|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **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.