Curriculum Overview Computing

Medium term plans covered

	Autumn Term		Spring Term		Summer term	
	HT1	HT2	HT3	HT4	HT5	HT6
Year 7	ICT @ MFG	Scratch programming (beginners)	Inside your Computer	TuringLab FarmBot	Design with Canva	Algorithmic thinking
Year 8	Scratch programming (intermediate)	Intro to Spreadsheets	How computers work	TuringLab Smart Cities	Algorithms using Scratch	Adobe Photoshop
Year 9	ICT for Business (DIT Stadium Project)	Spreadsheets for Business (Cash Flow Profiit Loss)	ICT Enterprise Project (Start your own small business)	Databases	Big Data Dashboard	Multimedia using Adobe
Year 10 DIT	Component 1 User Interfaces	Component 1 User Interfaces	Component 1 User Interfaces (Exam Practice)	Component 2 Data Dashboard	Component 2 Data Dashboard	Component 2 Data Dashboard (Exam Practice)
Year 10 CS	1.1 Systems Architecture	1.2 Memory and Storage	1.3 Networks	1.4 Network Security	1.5 System Software	1.6 Ethical, Legal, Moral Uses
Year 11 DIT	Component 3 Effective Working Practices	Component 3 Effective Working Practices	Component 3 Effective Working Practices (Exam Practice)	Past Paper Revision	Past Paper Revision	Past Paper Revision
Year 11 CS	2.2 Programming Fundamentals	2.3 Producing Robust Programs	2.4 Boolean Logic / SQL	2.5 Languages and IDE	Past Paper Revision	Past Paper Revision
Year 12 IT	Unit 1Topic A: Explore how IT infrastructure meets the needs of organisations and their stakeholders (Assessment)	Unit 1 Topic B: Understand how organisations make use of data and information (Assessment)	Unit 1 Topic C: Develop policies for the use of IT within an organisation (Assessment)	Unit 1 Topic A, B, C Assessment	Unit 3 Topic A: Explore the impact of social media on the ways in which businesses promote their products and services (Assignment)	Unit 3 Topic B: Develop a plan to use social media in a business to meet requirements (Assignment)
Year 12 CS	1.1 Structure and Function of the Processor	1.2 System and Application Software	1.3 Protecting Networks	1.4 Analysis, Design, and Comparison of Algorithms	1.5 Computing Related Legislation	Past Paper Revision
Year 13 IT	Unit 3 Topic C: Implement the use of social media in a business (Assignment)	Unit 3 Topic A, B, C Assignments	Unit 11 Topic A: Understand cyber security threats, system vulnerabilities and security protection methods (Set Assignment)	Unit 11 Topic B: Explore the security implications of networked systems (Set Assignment)	Unit 11 Topic C: Develop a cyber security protection plan for a specified organisation (Set Assignment)	Unit 11 Topic A, B, C Set Assignment
Year 13 CS	2.1 Thinking Procedurally and Logically	2.2 Programming Techniques	2.3 Searching, Sorting and Path Finding Algorithms	NEA Project	Past Paper Revision	Past Paper Revision