|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Year Group** | **Autumn 1** | **Autumn 2** | **Spring 1** | **Spring 2** | **Summer 1** | **Summer 2** |
| **FY** | **Digital Literacy**  **Introduction to Online Safety**  **Digital Literacy**  **Computer Skills**  **Intent: Children will be able to log in and use the computer independently and begin to understand the importance of not sharing passwords.** | **Computer Science**  **Beebots**  **Intent: To be able to explore simple coding and debugging skills.** | **Information Technology**  **Exploring Mini Mash**  **Intent: To increase independence when logging in and selecting a program of their choice.** | **Information Technology**  **Exploring Simple City**  **Intent: To visit different areas and find comparisons with their own experiences and environments of those around them.** | **Information Technology**  **Exploring and using media and materials**  **Intent: To improve mouse control using a variety of different programs including painting and music making.** | **Information Technology**  **Technology at Home**  **Intent: To think about what technology is used in their homes.** |
| **Year 1** | **Digital Literacy**  **Online Safety & Exploring Purple Mash – 1.1**  **Intent:**  **To understand the importance of logging in safely and protecting your personal information.**  **4 lessons** | **Computer Science**  **Bee-Bots – Moving a Robot (Teach Computing)**  **Intent:**  **To be introduced to what an algorithm is and explore the use of commands identifying what each floor robot command does.**  **6 lessons** | **Information Technology**  **Pictograms 1.3**  **Intent: To understand that data can be represented in picture format.**  **3 lessons** | **Information Technology**  **Animated Story Books - 1.6**  **Intent: To introduce e-books and add animation, sound and backgrounds to a story before sharing it.**  **5 lessons** | **Computer Science**  **Coding – 1.7**  **Intent: To understand what coding means, introduce 2code and design a scene for a program using collision detections.**  **6 lessons** | **Information Technology**  **Spreadsheets – 1.8**  **Intent: To introduce spreadsheets, adding images and using the speak and count tools.**  3 lessons  **Digital Literacy**  **Technology Outside School – 1.9**  **Intent: To walk around the local community and find and record examples of where technology is used.**  **2 lessons** |
| **Year 2** | **Digital Literacy**  **Online Safety – 2.2**  **Intent: To know how to refine searches, introduce 2email as a communication tool and understand that information put online leaves a digital footprint.**  3 lessons  **Information Technology**  **Effective Searching – 2.5**  Intent: **To understand the terminology associated with searching and gain a better understanding of searching on the internet.**  **3 lessons** | **Computer Science**  **Programming A Robot Algorithms**  **Intent:**  **To show an understanding of instructions in sequences and use of logical reasoning to predict outcomes. To begin to design algorithms and test these algorithms as programs and debug them.**  **6 lessons** | **Information Technology**  **Creating pictures – 2.6**  **Intent: To recreate art from a variety of artists digitally using 2Paint.**  **5 lessons** | **Information Technology**  **Making Music – 2.7**  **Intent: L.O. To be introduced to making music digitally using 2Sequence and create their own tune using the sounds which they have added to the sounds section.**  **3 lessons** | **Information Technology**  **Powerpoint (office)**  **Intent: To use basic computer skills to organise ideas for a presentation with text, formatting images and then present and print presentation.**  **5 lessons** | **Computer Science**  **Coding – 2.1**  **Intent: To understand what an algorithm and debugging is and create a complex program that tells a story**  **6 lessons** |
| **Year 3** | **Digital Literacy**  **Online Safety – 3.2**  **Intent: To know what makes a safe password, why PEGI restrictions exist and where to turn for help if necessary.**  **3 lessons**  **Information Technology**  **Touch Typing – 3.4**  **Intent:**  **To introduce typing terminology and understand the correct way to use the keyboard**  **2 lessons (condense the 4 lessons into 2)** | **Information Technology**  **PowerPoint (3.9)**  **Intent:**  **To create an engaging presentation that includes different media, timings, transitions, formatted text and then be able to present effectively.**  **5/6 lessons** | **Computer Science**  **Micro:bits**  Intent:  **To write and debug programs that meets design criteria, identify solutions to problems and use logical reasoning to identify the output of a program.**  **4 lessons** | **Information Technology**  **Email (Including Email safety) 3.5**  **Intent: To think about different methods of communication and write and explore emails.**  **6 lessons** | **Information Technology**  **Branching Databases – 3.6**  **Intent: To create a branching database of the children’s choice.**  **4 lessons** | **Coding - 3.1**  **Intent: To design, write and program that simulates a physical system and understand and debug programs.**    **6 lessons** |
