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Subject Information Sheet

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BTEC Level 3 National Foundation Diploma

INFORMATION TECHNOLOGY

What is the BTEC National Foundation Diploma?

Are you keen and have the interest in pursuing a career in Software Development, Programming, Website Development, Social Media, Games Design or Cyber Security, or you have a passion for IT and computing, then why not make the first step and join us on the Foundation Diploma in Information Technology.

This exciting and innovative course will help you to develop a range of modern computing and IT skills you need, from developing systems to manage information in business, creating innovative websites, programs and mobile apps, to producing your very own computer games. This course enables you to develop the skills and experience needed to start the career of your dreams.

The Foundation Diploma forms part of our Esports Pathway and is equivalent to 1.5 A Levels.

Course Content and Assessment:

6 units of which 4 are mandatory and 2 are external.

- Unit 1 - Information Technology Systems
- Unit 2 - Creating Systems to Manage Information
- Unit 3 - Using Social Media in Business
- Unit 4 - Programming
- Unit 6 - Website Development

One additional unit will be selected from the following:
- Computer Games Development
- Mobile Apps Development
- Data Modelling

Course Overview:

Extended Certificate Units:
- Unit 1 - Information Technology Systems
- Unit 2 - Creating Systems to Manage Information
- Unit 3 - Using Social Media in Business
- Unit 4 - Programming
- Unit 6 - Website Development

One Additional Unit from below will be selected based upon your strengths.

Unit 5: Data Modelling
You will investigate the fundamentals of the decision-making process. You will find out how using data modelling provides the computational ability to compare consequences, and determine a preferred course of action

Unit 7: Mobile Apps Development
In this unit you will investigate mobile apps, how they are used, why they are created, the differences between devices and the implications of creating and using software on mobile devices. You will study the design considerations inherent in mobile apps and general software design. You will design, develop, test and review a mobile app to fulfil a specific set of client requirements.

Unit 8: Computer Games Development
You will investigate the technologies used in the computer gaming industry and the implications they have for users, developers and organisations. You will analyse how user needs and preferences impact on game design and how target technologies affect the design and development of a computer game.

Learning Methods:

You will develop practical skills and a theoretical understanding of the world of IT. By the time you have completed the course you will have a good knowledge of the wide world of digital technologies and a practical skill set that will prepare you for the next stage in your IT career.

Career Opportunities:

Upon successful completion of the second year of this course you will be able to progress to a specialised university degree course or to an Information Technology apprenticeship or job. Examples of employment can include: - Junior/Apprentice Software Engineer - Junior/Apprentice Website Content Developer - Trainee Computer Animator - Junior/Apprentice Helpdesk Support.

The BTEC Nationals attract UCAS points.

Entry Requirements:

- Grade 4 or above in English and Maths.

- L2 qualification in a computer-based subject

Staff Contacts

Miss Charman - Assistant Headteacher Key Stage 5

Mrs Durrant - Student Development Champion Key Stage 5

Mr Edwards - KS5 Subject Teacher

Web Link Address
https://www.basildonupperacademy.org.uk/sixthform

Email: Sixthform@basildonacademies.org.uk