



Year 1 Computing

Summer 2: We Are Detectives (Using data to solve clues)

Session	National Curriculum Statement	WALT	Learning Outcomes (Success Criteria)	Resources	Vocabulary
<p>Subject Cultural Capital = Using & Applying computing knowledge to solve problems</p> <p>Differentiation = please see the differentiation for the EXC EM & SEND (Please see SEND pupils IEPs when planning)</p> <p>Minimum expectations to check for understanding during lessons = targeted questioning / mini whiteboards/ peer talk /thumb signs</p> <p>Long term memory skill development strategy = LAST, LAST, LAST linked to the WALT</p> <p>Literacy & Numeracy skills development = ICT vocabulary bank linked to the WALT & include numeracy skills where they are linked to the WALT in the weekly planning</p>					
<p>Online Safety: Pupils are introduced to the idea of databases being used to collect, store, process and retrieve personal information. The unit provides an opportunity to make pupils aware that they have their data held in databases used by the school and to discuss some of the issues raised by this. Pupils learn about the dangers of giving personal information on online forms, particularly if we have no clear idea of where this data is held and to what purposes it might be put. They should only give information if they know it is safe to do so</p>					
1. Getting to know the data	Use technology purposefully to create, organise, store, manipulate and retrieve digital content.	To explore a dataset and understand the structures of data.	Children can ask the best questions to eliminate cards from a set of data cards.	Chromebooks Laptops/Desktops Microsoft Excel iPads	Database Record Field filtering
2. Structuring the data on a computer	Use technology purposefully to create, organise, store, manipulate and retrieve digital content.	To explore a dataset as virtual cards in Popplet	Children can arrange a set of data cards into groups or categories.	Chromebooks Laptops/Desktops Microsoft Excel iPads Popplet	Database Record Field Filtering

Session	National Curriculum Statement	WALT	Learning Outcomes (Success Criteria)	Resources	Vocabulary
3. Organising data into a tree	Use technology purposefully to create, organise, store, manipulate and retrieve digital content.	To create a tree for identification of data	Children are able to make sub groups of data. Children create a classification tree.	Chromebooks Laptops/Desktops Microsoft Excel iPads	Database Record Field Filtering tree
4. Creating a table	Use technology purposefully to create, organise, store, manipulate and retrieve digital content.	To input data into an online form in order to create a table.	Children know examples of how databases are used in school to store information. Children know where data is stored and who has access. Children should know about safety online and in sharing information.	Chromebooks Laptops/Desktops Microsoft Excel iPads	Database Record Field Filtering Tree table
5. Filtering the data	Use technology purposefully to create, organise, store, manipulate and retrieve digital content. Use technology safely and respectfully, keeping personal information private; identify where to go for help and support when they have concerns about content or contact on the internet or other online technologies.	To create filters to identify subsets of the data	Children can explain their algorithm- the steps they go through to answer a question. Children know that two filters can be combined to reduce the number of possibilities.	Chromebooks Laptops/Desktops Microsoft Excel iPads	Database Record Field Filtering Tree table
6. Searching for pirates	Use technology purposefully to create, organise, store, manipulate and retrieve digital content. Use technology safely and respectfully, keeping personal information private; identify where to go for help and support when they have concerns about content or contact on the internet or other online technologies.	To search the spreadsheet database to solve clues about the pirates	Children know about the real life uses of databases. Children know what databases their information may be on.	Chromebooks Laptops/Desktops Microsoft Excel iPads	Database Record Field Filtering Tree table