| **Year 4** | **Digital Literacy**  **Online Safety – 4.2**  **Intent: To understand how they can protect themselves online and the importance of balancing game and screen time.**  **4 lessons**  **Information Technology**  **Effective Searching – 4.7**  **Intent: To locate information on the search results page and assess whether a source is true and reliable.**  **3 lessons** | **Information Technology**  **Word Processing (Office)**  **Intent: To use basic computer skills, keyboard shortcuts and insert and format text boxes.**  **6 lessons** | **Computer Science**  **Logo – 4.5**  **Intent: To use and build procedures in logo and show an understanding of the language.**  **4 lessons** | **Information Technology**  **Animation – 4.6**  **Intent: To learn how animations are created and be introduced to stop motion animation.**  **3 lessons** | **Information Technology**  **Data loggers**  **Intent:**  **To understand how and why data is collected over time. To collect data and use the computer to review and analyse data.**  **6 lessons** | **Computer Science**  **Coding - 4.1**  **Intent: To understand if/else statements, variables and the use of the repeat commands and tigers and to explore how 2code is to be used.**  **6 lessons** |
| **Year 5** | **Digital Literacy**  **Online Safety - 5.2**  **Intent: To gain a greater understanding of the impact sharing digital content can have and know how to maintain secure passwords.**  **4 lessons**  **Information Technology**  **Databases – 5.4**  **Intent: To learn how to search for information and create a database around a chosen topic.**  **4 lessons** | **Information Technology**  **Microsoft Word (Office)**  **Intent: To be able to present information in a variety of ways.**  **8 lessons** | **Computer Science**  **Microbits**  **Intent: To combine inputs, random numbers, variables and logic to make a computer simulation of a real-world game.**  **4 lessons** | **Information Technology**  **Spreadsheets – 5.3**  **Intent: To use a spreadsheet to plan an event**  **6 lessons** | **Computer Science**  **Coding – 5.1**  **Intent: To create a playable competitive game and create a program to inform others.**  **6 lessons** | **Information Technology**  **3D modelling – 5.6**  **Intent: To explore the effect of moving points when designing and understand printing and making.**  **4 lessons**  **Information Technology**  **Concept Maps – 5.7**  **Intent: To create a collaborative concept map and present this to an audience.**  **4 lessons** |
| **Year 6** | **Digital Literacy**  **Online Safety – 6.2**  **Intent: To identify benefits and risks of mobile devices, review the meaning of digital footprint and understanding the importance of balancing screen time.**  **2 lessons**  **Computer Science**  **Text Adventures – 6.5**  **Intent: To code their own story based adventure.**  5 lessons | **Computer Science**  **Networks – 6.6**  **Intent: To find out what a LAN and WAN are and find out about the age of the internet and what the future might hold.**  **3 lessons** | **Computer Science**    **Microbits**  **Intent: To design and develop a project that uses inputs and outputs on a controllable device.**  **4 lessons** | **Digital Literacy**  **Blogging – 6.4**  **Intent: To identify the purpose of writing a blog, understand how to write a blog, contribute to a blog and the importance of commenting on blogs. (optional)**  **4 lessons** | **Computer Science**  **Coding – 6.1**  **Intent: To design and write a more complex program introducing functions, user input and making a text based adventure.**  **6 lessons** | **Information Technology**  **Spreadsheets (Office)**  **Intent: To enter data and formulae into a spreadsheet, use a spreadsheet to solve problems and design a spreadsheet for a specific purpose.**  **8 lessons** |

Digital Literacy

Information Technology

Computer Science

Online Safety – All year groups to fit an online safety lesson it at the beginning and end of each half term using project evolve.