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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 | | | | | | |
| Communication  Safety online  Opportunities for inclusion through technology use | | | | | | |