



Summer School

Information Technology



Summer Activities - Information Technology

Application Developer - The qualification allows you to study IT in a context that enables you to learn and be assessed in ways that are practical and relevant to the IT sector. Employers have told us that they need people who are able to help them develop their systems or the systems for their customers, to use IT to strategically view the IT landscape and to exploit new technologies to gain business advantage. They have identified that future skills gaps need to be filled for new and emerging technologies. This qualification, therefore, is specifically designed to give you comprehensive knowledge, not available in the smaller qualification sizes, which will allow you to specialise with breadth and depth into more specialist and cutting-edge job roles across the sectors.

Subject content is delivered through a mixture of teacher led sessions as well as flipped learning in the form of group activities, IT based research and we use real life businesses to bring the subject alive.

Informal assessment is through in class tests known as KAGS during year 1 and year 2 as well as completing key pieces of homework and coursework. Your examinations start in year 1 Unit 1 January and Unit 2 May and Unit 3 in January of year 2 and are made up of two 1.5-hour exams, one will assess most of the Fundamentals of IT and the other the Global information. Second year exam is Cyber security. With two units of coursework Unit 6 Application developer and Web design and development

What makes a good Information Technology student?

Good Students have an appreciation of the technology that surrounds us in our everyday life, how it works and future trends. They enjoy practising the methods and techniques learnt in class in order to fully master them showing resilience and determination to develop a true passion for the subject. Meeting deadlines, attending revision sessions are characteristics of good IT students. Those who fully immerse themselves in every opportunity both inside and outside the classroom will go on to achieve excellent results.

Previous IT students explain their key to success:

Student 1 (Grade Distinction): Practice makes perfect in Information Technology, and you must read the detail to pick up on characteristics advantages and disadvantages also linking to real world examples understanding terms Hybrid, Obfuscation, and Hypervisor.

Student 2 (Grade Merit) – In Information Technology to really understand what everything means terminology is key and understanding how this technology works (networks) for example. You will need to learn about protocols and uses of networks and Website development.

What to Expect in your First Information Technology Lesson?

In your first lesson we will be looking at Hardware used in computers and Input and output devices will begin to understand the different types and advantages and disadvantages.

Be prepared to do independent research on topics and share this with your peers.

Multiple resources and your own dedicated SharePoint site will help in class activities.

Additional Reading:

- ✓ An A level student should develop a passion for their subject by going above and beyond what is delivered in the classroom by carrying out further reading.

- ✓ Really good websites - <http://www.teach-ict.com/>
- ✓ <http://www.teach-ict.co.uk/software/dreamweaver/dreamweaver.htm>
- ✓ <https://www.bbc.co.uk/bitesize/subjects/zfs3kqt>
- ✓ https://isaacomputerscience.org/concepts/sys_hard_secondary_storage
- ✓ Good revision resources My revision notes Cambridge technical level 3 IT (Mo Everett)
- ✓ **Summer Activities to Complete:**