

Cambridge IGCSE ICT

Syllabus Breakdown

Generic Information about IGCSE

Support from Exam Board = www.cie.org.uk/teachers

Make entries for this qualification through CIE Direct (Queries to international@cie.org.uk)

To find out how your organisation can become a Cambridge Centre email international@cie.org.uk

Assessment at a glance

Candidates take:

Paper 1 (2 hours)

Written paper which tests sections 1-8 of the curriculum content and assesses skills in AO2

All questions compulsory: mostly multiple choice or short answers.

100 marks weighted at 40% of total.

Paper 2 (2.5 hours)

Practical test assessing knowledge, skills and understanding of sections 9-16 of the curriculum content.

80 marks weighted at 30% of total.

Paper 3 (2.5 hours)

Practical test assessing knowledge, skills and understanding of sections 9-16 of the curriculum content.

80 marks weighted at 30% of total.

Practical Tests

- The 2 practical tests will comprise a number of tasks to be taken under controlled conditions.
- Practical tests focus on student's ability to carry out tasks rather than explain theory of how tasks were completed.
- Tests made available to Centres electronically.
- Candidates need to be entered and then CIE will contact us to provide instructions on how to download tasks at least 1 week before start of assessment period.
- Documentation and printouts produced during assessment are marked externally by CIE (Criteria used for marking is found in syllabus booklet section 5.1).
- See section 5.2 for procedures for conducting practical tests.

Hardware and Software Requirements

- Assessment of practical tests is software independent.
- Any hardware platform, operating system and applications can be used as long as they enable candidates to fully demonstrate all of the skills outlined in sections 9 to 16.
- Recommended that students have a working knowledge of HTML code. They may use web editing software to assist them but will be required to edit the code generated.

Availability

- Syllabus examined in May/June and again in October/November.

Assessment Objectives

Two assessment objectives:

AO1 Practical Skills (60%)

Candidates should be able to **demonstrate** their **ability** to **use** a range of software packages in practical and work-related scenarios.

AO2 Knowledge and Understanding (40%)

Candidates should be able to **demonstrate** their **knowledge** and **understanding** of the structure of ICT systems, their roles in organisations and their impact on society.

Theory Curriculum Content

Theory content is broken down into 8 sections:

1. Types and components of computer systems
2. Input and output devices
3. Storage devices and media
4. Computer networks
5. Data types
6. The effects of using ICT
7. The ways in which ICT is used
8. Systems analysis and design

Students should use generic terms for hardware and software and not brand names (“Word Processing” rather than “Microsoft Word” for example)

Practical Curriculum Content

Practical content is broken down into 8 sections:

- 9.** Communication (Email and Internet)
- 10.** Document Production (Word Processing)
- 11.** Data Manipulation (Databases)
- 12.** Integration
- 13.** Output Data
- 14.** Data Analysis (Spreadsheets)
- 15.** Website Authoring
- 16.** Presentation Authoring