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| Computing enquiry | Computers and using computers | E-Safety | Coding | Networks | Net searching | Vocabulary |
| * Understand use of algorithms * Write and test simple programs * Use logical reasoning to make predictions * Organise, store, retrieve and manipulate data * Communicate online safety and respectfully * Recognise uses of IT outside of school * To create, open, save and print work * Begin to use a variety of keyboard controls | * recognise common uses of IT beyond school * use technology to purposely create, organise, store, manipulate and retrieve digital content * use technology to purposely create digital content comparing the benefits of different programs | * use technology safely and keep personal information private | * use logical reasoning to predict the behaviour of simple programs * create simple programs * create and debug simple programs * debug simple programs by using logical reasoning to predict the actions instructed by the code * understand that programs execute by following precise and unambigious instructions | Not applicable | Not applicable | Algorithm, digital, devices, computer, computing, logical, organise, store, retrieve, data, online safety, programme, programs, reasoning, create, open, print, keyboard controls, benefits, personal information, simple, code, debug, |
| Challenge   * Create a presentation in small groups and record narration * Record sounds into software and playback * Insert pre-recorded sounds into a presentation * Capture still and moving images | | | | | | |
| Knowledge and understanding E-safety | Algorithms and programs | | Data retrieving and organising | | Communicating | |
| -know the difference between email and communication systems such as blogs  -know that websites sometimes include pop-ups that can take them away from main site  -know to use bookmarking  -begin to evaluate websites and know that not everything on the internet is true  -know that it is not always possible to copy text and pictures from the internet. | - predict outcomes of a set of instructions  -use right angle turns  -use repeat command  -test and amend sets of instructions  -write a simple program and test it  -predict what the outcome of a simple program | | -find information on a website  -click links in a website  -print a web page to use as research  -experiment with text, pictures and animation to make a simple slide show  -use shape tools to draw | | -send and reply to messages sent by a safe email partner  -word process a piece of text  -insert/ delete a word using mouse and arrow keys  -highlight text to change it (B, U,I) | |
| Cultural Capital | | | | | | |
| Communication  Safety online  Opportunities for inclusion through technology use | | | | | | |