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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
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| 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 |
| CommunicationSafety onlineOpportunities for inclusion through technology use |