Subject: Information Technology

Level: Pearson Level 3 BTEC Information Technology

Course Outline

The Pearson Level 3 Alternative Academic Qualification BTEC National in Information Technology (Extended Certificate) allows students to study the fundamental knowledge of Information Technology covering the role and implications of using Information Technology systems and cyber-security threats and how to manage attacks. Students will also develop important skills for creating websites to meet a specific purpose and to manage data through the development of a relational database solution.

Who would be a successful student of IT?

This course will appeal to students who:

· enjoy asking questions about how and why things happen the way they do;

· are inquisitive and want to create IT systems

· are good at solving problems.

Career Opportunities

On completion of this course, students will be able to take on a range of careers such as developer, technical support or cyber security expert. They will have acquired skills in using web and database technologies that underpin the vast majority of IT systems today.

Course Structure

Unit 1: Information Technology Systems (exam)

Students will study the role of Information Technology (IT) systems and the implications of their use in personal and professional situations. Students will gain knowledge and understanding of issues relating to the use of IT in personal and professional situations

Unit 2: Cyber Security and Incident Management (exam)

Students will study cyber security threats and vulnerabilities, the methods used to protect organisations against threats and managing security incidents.

Unit 3: Website Development (coursework)

Students will investigate fundamental principles in website development. They will design and develop a website in response to a client brief

Unit 4: Relational Database Development (coursework)
Students will examine relational database development principles to understand the importance of data storage and normalisation techniques and apply their skills to design and develop data storage solutions to meet a client's requirements.

'