

Skill	Logo	Year 7	Year 8	Year 9	Year 10 Core	Link to GCSE/BTEC/KS4 NC
Spreadsheets, Databases & Applications		Unit: Unit 5 Harry Potter Spreadsheet Assessment: Project demonstrating basic formatting and formulae skills within a multiple workbook spreadsheet Unit: Unit 1 Welcome to Computing Assessment: End of unit Project demonstrating the skills to use essential tools with a presentation software package	Unit: Unit 6 Spreadsheet Quizzes Assessment: Project demonstrating advanced formatting, conditional formatting and advanced formulae which builds upon the skills learnt during year 7	Due to the rotation with music we no longer have time in the SOW to do spreadsheets or database theory or skills. This is covered solely in Y7 and Y8	Year 10 Computing Day: Completing the spreadsheet budget make task	BTEC IT L2 - Unit 2 Spreadsheets BTEC IT L3 – Unit 2 Databases KS4 Computing NC – Budget Spreadsheet
Graphics & Websites		Unit: Unit 6 Movie Trailers Assessment: End of unit Project demonstrating video editing techniques layering images, text and audio and then compression of multiple multimedia elements into one file	Unit: Unit 3 Graphics Assessment: Demonstrate the knowledge of how images are created in binary, the different image types and the advantages of using each. Assessment based on creation and manipulation of both vector and bitmap images over a range of tasks. Unit: Unit 4 Out & Up Assessment: Demonstrate the knowledge of how websites are designed and the layout and appearance affect user numbers. Assessment based on creation and design of an outdoor pursuit website	Unit: Unit 2 Websites Assessment: Demonstrate the knowledge of website design and have the skills to design a website for a given client brief. Students to be assessed on a website created following the theory of impact on environment due to technology. This covers ethics content from both IT and CS course.	Year 10 Computing Day: Completing the computational thinking lesson using abstraction when creating images	BTEC L2 IT - Unit 1 user interfaces BTEC L3 IT – Unit 6 Websites KS4 Computing NC – Game Graphics
E-Safety		Unit: Unit 3 Are you safe? Assessment: Project demonstrating understanding of Cyber Bullying, Social Engineering and Malware. Also links to graphics section as evidence of understanding is presented using desktop publishing software	There are no dedicated units to E-Safety during year 8 Core IT due to curriculum time restrictions however there is a whole school internet safety week where students learn about issues surrounding being safe online	Unit: Unit 3 What are you sharing? Assessment: Showing the understanding of more grown up E-Safety topics developing on issues learnt about in year 7 such as grooming and sexting.	Year 10 Computing Day: Completing the Social media lesson learning about the significant and negative impacts on young people.	National Curriculum requirements GCSE Computer Science - Unit 1 Security KS4 Computing NC – Social Media Dangers
Logic, Algorithms & Programming		Unit: Unit 2 Scratch Assessment: The tasks include assisted block building logic and programming tasks that concentrate on logical thinking and problem solving Unit: Unit 4 Y7 Coding Assessment: Theory-based assessment at the end of the unit testing them on the basic programming techniques, key terminology and basic knowledge.	Unit: Unit 2 Y8 Coding Assessment: Students complete a theory-based assessment at the end of the unit testing them on the main programming techniques, key terminology and basic knowledge. This builds on the Y7 Coding unit but this time includes iteration and lists and further develops their understanding of algorithms and key programming terminology	Unit: Unit 1 Y9 Coding Assessment: Students complete a theory-based assessment at the end of the unit testing them on the main programming techniques, key terminology and basic knowledge. This builds on the coding unit in year 8 but adds functions and does further practical tasks to deepen understanding of programming	Year 10 Computing Day: Completing the Computational Thinking lesson looking at algorithms.	GCSE Computer Science - Exam 2 - Unit 1 Algorithms GCSE Computer Science - Exam 2 - Unit 2 Logic & Languages KS4 Computing NC – Algorithmic Thinking
Computer Science (Hardware, Software, Security, Networking & Data, Ethics)		Unit: Unit 3 Are you safe? Assessment: Project demonstrating understanding of Cyber Bullying, Social Engineering and Malware. Mainly links to security section as there are two lessons dedicated to different types of malware and different social engineering techniques	Unit: Unit 1 Understanding Computers Assessment: Paper based test to demonstrate understanding of different hardware components that make up a computer Unit: Unit 5 Computer Science Assessment: Test to demonstrate understanding of networks, Binary, logic gates and Python text based programming which builds on the knowledge gained in the unit 4 in year 7.	Unit: Unit 2 Websites Assessment: Demonstrate the knowledge of website design and have the skills to design a website for a given client brief. Students to be assessed on a website created following the theory of impact on environment due to technology. This covers ethics content from both IT and CS course.	Year 10 Computing Day: Completing the Artificial Intelligence lesson learning about the ethics and mechanics of AI in society.	GCSE Computer Science - Exam 1 – Unit 3 Networking GCSE Computer Science - Exam 2 – Unit 4 Data Representation GCSE Computer Science – Programming Project KS4 Computing NC – Big Data