Curriculum Sequencing Grid: *(KS3 – Y7 Computing)*

Year 7	Term 1	Term 2	Term 3
Unit (Tablet in 39 week plan)	• Introduction • Slave to Technology	• Spreadsheets	• Programming- Scratch • Computer Systems- Hardware • Computer Systems- Software
Key Retainable Knowledge (Required for Y11/13) • What... How.... Why....	• Students to familiarise themselves with the computer systems at Maltby Academy, and basic Presentation skills. • Students shown risks and dangers of working online and e-safety.	• Students taught basic spreadsheet skills, and links into data modelling.	• Students given introduction into programming techniques using block/non-textual programming. • Students given insight into the physical components of a computer setup. • Students given insight into the possible digital components of a computer setup.
Key Technical Vocabulary (To be modelled and deliberately practiced in context.)	• Presentation software • Username • Password • Moore's Law • Technology • Email • Attachment • Carbon Copy • Blind Carbon Copy • E-Safety • Cyber Bullying • Social Network • Addiction • Advantage • Disadvantage	• Spreadsheets • Row • Column • Cell • Cell Reference • Active Cell • Label • Value • Currency • Borders • Shading • Formula • Function • Graph/Chart • What If Investigation	• Non-Textual Programming • Stage • Sprite • Blocks • Costumes • Control • Motion • Event • Scripts • Sensing • Iteration • Broadcasting • Variables • Hardware • Software

	• Misuse • Security Risk • Preventing • Internet • Uniform Resource Locator	Format	• Input Device • Output Device • CPU • Motherboard • Peripheral • RAM • ROM • Operating System • Utility Software • Application Software
Opportunities for Reading	• BBC BITESIZE • TEACH ICT • Twitter	• BBC BITESIZE • TEACH ICT • Twitter	• BBC BITESIZE • TEACH ICT Twitter
Developing Cultural Capital (exposure to very best- essential knowledge and skills of educated citizens – appreciation of human creativity and achievement.)	• Bebras • Hour of Code.	• Bebras • Hour of Code	• Bebras • Hour of Code • Litebot
Cross Curricular Links (Authentic Connections)	• Life Skills – E-Safety	• Maths – Spreadsheet skills, coordinates	• Maths – Programming skills - equations
Key Assessment	• SPA and CTG embedded into lesson structures.	• SPA and CTG embedded into lesson structures.	• SPA and CTG embedded into lesson structures.

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