**St Paul's Church of England Primary School**
"Don't let anyone look down on you because you are young but set an example for the believers in speech; in conduct; in love; in faith and in purity."
(1 Timothy 4:12)

| Subject: Computing | Year group: 2   Term: Spring 2 | Title: Data Handling |
|---|---|---|

## What should I know?

- That IT can be used to sort items and information
- That IT can be used to add to and change charts and graphs quite easily
- That we can ask simple yes or no questions to help us sort data
- That word processing software can be used to represent information.
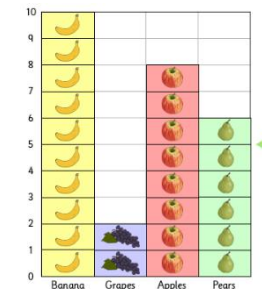- How to select text in order to make simple changes e.g. colour, style and size
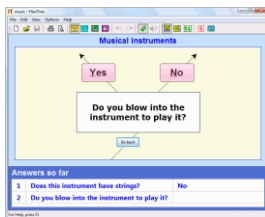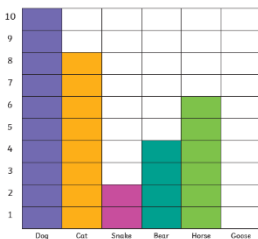
## Facts I will learn …

- That IT can be used to sort items and information
- That IT can be used to create and display charts and graphs
- That IT can be used to add to and change charts and graphs quite easily
- That unless data has been entered accurately it cannot be used to provide correct answers to questions
- To use branching databases to sort and identify items
- To know what voice activated searching is
- To know the difference between things that are imaginary, made up and things that are true/real
- To use key words in search engines

| Favourite Animal | Number of Children |
|---|---|
| Dog | 10 |
| Cat | 8 |
| Snake | 2 |
| Bear | 4 |
| Horse | 6 |
| Goose | |

## Key questions …

- What are some different types of graph?
- What is data and how can I show it using a computer?
- How can I classify these items?
- Does data need to be entered accurately?
- How can we use ICT to create a graph or chart?
- What is voice activated searching?
- Is this imaginary or real?
- What key words can I use to search?

## Key Skills…

- To develop classification skills by carrying out sorting activities
- To use simple graphing software to produce pictograms and other basic tables, charts or graphs
- To use graphing software to enter data and change a graph type, e.g. pictogram to bar chart
- To interpret the graphs, discuss the information contained and answer simple questions
- To sort and classify a group of items by asking simple yes / no questions
- To use a branching database program to sort and identify items
- To use basic search tools in a prepared database to answer simple questions e.g. how many children have brown hair?

## Web links

## Experiences that school may provide:

- Data collecting activities linked to the topic
- The opportunity to take part in typing club

pictogram tally chart block diagram table bar chart line graph pictogram tally chart block diagram table bar chart line graph pictogram tally chart block diagram table bar chart line graph

## Experiences that could be provided at home…

- Carry out a simple data collection at home or with friend, such as favourite

## Key vocab          Definition

| Key vocab | Definition |
| --- | --- |
| Graph | Graphs are drawings that show mathematical information with lines, shapes, and colours. People use graphs to compare amounts of things or other numbers. |
| Sort | To place or to separate items into groups or types. |
| Classify | To arrange into groups of similar things. |
| Software | Any of the programs that are written to operate a computer. |
| Database | A large collection of information in a computer. In a database, information is arranged so that it can be quickly changed or searched through. |
| Question | A sentence or pharse that asks for information |
| Branching Database | A chart to classify groups of objects using yes/no questions |
| Search | To attempt to find something/somebody |

| | | | |
|---|---|---|---|
| | colours, sorting toy cars and record the results in a graph on the computer | **Voice Activated** | A device able to be controlled by spoken commands |
| | | **Imaginary** | Existing only in your mind or imagination |
| | | **True** | Something which is correct and connected with facts |