

Whole School Curriculum Intent Statement: We build better people through: Developing the skills, knowledge and values to enable all students to be successful in their next steps.

Subject Curriculum Intent Statement: Develop skills and understanding of key computational ideas through experience and problem solving.

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
7	E- Safety	Computer Systems	Computational thinking	Flow diagrams with flowol	GUI programming in Scratch	Text-based programming
8	Cyber- Crime	Spreadsheets modelling	Networking	Databases	HTML	Text-based programming advanced
9	Modern Technologies	The Impact of Modern Technologies	Cyber Security Threats to Data	Prevention and management of threats to data	The Wider Implications of Digital systems	The Wider Implications of Digital systems
10 - CS	Systems Architecture	Algorithms/Producing Robust Programs/Programming techniques	Storage/Systems software/wired & wireless networks	NEA	Network topologies protocols and layers/ Data representation	Data representation/programming techniques
10 - Btec ICT	Component 2 Collecting, Presenting and Interpreting data	Component 2 Collecting, Presenting and Interpreting data	Component 3 Effective Digital Working Practices	Component 3 Effective digital working practices	Component 1 - Exploring User Interface Design Principles	Component 1 Project Planning Techniques
11 - Btec ICT	Component 2 Collecting, Presenting and Interpreting Data	Component 3 Effective Digital Working Practices	Component 2 Collecting, Presenting and Interpreting Data	Component 2 Collecting, Presenting and Interpreting Data Component 3 Effective Digital Working Practices	NA	NA
12 - CS	The characteristics of contemporary processors, input, output and storage device	Software and software development/Legal, moral, ethical and cultural issues	Exchanging data	Data types, data structures and algorithms	Elements of computational thinking	Problem solving and programming
13 - CS	NEA	NEA	Revision	Revision	Revision	Revision
12 - OCR Tech ICT	Project 1: Project development, AR and VR,digital marketing and social media.	Project 1: Project development, AR and VR,digital marketing and social media.	Project 1: Project development, AR and VR,digital marketing and social media.	Project 1: Project development, AR and VR,digital marketing and social media.	Project 1: Project development, AR and VR,digital marketing and social media.	Project 1: Project development, AR and VR,digital marketing and social media.
12 - OCR Tech ICT Double	Project 1 Unit 8: Product magement	Unit 3: Cyber security (January exam)	Project 1 unit 8:Product management	Project 1 unit 8:Product management	Unit 18 computer systems hardware	Unit 18 computer systems hardware
13 - OCR Tech ICT	Unit 1Fundamentals of ICT	Unit 2 Global information systems	Unit 2 Global information systems	Exam resit preperation	Exam resit preperation	Exam resit preperation
13 - OCR Tech ICT double	Project 2 internet of everything, developing planet,mobile technology	Project 2 internet of everything, developing planet,mobiletechnology	Project 2 internet of everything, developing planet,mobile technology	Exam resit preperation		