**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 usProgramming A – Moving a robotProgramming B - Programming animationsAll unitsComputing systems and networks – Technology around usCreating media – Digital writing | Digital LiteracyComputer ScienceDigital Literacy, Information Technology, Computer ScienceInformation 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 usProject Evolve – Online relationshipsComputing systems and networks – IT around usCreating media – Digital photography | Digital LiteracyInformation 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 publishingCreating media - Stop-frame animationData and information – Branching databasesProject Evolve – Managing online informationCornerstones Themed UnitsCreating media – Desktop publishingCreating media - Stop-frame animationCornerstones Themed UnitsCreating media – Desktop publishingCornerstones Themed UnitsCreating media – Desktop publishingAll units | Digital Literacy Digital Literacy, Information TechnologyInformation TechnologyInformation TechnologyInformation 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 InternetProject Evolve – Self-image and identityProject Evolve – Online relationshipsYear 3 - Creating media – Desktop publishingAll units Computing systems and networks – The Internet Project Evolve – Managing online informationCornerstones Themed UnitsYear 5 - Computing systems and networks - Systems and searchingCreating media – Photo editingCornerstones Themed UnitsYear 3 - Creating media – Desktop publishingAll units / Cornerstones Themed UnitsProject Evolve – Managing online information | Digital Literacy, Information TechnologyInformation TechnologyDigital Literacy, Information TechnologyInformation TechnologyDigital 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?
 | AssembliesCreating media - Video productionProject evolve – Online relationshipsAll units / Cornerstones Themed UnitsComputing systems and networks - Systems and searchingCreating media – Introduction to vector graphicsProject evolve - Managing online informationComputing systems and networks - Systems and searchingData and information – Flat-file databases Project evolve - Managing online informationAll units / Cornerstones Themed UnitsComputing systems and networks - Systems and searchingCreating media – Introduction to vector graphicsProject evolve - Managing online informationCornerstones Themed Units | Digital Literacy, Information TechnologyInformation TechnologyDigital Literacy, Information TechnologyDigital Literacy, Information TechnologyDigital Literacy, Information TechnologyDigital 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 collaborationCreating media – Web page creationProject evolve – Online relationshipsComputing systems and networks - Communication and collaborationCreating media – Web page creationProject evolve - Managing online informationProject evolve – Copyright and ownershipComputing systems and networks - Communication and collaborationData and information – SpreadsheetsCreating media – Web page creationData and information – SpreadsheetsData and information – Spreadsheets | Digital Literacy, Information TechnologyDigital Literacy, Information TechnologyInformation TechnologyInformation TechnologyInformation Technology, Computer Science |