

KS3 ICT Curriculum Overview 2019 - 2020

Year	Module 1 & 2	Module 3 & 4	Module 5 & 6
7	<ul style="list-style-type: none"> • E-Safety • File and folder structure <ul style="list-style-type: none"> ○ File & folder names ○ File organisation • Word <ul style="list-style-type: none"> ○ Developing layouts ○ Applying labels, headers, footers, page numbers, bookmarks ○ Applying styles & formats ○ Adding, formatting and modifying tables, images, WordArt, charts ○ Improving work using Word tools; spell check, word count, find & replace, use of thesaurus 	<ul style="list-style-type: none"> • PowerPoint <ul style="list-style-type: none"> ○ Creating templates & consistent styles ○ Adding, formatting and modifying tables, images, charts and animated images ○ Applying slide animation, transitions and timings ○ Manual and automated animation & slide transitions ○ Cropping and modifying images ○ Navigation - using action buttons ○ Using internal and external hyperlinks ○ Adding sounds and audio to a show 	<ul style="list-style-type: none"> • Excel <ul style="list-style-type: none"> ○ Navigating Excel ○ Collecting and entering data ○ Adding, formatting and modifying cells ○ Creating a data table ○ Labelling data tables & sheets ○ Graphical representation of data ○ Applying basic formulas ○ Sorting and filtering data
8	<ul style="list-style-type: none"> • E-safety <ul style="list-style-type: none"> ○ Computer crime and security • PowerPoint <ul style="list-style-type: none"> ○ Inserting video, narration and audio ○ Insert screen recording ○ Create looping shows for an audience ○ Create Interactive PowerPoint Quiz/show ○ Create a touch screen user interface for a specific subject and audience • Graphics (Photoshop, Fireworks & Powerpoint) <ul style="list-style-type: none"> ○ Understanding Vector & bitmap graphics ○ Layered effects and enhancement ○ Magazine cover project 	<ul style="list-style-type: none"> • Excel <ul style="list-style-type: none"> ○ Create and conduct survey to gather information ○ Formatting and modifying cells ○ Apply conditional formats ○ Applying formulas to solve a problem ○ Using a Gantt chart to plan projects ○ Create data dashboard ○ Add drop down menus ○ Creating forms and adding form controls <ul style="list-style-type: none"> ▪ Drop down menus ▪ Spinners ▪ Check box ▪ Radio buttons 	<ul style="list-style-type: none"> • Flow diagrams & charts <ul style="list-style-type: none"> ○ Understanding data flow charts ○ Create digital solutions to problems • Game Programming (Scratch & Fusion 2.5) <ul style="list-style-type: none"> ○ Create basic characters & movement ○ Develop frame background ○ Apply conditions to characters and game objects ○ Add score, lives and timers ○ Create a multi-level game ○ Create intro page with page links ○ Create high score page ○ Create game as an exe. file to play on different platforms

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Year	Module 1	Module 2	Module 3
Yr11 BTEC Tech Award in Digital Information Technology	<p>Component 2: Collecting, Presenting and Interpreting Data</p> <ul style="list-style-type: none"> ○ Characteristics of data & information ○ Presenting information ○ Ensuring data is suitable ○ Data collection ○ Quality of information & impact on decision making <p><u>Assignment 4:</u> Data collection and analysis</p>	<p>Component 2: Collecting, Presenting and Interpreting Data</p> <ul style="list-style-type: none"> ○ Sectors that use data modelling ○ Threats to individuals ○ Data processing methods ○ Produce a dashboard <p><u>Assignment 5:</u> The dashboard</p>	<p>Component 2: Collecting, Presenting and Interpreting Data</p> <ul style="list-style-type: none"> ○ Drawing conclusions based on the data ○ How presentation affects understanding ○ Draw conclusions and review data presentation methods <p><u>Assignment 6:</u> Conclusion and recommendations based on analysis of data</p>
	Module 4	Module 5	Module 6
<p>Component 3: Effective digital working practices</p> <p>Modern Technologies</p> <ul style="list-style-type: none"> ○ Communication technologies ○ Features and uses of cloud storage ○ Features & storage of cloud computing ○ Platform & services impact on cloud technologies ○ How cloud & traditional systems are used together ○ Implications for organisations when choosing cloud technologies <p>Impact of modern Technologies</p> <ul style="list-style-type: none"> ○ Changes to modern teams via technology ○ Manage modern teams ○ Communicate with stakeholders ○ Inclusivity & accessibility ○ Positive & negative impact of technology on teams & individuals 	<p>Component 3: Effective digital working practices</p> <p>Cyber Security</p> <ul style="list-style-type: none"> ○ Prevention & management of treats to data ○ Security policies <p>The Wider implications of Digital Systems</p> <ul style="list-style-type: none"> ○ Responsible use ○ Legal & ethical ○ Net neutrality ○ Data protection ○ Intellectual property <p>Forms of Notation</p> <ul style="list-style-type: none"> ○ Data flow diagrams, charts & systems ○ Interpret forms of notation ○ Present using different forms of notation <p>Revision for external Examination</p> <p><u>External Assessment (Examination):</u> Effective digital working practices (1hr 30 mins)</p>		