Curriculum Sequencing Grid: *(KS3 – Y9 Information Technology)*

Year 9	Term 1	Term 2	Term 3
Unit (Tablet in 39 week plan)	• Computer Systems	• Cyber Security	• Spreadsheets
Key Retainable Knowledge (Required for Y11/13) • What... How.... Why....	• Students to be given an introduction to networks and data connections, including the internet.	• Students taught methods of cyber security attacks and how to prevent them.	• Students taught advanced spreadsheet skills, and links into data modelling.
Key Technical Vocabulary (To be modelled and deliberately practiced in context.)	• Network • Topologies • LAN • WAN • Workstation • NIC • Switch • Bridge • Gateway • Binary • Hexadecimal	• Cyberterrorism • Downloading • Encryption • Hacker • Network • Virus • Malware • Ransomware • Trojan • Worm • Phishing • Piggybacking • Shoulder Surfing • Vulnerability • Prevention	• Spreadsheets • Row • Column • Cell • Cell Reference • Active Cell • Label • Value • Currency • Borders • Shading • Formula • Function • Graph/Chart • What If Investigation • Format
Opportunities for Reading	• BBC BITESIZE • TEACH ICT • Twitter	• BBC BITESIZE • TEACH ICT • Twitter	• BBC BITESIZE • TEACH ICT • Twitter

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Developing Cultural Capital (exposure to very best- essential knowledge and skills of educated citizens – appreciation of human creativity and achievement.)	• Bebras • Hour of code	• Video of people working in Cyber Security	• Bebras • Hour of Code
Cross Curricular Links (Authentic Connections)	• Maths- binary/denary/hex conversions		• Maths – Spreadsheet skills, coordinates
Key Assessment	• SPA and CTG embedded into lesson structures.	• SPA and CTG embedded into lesson structures.	• SPA and CTG embedded into lesson structures.