

Why choose Cambridge Technicals: The course has been designed in collaboration with experts across the whole IT sector. The course focuses on the skills, knowledge and understanding required by today's universities and employers.

Future Prospects: All our students, in recent years, have gone on to good universities or, for some, equivalent level apprenticeships. We believe the course gives our students the best access to further education and the world of work in a full range of specialities, from business and project management, through to website design and computer graphics and animation. Students have gone on to do successful courses in business as well as programming, gaming and website creation. You are not restricted to ICT based courses (although there will always be an element of using computers on any university course). Students have gone on to courses as varied as photography and accountancy.

For further details on this course search for Cambridge Technicals Diploma in ICT 2016.

Enrichment Opportunities: Our facilities are available from before 8 in the morning and until we all leave after school. We encourage students to come into our classrooms whenever they are available. Students get full support from teachers across the department and there is always a good working classroom where students often support and help each other. By teaching each other students themselves make real progress.



What I will learn on this course: In all you will study a total of 11 units. The first three provide you with an insight into the IT sector, the pace of technological change, IT infrastructure, and the flow of information on a global scale, as well as the important legal and security considerations. Unit 3 cyber security reflects an important development in the sector around information security. You will consider how data should be protected and how the IT sector should respond to emerging threats such as cyber terrorism.

The Four Pathways

IT Infrastructure Technician

Typical job roles within this pathway include: IT technical support, database administrator, field technician, network technician, infrastructure technician, network planner or cloud technician.

Emerging Digital Technology Practitioner

Typical job roles within this pathway include; junior digital content developer, 3D graphics technician, virtual reality software technician, software developer, digital identity planners or digital content developer

Application Developer Technician

Typical job roles within this pathway include; web application developer, software engineer, mobile application developer, application developer or software analyst.

Data Analyst. IT Infrastructure Technician pathway

Typical job roles within this pathway include; data analyst, data quality analyst, Statistical data analyst, Big Data architect, Digital data analyst or Customer insight analyst.

We will make a choice together about which pathway we all follow. This is based on the students in the group and the specific interests of individual teachers.

Assessment and Examination:

A total of 11 units made up of four mandatory and seven optional units.

- **Three units mandatory units assessed by final external exam**
 - Unit 1 Fundamentals of IT – 90 Guided Learning Hours (GLH)
 - Unit 2 Global information – 90 GLH
 - Unit 3 Cyber security – 60 GLH
- **One mandatory unit from one of four pathways - internally assessed course work – 60 GLH**
- **Seven units from one of the four pathways (all students will do the same pathway which will be agreed once the group has been formed) – 7 x 60 GLH**

A total of 720 GLH for the duration of the course: the equivalent to 2 A levels.

Why choose Cambridge Technicals in ICT at Highbury Grove:

The ICT department contributes year on year to the continued success of the Highbury Grove Sixth Form. We are a friendly, supportive and effective team, with a thorough subject knowledge. Year on year the ICT Cambridge Technicals has proved popular with students across the borough. The qualification prepares you for the world of work in the 21st century as well as the prospect of study and some the country's leading Russell Group universities.



"I discovered how ICT affects our daily lives at every level. I have a fuller understanding of jobs and opportunities in the ICT sector."

Is this the course for you?:

The Diploma is the equivalent to two A levels and should be studied alongside other level 3 courses such as maths, English or Computer Science. The qualification is not just about being able to use computers. Employers need people who are able to help them develop their systems or the systems for their customers, use IT as a tool to analyse data and develop applications.

You will need A – Cs at GCSE in a range of subjects including Bs in English and maths.