



	EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Term 1	 Mouse and Trackpad Skills This includes clicking, navigating using the movement of the mouse and dragging and dropping. The activities aim to support children in developing the handeye coordination skills and finemotor required to operate a mouse effectively. A typical laptop trackpad is also introduced. 	Online safety: Logging in and passwords. Saving work and user spaces. Grouping and sorting: In real life then on cpus.	Coding : Children start to understand what an algorithm is (a set of instructions) Children understand what debugging is and can debug a simple program.	Coding : Recap/review on learnt knowledge. Children to learn how to set timers and use repeat function. Learn how to code, test and debug.	Coding : Recap/review on learnt knowledge. Children to learn how to use IF/ELSE functions. Implementing co-ordinates. Making a simple game.	Coding : Recap/review on learnt knowledge. Exploring computer science and vocabulary within it. Exploring decomposition and abstraction. Introducing strings (different variables)	Coding : Design and make a playable game. Inserting a timer and score function. Inserting text into the game.
Term 2	 Keyboard Skills This includes simple typing, capital letters and function keys such as 'enter'. Activities are included that match lower-case and capital letters as most keyboards that children encounter will contain capital letters. It also includes recognising different fonts for example, an 'a' written a or a. Children can also combine mouse skills and typing skills using the mouse or arrow keys to control the cursor when writing. 	Pictograms: Looking at how we can sort data using pictures. Basic instructions for programming: Looking at instructions and how to follow them on a cpu.	Online safety: How to search for information. What is email and how to use it. What is a digital footprint. Spreadsheets: Review/recap from Y1. Copying and pasting. How to represent/analyse data (simple bar charts)	Online safety: Setting a safe password. Fact or fiction on the internet. Appropriate content and ratings. Spreadsheets: How spreadsheets can automatically create graphs/charts. Using more than and Spin Button Tools.	Online safety: Keeping personal information safe. Malware. Plagiarism. Healthy screentime.	Online safety: Online behaviour. Protecting privacy. Reliable sources.	Online safety: Online behaviour and cyber bullying. In game messaging and dangers. Screen time and its impact on health.
Term 3	 Drawing skills This includes choosing pens and style and composing drawn images on screen. It also includes the undo function. The use of a tablet is suggested as well as a mouse to enable children to mark make using touch. Robots Most early years classroom have access to floor robots; ideas are included for structured play with robots, starting with toy vehicles initially. There are also ideas that start to develop children's logical processing skills in terms of following and creating instructions and making predictions. 	Creating algorithms : Using directional keys to create movement. Debugging: How to amend an instruction to make it work properly. Animation: Knowing the difference between e- books and real books. Adding basic animations, sounds and effects.	Questioning: Using binary to create ayes or no questioning program. Effective searching: Gain a better understanding of searching the internet.	Keyboard and typing: How to use a keyboard and type efficiently. Email: How to respond to messages. Email safety. Attachments.	Spreadsheets: Looking at line graphs. How spreadsheets can be used for budgeting. Using spreadsheets for place value (maths link) Writing for audiences: (English link) Fonts. Newspaper articles.	Spreadsheets: Converting measures (maths link) How spreadsheets can be used for event planning. Using formula function. Databases: How to search them. Create a class database.	Spreadsheets: Exploring probability (maths link) How spreadsheets can be used for event planning and budgeting. Applying discounts. Blogging: What is blogging and why it is used. Planning and writing a blog. Sharing posts and commenting.
Term 4	Sounds These ideas make use of recording tools 	Coding: Children can plan and make a simple computer program.	Using cpus to create artwork: (Art focused unit) Looking at different artists (One	Branching databases: Creating a branch database for questioning with multiple	Logos: How and why logos ae used. How to use a simple logo program	Game creation: Planning a game. Creating an environment.	Text adventures: Creating a story based adventures that has different scenarios and