

**Cambridge Technical
Level 3 ICT
Transition Work**

About the course

You will be completing the Cambridge Technical Introductory Diploma (A-Level Equivalent) course, following the Data Analyst pathway.

The first year is 100% exam-based, with the second year 100% coursework-based. This means that you have no ICT exams in Year 13!

Assessment

Year 12

In year 12, you will sit both examined units.

- Unit 1 – Fundamentals of IT (1 ½ hour January exam)
- Unit 2 – Global Information (1 ½ hour June exam)

Year 13

In year 13, you will complete three pieces of coursework:

- Unit 7 – Data analysis and design.
- Unit 11 – Systems analysis and design.
- Unit 22 – Big Data analysis.

Deadlines

The expectation of you is that you achieve Distinction grades in each piece of coursework. As long as you pass each exam, this means you will get a minimum of a Merit (C Grade) overall.

You will be given a weekly deadline schedule which you will be expected to follow. The following process is in place for deadlines missed:

- First instance – phone call home by your teacher. You will be given a deadline for completing the work.
- Second instance – phone call home by Mr Robinson (Head of ICT). Risk of you failing to pass the course discussed.
- Third instance – parents to come in for a meeting with Mr Robinson to discuss the concerns about your progress and the implications of non-compliance.

Grades (Introductory Diploma – whole A-Level)

Please note: This is indicative of requirements. It does not matter which way round exam or coursework grades are. Other combinations can result in the same grade. All units MUST be passed to achieve a grade of any level.

FINAL GRADE	EXAM 1	EXAM 2	COURSEWORK 1	COURSEWORK 2	COURSEWORK 3
D*	D	M	D	D	D
D	M	M	D	D	D
M	P	P	D	M	M
P	P	P	P	P	P

Grades (Certificate – half A-Level)

Please note: These grades are an indication of what is required for each grade. Both exams must be passed to achieve a Pass or higher.

FINAL GRADE	EXAM 1	EXAM 2
D*	D	D
D	D	M
M	M	M
P	P	P

The transition from GCSE to Level 3

1. Research 3 ICT-related jobs which require data analytic skills. For each one, state:
 - a. The job role.
 - b. The potential salary.
 - c. The skills that you currently have which are relevant.
 - d. Skills which you believe will be developed in the course.
 - e. Experience that you will need (work experience).

2. Research each of the following computer components. Explain the **purpose** of each component.
 - a. Processor
 - b. Motherboard
 - c. Storage (hard drive, solid state, flash)
 - d. Ports (USB, Firewire, Ethernet)
 - e. Memory (RAM, ROM, Cache)
 - f. Expansion cards (sound, network, graphics)

3. Create a document explaining the characteristics of each type of computer named below. For each, discuss where and how they are used, benefits and limitations, and scenarios where they would be appropriate to use.
 - a. Desktop
 - b. Tablet
 - c. Smartphone
 - d. Mainframe