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| Computing enquiry | Computers and using computers | E-Safety | Coding | Networks | Net searching | Vocabulary  |
| * Design and write programs to achieve specific goals, including solving problems
* Use logical reasoning
* Understand computer networks
* Use internet safely and appropriately
* Collect and present data appropriately
* Create a folder: locate and save work within it
* Use cut, copy and paste
 | * recognise familiar forms of input and output devices and how they are used
* make efficient use of familiar forms of input and output devices
* with support select and use a variety of software to accomplish goals
 | * use technology safely and respectfully, keeping personal information private
* use technology safely and recognise acceptable and unacceptable behaviour
 | * design, write and debug programs that control or simualte vitrual events
* use logical reasoning to explain how some simple algorithms work
 | * understand that computer networks enabling the sharing of data and information
* understand that the internet is a large network of computers and that information can be shared between computers
 | * use simple search technologies
* use simple search technologies and recognise that some sources are more reliable than others
 | 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, achieve, networks, folder, cut, copy, paste, input, output, software, design, networks, search technologies, |
| Challenge-search by keyword using child friendly search engines-bookmark a page into your favourites-contribute to a class blog-use repeat command in logo to create a pattern |
| Knowledge and understanding E-safety | Algorithms and programs | Date retrieving and organising | Communicating | Using the internet | Databases | presentation |
| -understand the need for rules to keep them safe when exchanging learning and ideas online-use strategies to verify information-understand the need to keep personal information and passwords private -follow the school’s safer internet rules | -experiment with variables to control models-use 90 and 45 degree turns-give onscreen robot directional instructions-draw a square, rectangle and other regular shapes-write more complex programs | -review images on camera and delete unwanted-download images from camera to file-use photo editing software (crop and add effects)-manipulate sound  | -use the email address book-open and save an attachment  | -find relevant information by browsing a menu-search for an image, then copy and paste to document-use ‘save picture as’ to save image to computer-use copy and paste text-use note making skills to decide what text to copy | -input data into a prepared database-sort and search a database to answer questions-use a branching database | -create presentation that moves from slide to slide, aimed at a specific audience-combine text, images and sound and show audience awareness-know how to manipulate text, underline, centre text, change font and size and save text to folder |
| Cultural capital |
| CommunicationSafety onlineOpportunities for inclusion through technology use |