

Year 1 Computing Curriculum



Autumn	Computing systems and networks: Improving Mouse Skills	Programming: Algorithms Unplugged
Year 1	- Log in and log out means to begin and end a connection with a computer - A computer and mouse can be used to click, drag, fill, select, add backgrounds, text, layers, shapes and clipart. - Passwords are important for security and to keep us safe.	- An algorithm is when instructions are put in an exact order. - Decomposition means breaking a problem into manageable chunks, which is important in computing. - Errors in an algorithm are called bugs and fixing these is called debugging.
Spring	Skills showcase: Rocket to the Moon	Creating media: Digital Imagery
Year 1	- When we create something on a computer it can be more easily saved and shared than a paper version. - Some of the simple graphic design features of a piece of online software. - A spreadsheet is an electronic table for sorting data.	- Holding a camera or device still and considering angles and light are important to taking good pictures. - Photographs can be edited, cropped and filtered. - How to search safely for images online.
Summer	Data handling: Introduction to Data	Code.org
Year 1	- Charts and pictograms can be created using a computer. - A branching database is a way of classifying a group of objects. - Computers understand different types of input.	- Use appropriate terminology when referring to a computer mouse, trackpad, or touchscreen. - Articulate an algorithm for a daily task - Decode and run a program created by someone else - Identify and address bugs or errors in sequenced instructions - Translate an algorithm into a program - Experiment with standard block-based programming actions such as: clicking, drag and drop, etc. - Build a computer program from a set of written instructions - Choose appropriate debugging practices when solving problems. - Construct a program by reorganising sequential movements - Recognise problems or "bugs" in a program and develop a plan to resolve the issues. - Sequence commands in a logical order.