_

Contact Tel: \_\_\_\_\_

E-mail: \_\_\_\_\_

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

**Futurekids Computer Learning Center (Sch Reg No: 29075, 29076)**  
**Registered Cambridge International School**  
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**(Centre No: HK071)**

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