Hartford Primary School

Computing Planning – revised 2025

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|  | **Creating Media** | **Programming**  | **Data & Information** |
| **Year 1** | Digital PaintingChoosing appropriate tools in a program to create art, and making comparisons with working nondigitally. | Moving a robotWriting short algorithms and programs for floor robots, and predicting program outcomes. | Grouping DataExploring object labels, then using them to sort and group objects by properties. |
| **Year 2** | Digital PhotographyCapturing and changing digital photographs for different purposes. | Programming quizzesDesigning algorithms and programs that use events to trigger sequences of code to make an interactive quiz. | PictogramsCollecting data in tally charts and using attributes to organise and present data on a computer. |
| **Year 3** | Desktop Publishing Creating documents and modifying text, images and page layouts for a specific purpose. | Sequencing soundsCreating sequences in a block-based programming language to make music. | Branching DatabasesBuilding and using branching databases to group objects using yes/no questions. |
| **Year 4** | Photo EditingManipulating digital images, and reflecting on the impact of the changes and whether the required purpose is fulfilled, | Repetition in ShapesUsing a text-based programming language to explore count-controlled loops when drawing shapes. | Data LoggingRecognising how and why data is collected over time, before using data loggers to carry out an investigation, |
| **Year 5** | Vector DrawingCreating images in a drawing program by using layers and groups of objects | Selection in Physical ComputingExploring conditions and selection using a programmable microcontroller. | Flat-File DatabasesUsing a database to order data and create charts to answer questions |
| **Year 6** | Webpage CreationDesigning and creating webpages, giving consideration to copyright, aesthetics and navigation. | Variables in GamesExploring variables when designing and coding a game. | Introduction to SpreadsheetsAnswering questions by using spreadsheets to organise and calculate data. |