# 2017/18 Curriculum Plan – ICT

| | Term | Year 7 | Year 8 | Year 9 | Year 10 | Year 11 |
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| **Autumn** | 1 | **E-Safety**: Students will create a booklet covering issues such as: Staying safe online, Cyberbullying, Phishing, Copyright, Health and Safety | **What is a computer:** Students will create a booklet covering topics such as: Input/Output, RAM/ROM, CPU, Storage and Binary | **Graphics Project:** Students will create a Games CD cover using graphics software. During this project they will; Research designs for games covers, Design a games cover, Implement the games cover using advanced ICT Skills and evaluate their work. | **Unit 3 Artwork and Imaging:** This unit aims to give students the skills to use the tools and techniques provided by artwork and imaging software to design and create effective graphic products for specified purposes and audiences. Students will demonstrate their ability to create effective images and graphic products through their work on a major project set by Pearson. This will include exhibiting their work and supporting evidence in an eportfolio. | **Unit 2 and Theory 1;** The controlled assessment consists of a portfolio of work which shows students' attainment in obtaining and interpreting different types of information; using, developing and communicating information to meet the purpose of their studies and presenting the results of their work. This assignments will assess the practical aspects of the functional elements of ICT |
| | 2 | | **Websites-HTML** coding. Students will create a simple 3 page website using Notepad | | | |
| **Spring** | 3 | **Spreadsheets:** Students will format a spreadsheet, use simple formulas and advanced functions. | **Websites-Dreamweaver;** Students will create a website about bullying. The website will include; Roll over buttons, hyperlinks, hotspots and an animation | **Business Skills:** Students will use a variety of software packages to solve an of assortment business problems. | | **Unit 4 and Theory 3** This controlled assessment will give students the opportunity to develop a piece of work using multimedia software following a single task brief issued by WJEC. |
| | 4 | **Coding and Flowol:** Students will | **Micro bites:** Using Micro bites students | | **Unit 1 Developing web products:** This unit aims to give students the | **Theory Unit 1**: The examination paper will assess the requirements of the KS4 Programme of Study for |

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| | | use Logo to create shapes. They will produce their own procedures to repeat patterns. They will use Flowol to control traffic lights and a light house. | will code simple messages and games. | | knowledge and skills needed to produce attention grabbing web products using web authoring software, multimedia assets and navigation features. Students will demonstrate their ability to design, build and test a web product in a practical computer-based examination set by Pearson. | ICT and the functional elements of ICT in a home and school context. |
| Summer | 5 | **Databases:** Students will; Create a database, Interrogate the database, Produce forms and Reports. | **Database and Spreadsheets.** Students will build on skills learnt in Year 7 to develop a Spreadsheet and database. | **Creating a Website;** Students will select the presentation software to; design and implement a website for a given scenario. | | **Theory Unit 3** The examination paper will assess the "application" content of ICT in a business and industry context. |
| | 6 | **Video Editing:** Students will add text and credits to a video, they will add transitions and other effects. | **Code Combat:** Using the Code Combat website students will use the Python code language to advance through a combat game. | | | |