



# Knowledge and Progression in Statistics

Year Group	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
<b>Interpreting data</b>		Interpret and construct simple pictograms, tally charts, block diagrams and simple tables	Interpret and present data using bar charts, pictograms and tables To be able to select own simple scale	Interpret and present discrete and continuous data using appropriate graphical methods, including bar charts and line graphs	Complete, read and interpret information in tables, including timetables <u>calculate and interpret the mean, mode and median as an average</u>	Interpret and construct pie charts, line graphs and <u>conversion graphs</u>
<b>Extracting info from data</b>		Ask and answer simple questions by counting the number of objects in each category and sorting the categories by quantity Ask and answer questions about totalling and comparing categorical data To be able read and compare data using many –to-one correspondence in pictograms with simple ratios 2,5,10	Solve one-step and two-step questions [for example, ‘How many more?’ and ‘How many fewer?’] using information presented in scaled bar charts and pictograms and tables To be able to read simple scales on pictograms, including pictures represented as $\frac{1}{4}$ and $\frac{1}{2}$	Solve comparison, sum and difference problems using information presented in bar charts, pictograms, tables and other graphs	Solve comparison, sum and difference problems using information presented in a line graph <u>To be able to interpret information in a pie chart</u>	Use pie charts and line graphs to solve problems <u>To be able to interpret scatter graphs</u>
<b>Key vocabulary</b>		Count, tally, sort, vote, graph, block graph, pictogram, represent, group, set, list, table, label, title, most popular, most common, least popular, least common	Carroll diagram Chart, bar chart, frequency table, Venn diagram, axis, axe	Continuous data, line graph	Mean, mode, median, pie chart, construct	Scatter graph, conversion graph