



Edexcel Computing Level 3: BTEC

PROGRAMME AIM: This course is aimed at students who have an enthusiasm for using computers to solve problems and an interest in the impact computing has and will have on society. Computing is a major part of modern life and the ability to understand how computers work and what they can achieve is a major advantage in the workplace. The course aims to equip students with the skills to enable them to use computers effectively in the workplace or move onto higher education.

CONTENT:

Unit 2: **Fundamentals of computer systems(120hrs)
Exam 1hr 45 mins 80 Marks**

Learners study the fundamental principles of how computer systems work, including the role of hardware and software, the way components of a system work together and how data in a system is used.

Unit 7: **IT Systems Security and Encryption (60Hrs)
Coursework**

Learners will study IT system security threats and the methods used to protect against them. Learners undertake activities to protect IT systems from security threats, including data encryption.

ENTRY REQUIREMENTS / SUITABILITY:

GCSE Grades 5 - 8. ICT Grade Pass or above and English Grade 5 or above. Students will need good problem solving skills and good writing skills, for doing the coursework. GCSE Computing is very useful although not essential.

LEADS TO:

Study 2nd year Computing to gain a higher qualification, preparing you for the world of work or university. Computing is offered by universities either as a subject in its own right or in combination with a wide range of subjects, e.g.

Career Opportunities:
Software Engineer, Security Consultant, Network Manager.

ASSESSED / EXAMINED:

This course is 40% coursework and 60% examinations, some elements will require written evidence for assessment, some areas will require presentations either singly or as a group and some areas will require evidence of completion of practical tasks.

If you have any questions about the course You will need to speak to Mr Barr.