

Class of 2024/2025 Curriculum Map

BTEC DIT

	1 2 3 4 5 6 7	8 9 10 11 12 13	14 15 16 17	18 19 20	0 21 22 23 24 25	26 27 28 29 30 31 32	33 34 35 36 37 38 39	
Post 16 Study	Progression to Level 3 BTEC qualifications or A Level Computer Science							
,	Component 3 Part A Component 3 Part B		Component 3 Part C		Component 3 Part D			
Year II	Modern Technologies: How current and modern technologies are used and have an impact on organisations and stakeholders.	Cyber Security: How the increased reliance of organisations on digital systems to hold data and perform vital functions presents a range of challenges and dangers.	1	of digital systems a ures that organisation conform to legal	-	Fyams	& finish school	
	AO.1/AO.2/A0.3/A0.4	AO.1/AO.2/A0.3/A0.4	AO.1/AO.2/A0	0.3/A0.4	AO.1/AO.2/A0.3/A0.4			
	Component I Part A	Component I Part B	Component I Pa	art C	Component 2 Part A	Component 2 Part B	Component 2 Part C	
Year 10	Investigate user interface design for individuals and organisations	Use project planning techniques to plan and design a user interface	Develop and review a user interface		estigate the role and impact of using data on individuals and organisations	Collecting, Presenting and Interpreting Data (use o spreadsheets to produce a dashboard including formulae, graphs, charts)	f Draw conclusions and review data presentation methods	
	A.1/A.2/A.3/A.4	B.1/B.2/B.3	C.1/C.2/C.3		A.1b/A.2/A.3b/A.4b/A.5/A.6/A.7	B.1b/B.2b	C.1b/C.2b	
	Functional Skills		Functional SI		nal Skills	Fun	ctional Skills	
Year 9	Internet research, spreadsheets, email, presenting information, internet security		Internet research, spreadsheets, email, presenting information, internet		presenting information, internet security	Internet research, spreadsheets, email, presenting information, internet security		
Pre- secondar								
,	National Curriculum and Assessment Objectives NC.1 design, use and evaluate computation NC.2 understand several key algorithms NC.3 use two or more programming langua NC.4 understand simple Boolean logic NC.5 understand the hardware and softwar computer systems NC.6 understand how instructions are stor computer system NC.7 undertake creative projects that invol combining multiple applications NC.8 create, re-use, revise and re-purpose audience NC.9 understand a range of ways to use ter responsibly and securely		ss.2 Select, interact of state		act with and use ICT systems safely remation storage to enable efficient riate search techniques nation from a variety of sources op and refine information riate software to meet requirements nications software d present information he selection, use and effectiveness of ICT	A1 What is a user interface, A2 Audience needs, A3 Design principles A4 Designing an efficient user interface, B1 Project planning techniques B2 Create a project plan, B3 Create an initial design, C1 Develop a user interface, C2 Refining the user interface, C3 Review A1b Characteristics of data and information, A2b Representing information A3b Ensuring data is suitable for processing, A4b Data collection A5 Quality of information and impact, A6 Sectors that use data modelling A7 Threats to individuals, B1b Data processing methods, B2b Produce a dashboard C1b Drawing conclusions based on data, C2 How presentation affects understanding AO.1 Demonstrate knowledge of facts, terms, processes and issues in relation to digital information technology AO.2 Apply an understanding of facts, terms, processes and issues in relation to digital information technology AO.3 Analyse, evaluate and make reasoned judgements about the use, factors and implications influencing digital information technology AO.4 Make connections with the concepts, issues, terms and processes in digital information technology		
	Curriculum Principles Balanced – Promotes intellectual, moral, spiritual, development as equally important. Rigorous – Seeks to develop intra-disciplinary habi way that is faithful to its discipline.	Coherent – Makes explicit connections and links between the different subjects/experiment encountered. Progression Model – Focuses on progression by carefully sequencing knowledge; proclarity about what getting better at a subject means (knowing and remember more) Appropriate – Looks to avoid making unreasonable demands by matching level of characteristics a student's current level of maturity/knowledge.		knowledge, identifies the big ideas or key concepts within a subject. Relevant – Seeks to connect the valued outcomes of the curriculum to the students being taught it; provides opportunities for students to make informed choices.				