Uplands Computing Progression of Skills 2021-2022

Digital Data Handler
National Curriculum Objectives   **Co2/1.6** Select, use and combine a variety of software (including internet services) on a range of digital devices to design and create a range of programs, systems and content that accomplish given goals, including collecting, analysing, evaluating and presenting data and information.

Prior Learning (Year 2)	Vocabulary	Apps & Links
Co2/1.4 Use technology purposefully to create, organise, store, manipulate and retrieve digital content.	-Questions -Graphs -Charts -Save -Retrieve -Database -Construct -Contribute -Record -Present -Data -Spreadsheet -Analyse -Process -Store -Toolbar -Investigate -Integers (and/or </>) -Input -Variables -Control -Table -Format -Keyboard Shortcut	Google Forms Google Sheets Excel Kahoot

Progression of Skills
Digital Data Handler

Knowledge:
-I know how to use search technologies effectively.
-I understand how results are selected and ranked, and be discerning in evaluating digital content
-I know how to select, use and combine a variety of software (including internet services) on a range of digital devices to design and create a range of programs, systems and content that accomplish given goals, including collecting, analysing, evaluating and presenting data and information.

Year 2	Year 3	Year 4	Year 5	Year 6
Skills:	**Skills:**	**Skills:**	**Skills:**	**Skills:**
-I can sort digital objects into a range of charts such as Venn diagrams, carroll diagrams and bar charts using different apps and software. -I can orally record myself explaining what the data shows me. -I can create a branching database using questions. -I can use the tools - image, lock, move, cell, speak, totalling, equals and count -I can copy and paste -I can create money calculations on a spreadsheet -I can collect data and produce a graph.	- I can create my own sorting diagram and complete a data handling activity with it using images and text. - I can start to input simple data into a spreadsheet. - I can create a feelings chart exploring a story or character's feelings. -I can search a ready-made database to answer questions. -I can collect data to help me answer a question. -I can add to a database. -I can make a branching database. -I can use a data logger to monitor changes and can talk about the information collected.	-I can create my own online multiple choice questionnaire. • I can input data into a spreadsheet and export the data in a variety of ways: charts, bar charts, pie charts. -I can organise data in different ways. -I can collect data and identify where it could be inaccurate. -I can plan, create and search a database to answer questions. -I can choose the best way to present data to my friends. -I can use a data logger to record and share my readings with my friends.	-I can create and publish my own online questionnaire and analyse the results. - I can use simple formulae to solve calculations including =sum and other statistical functions. -I can edit and format difference cells in a spreadsheet. -I can use a spreadsheet and database to collect and record data. -I can choose an appropriate tool to help me collect data. -I can present data in an appropriate way. -I can search a database using different operators to refine my search. -I can talk about mistakes in data and suggest how it could be checked.	-I can write a spreadsheet formula to solve more challenging maths problems. -I can create and publish my own online quiz with a range of media (images and video) -I can plan the process needed to investigate the world around me. -I can select the most effective tool to collect data for my investigation. -I can check the data I collect for accuracy and plausibility. -I can interpret the data I collect. -I can present the data I collect in an appropriate way. -I can use the skills I have developed to interrogate a database.