

Computing

You will develop a common core of computing knowledge and study areas such as computer systems, security and encryption, principles of computer science including programming and computational thinking.

BTEC Level 3 Nationals will provide you with:

- Modern, work-related qualifications with clear purpose and defined progression routes into higher education or employment
- The help you need to develop high-level skills employers and universities look for such as teamwork, creative thinking, and presentation skills
- The opportunity to build independent research and study skills essential for success at university and in the workplace

HOW WILL I BE ASSESSED?

Unit 2 Fundamentals of Computer Systems – externally set and examined – Combination of short answer questions, extended tasks and tasks requiring diagrammatical responses. This will assess learners technical and theoretical understanding as well as their analytical skills. 80 Marks 1 hour 45 Minutes

Unit 7 IT Systems Security and Encryption – internally set and assessed - Learners will need to complete assignments that are devised and marked internally which cover the learning aims of the unit.

Unit 1 Principles of Computer Science – externally set and examined – Combination of short answer questions, extended tasks and tasks requiring diagrammatical explanations and solutions. This will assess both their computing thinking skills and their understanding of the principals of computer science. 90 Marks 2 Hours.

Optional Unit – internally set and assessed – Learners will need to complete assignments that a devised and marked internally which cover the learning aims of the unit.

HOW WILL I BE TAUGHT?

Learning takes place through projects, practical assignments, group work and through simulating the world of work; this supports students in their development of employability skills, such as self-management.

The assessment criteria for each unit are carefully structured to set a clear level of demand. Distinction criteria encourage and require a depth of study, including demonstration of the application of knowledge and understanding as well as a synoptic element for the learning aim or unit.

WHY STUDY IT?

Computing has an immense impact on modern life. The job prospects are excellent and the field is rigorous, intellectually vibrant and multi-faceted. As well as traditional career routes such as Software and App Development, Computing nowadays plays an essential role in every possible discipline, from Entertainment to Communications, Medicine to Weather Forecasting, Design and Engineering to Criminology.

Level 3 BTEC

Board: Pearson

1 or 2 Year Course Available

ENTRY REQUIREMENTS

Our entrance requirements are 6 GCSE/ BTEC passes at Grade 4 (or equivalent) or above. It is also desirable for students to achieve a Grade 5 or above in the subject (or related subjects) that they wish to study at Sixth Form.

FOR MORE INFORMATION ON THIS SUBJECT

It is essential that you discuss your subject choices fully with teachers and parents.

The subject page is available to view below.



Contact Miss Summers
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