Handling Data

Year 1	Year 2	KS2 - range	Year 3	Year 4	Year 5	Year 6
Sort and classify objects, demonstrating the criterion used.	Sort objects and classify them using more than one criterion.	Collect, represent and interpret data:	Classify objects, numbers or shapes according to two criteria and display on a Carroll or Venn diagram.	Use Venn and Carroll diagrams to display information about shapes or numbers.		
Collect data and make and organise a table. Make and organise a list	Gather information and record results in simple lists, tables, diagrams and block graphs.	*Collect data from a variety of defined purposes, including those that arise from their own questions, and from a variety of sources.*	Collect data and make a simple frequency table. Use data from a frequency table and a bar chart with vertical axes labelled in ones, then twos.	Extract and interpret information presented in simple tables and lists. Construct and interpret bar charts and pictograms. Collect data and make a tally chart. Interpret a bar chart with the vertical axis marked in multiples of 2,5,10 or 20.	Test a hypothesis about the frequency of an event by collecting data. Make a simple database on paper. Draw and interpret frequency diagrams.	Collect discrete data and group data where appropriate. Test a hypothesis by interrogating data in a prepared computer database. Draw and interpret a line graph, in which intermediate values have meaning.
Collect information by voting or sorting and represent it by drawing or placing objects or pictures.	Collect data and make a simple block graph. Make a simple pictogram where the symbol represents one unit.	*Use and present data in a variety of ways including tables, pictograms, charts, bar charts, line graphs, diagrams, text and ICT.*	Decide which data to collect and make a simple pictogram where the symbol represents two units. Use a simple graphing program to enter and display data.	Use data collected in another subject and make a pictogram where the symbol represents several units.	Construct and interpret simple line graphs.	Interpret simple pie charts, such as those showing the data in a computer database. Interpret graphs, diagrams and pie charts.
		Calculate and use the mode, median, mean and range of a set of discrete data.			Use the mode and the range of a set of data.	Begin to find the mean of a set of data. Use the mode and median as characteristics of a set of data.
		Understand and use probability: *Use everyday language for early ideas of probability.*			Use cross-curricular opportunities to discuss events which have a good/poor chance of happening. Understand and use simple vocabulary associated with probability.	Discuss events which might have two equally likely outcomes, and events with two or more equally likely outcomes.
		Know the likelihood of an event lies between impossible and certain.				Discuss the difference between the theory of outcomes and the actual results.