

The Flourish Federation—Knowledge Organiser

Brookfield Infant and Junior Schools



Computing Focus:	Information Technology — Data & Data Representation	Year 1 Rotation A	Term 1
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What? (Key Knowledge)
I recognise that digital content can be represented in many forms.
I distinguish between forms of digital content and can explain the different ways they can interpret information.
I begin to appreciate that data can be structured into tables to make it more useful.
I organise, store, edit and manipulate data in a range of digital formats

Useful Web Links
https://www.purplemash.com/sch/brookfield-infant Children all have home access. Log in details are in the front of Reading Record books.


What? (Activities)
I recognise that digital content can be represented in many forms. Children look at simple pictograms to understand how they can be used to show information.
I distinguish between forms of digital content and can explain the different ways they can interpret information. Children will look at a simple pictogram (emotions) They can answer questions by looking at the pictures. Eg How many children are feeling happy?
I begin to appreciate that data can be structured into tables to make it more useful. Collect data on favourite animals (pets) using a class tally chart. Children transfer data into their own pictogram using purple mash 2 graph.
I organise, store, edit and manipulate data in a range of digital formats. Use purple mash 2 graph. Children can explore bar graphs, pie charts and line graphs and save their graphs to own folders in Purple Mash.

What? (Key Vocabulary)

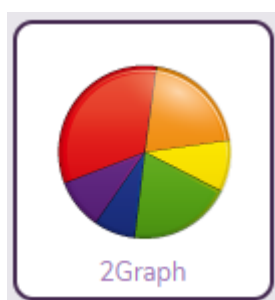
Spelling	Definition
Data	Facts and statistics collected together to provide information
Collate	To collect and combine (information)
Pictogram	A diagram that uses pictures to represent data
Tally chart	A quick way of organising data.
Frequency	How often something occurs
Bar Graph	A graph using bars showing numbers independent from each other.
Pie chart	A type of graph, in which a circle is divided into sections

Cross-Curricular Links

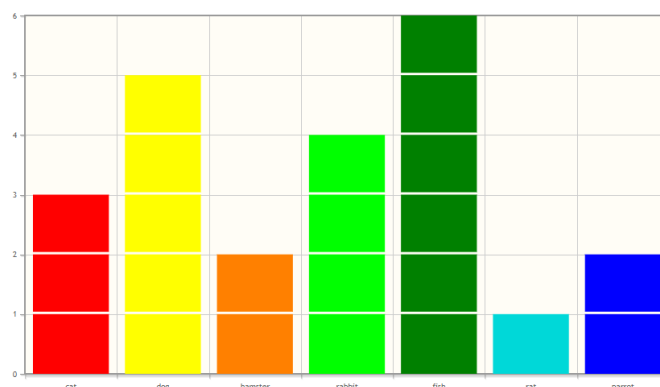
Maths -1:1 correspondence

Science -Naming animals

Visuals



Pets



Item	Number	
cat	3	
dog	5	
hamster	2	
rabbit	4	
fish	6	
rat	1	
parrot	2	