**Knowledge and Skills Map – Computing – Digital Literacy**



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|  | **Knowledge** | **Units** | **Subject Aspects** |
| **NURSERY** |  |  |  |
| **RECEPTION** |  |  |  |
| **Year 1** | * Do they recognise the different forms of digital communication (e.g., emails address, twitter handle etc)? * Can they program using sequences of instructions to implement an algorithm? * Can they understand the appropriate vocabulary according to equipment available? * Can they develop awareness and use of keyboard layout and use navigation skills appropriately (e.g. backspace, enter, spacebar, mouse)? | Computing systems and networks – Technology around us  Programming A – Moving a robot  Programming B - Programming animations  All units  Computing systems and networks – Technology around us  Creating media – Digital writing | Digital Literacy  Computer Science  Digital Literacy, Information Technology, Computer Science  Information Technology |
| **Year 2** | * Can they communicate safely online (e.g., reply to email, respond to tweet)? * Can they create, edit and format text (insert/delete words, use bold/italics/underline)? | Computing systems and networks – IT around us  Project Evolve – Online relationships  Computing systems and networks – IT around us  Creating media – Digital photography | Digital Literacy  Information Technology |
| **Year 3** | * Can they open and send an attachment? * Can they find relevant information by browsing a menu? * Can they search for an image, then copy and paste it into a document? * Can they copy and paste text into a document? * Do they know how to manipulate change font and size)? * Can they save files (e.g., word doc, pictures) to an appropriate folder? | Creating media – Desktop publishing  Creating media - Stop-frame animation  Data and information – Branching databases  Project Evolve – Managing online information  Cornerstones Themed Units  Creating media – Desktop publishing  Creating media - Stop-frame animation  Cornerstones Themed Units  Creating media – Desktop publishing  Cornerstones Themed Units  Creating media – Desktop publishing  All units | Digital Literacy  Digital Literacy, Information Technology  Information Technology  Information Technology  Information Technology |
| **Year 4** | * Can they identify the benefits of ICT to send messages and to communicate? * Can they use the automatic spell checker to edit spellings? * Can they use a search engine to find a specific website? * Do they know how to manipulate text (e.g. underline, text, centre, change font and size? * Can they navigate using an internet browser (e.g., use tabbed browsing to open two or more web pages at the same time, open a link to a new window)? | Computing systems and networks – The Internet  Project Evolve – Self-image and identity  Project Evolve – Online relationships  Year 3 - Creating media – Desktop publishing  All units  Computing systems and networks – The Internet  Project Evolve – Managing online information  Cornerstones Themed Units  Year 5 - Computing systems and networks - Systems and searching  Creating media – Photo editing  Cornerstones Themed Units  Year 3 - Creating media – Desktop publishing  All units / Cornerstones Themed Units  Project Evolve – Managing online information | Digital Literacy, Information Technology  Information Technology  Digital Literacy, Information Technology  Information Technology  Digital Literacy, Information Technology |
| **Year 5** | * Can they conduct a video chat with someone elsewhere in the school or in another school? * Can they use bullets and numbering tools? * Can they use a search engine using keyword searches? * Can they compare the results of different searches?      * Can they download a document and save it to the computer? * Can they decide which sections are appropriate to copy and paste from at least two web pages? | Assemblies  Creating media - Video production  Project evolve – Online relationships  All units / Cornerstones Themed Units  Computing systems and networks - Systems and searching  Creating media – Introduction to vector graphics  Project evolve - Managing online information  Computing systems and networks - Systems and searching  Data and information – Flat-file databases  Project evolve - Managing online information  All units / Cornerstones Themed Units  Computing systems and networks - Systems and searching  Creating media – Introduction to vector graphics  Project evolve - Managing online information  Cornerstones Themed Units | Digital Literacy, Information Technology  Information Technology  Digital Literacy, Information Technology  Digital Literacy, Information Technology  Digital Literacy, Information Technology  Digital Literacy, Information Technology |
| **Year 6** | * Can they contribute to discussions online? * Can they use a search engine using keyword searches? * Can they confidently choose the correct page set up option when creating a document? * Can they confidently use text formatting tools, including heading and body text? * Can they use complex searches such as ‘+’ ‘OR’” Find the phrase in inverted commas”? | Computing systems and networks - Communication and collaboration  Creating media – Web page creation  Project evolve – Online relationships  Computing systems and networks - Communication and collaboration  Creating media – Web page creation  Project evolve - Managing online information  Project evolve – Copyright and ownership  Computing systems and networks - Communication and collaboration  Data and information – Spreadsheets  Creating media – Web page creation  Data and information – Spreadsheets  Data and information – Spreadsheets | Digital Literacy, Information Technology  Digital Literacy, Information Technology  Information Technology  Information Technology  Information Technology, Computer Science |