Computing Vertical Concepts

Information Technology

Year 1
Sort, collate, edit and store simple digital content e.g. children can name, save and retrieve their work and follow simple instructions to access online resources, use Purple Mash 2Quiz example (sorting shapes), 2Code design mode (manipulating backgrounds) or using pictogram software such as 2Count.

Year 2
Demonstrate an ability to organise data using, for example, a database such as 2Invesitigate and can retrieve specific data for conducting simple searches. Edit more complex digital data such as music compositions within 2Sequence. Confident when creating, naming, saving and retrieving content. Use a range of media in their digital content including photos, text and sound.

Year 3
Carry out simple searches to retrieve digital content. They understand that to do this, they are connecting to the internet and using a search engine such as Purple Mash search or internet-wide search engines. Collect, analyse, evaluate and present data and information using a selection of software, e.g. using a branching database (2Question), using software such as 2Graph. Consider what software is most appropriate for a given task. Create purposeful content to attach to emails, e.g. 2Respond.

Year 4
The function, features and layout of a search engine. Appraise selected webpages for credibility and information at a basic level. Able to make improvements to digital solutions based on feedback. Make informed software choices when presenting information and data. Create linked content using a range of software such as 2Connect and 2Publish+. Share digital content within their community, i.e. using Virtual Display Boards.

Year 5
Search with greater complexity for digital content when using a search engine. Able to explain in some detail how credible a webpage is and the information it contains. Able to make appropriate improvements to digital solutions based on feedback received and can confidently comment on the success of the solution. e.g. creating their own program to meet a design brief using 2Code. Objectively review solutions from others. Collaboratively create content and solutions using digital features within software such as collaborative mode. Able to use several ways of sharing digital content, i.e. 2Blog, Display Boards and 2Email.

Year 6
Apply filters when searching for digital content. Explain in detail how credible a webpage is and the information it contains. compare a range of digital content sources and are able to rate them in terms of content quality and accuracy. Critical thinking skills in everyday use of online communication. Make clear connections to the audience when designing and creating digital content. Design and create their own blogs to become a content creator on the internet, e.g. 2Blog. Use criteria to evaluate the quality of digital solutions and are able to identify improvements, making some refinements.