Year group and term	Statistics objectives	Measurement objectives	Science objectives
Y1		Ma1/3.1a compare, describe and solve practical problems for: i. lengths and heights [for example, long/short, longer/shorter, tall/short, double/hal] ii. mass / weight iii. capacity and volume iv. time Ma1/3.1b measure and begin to record the following: i. lengths and heights ii. mass/weight iii. capacity and volume iv. time (hours, minutes, seconds)	Sc1/1.6 gathering and recording data to help in answering questions.
Y2	Ma2/4.1a interpret and construct simple pictograms, tally charts, block diagrams and tables Ma2/4.1b ask and answer simple questions by counting the number of objects in each category and sorting the categories by quantity Ma2/4.1c ask and answer questions about totalling and comparing categorical data.	Ma2/3.1a choose and use appropriate standard units to estimate and measure length/height in any direction (m/cm); mass (kg/g); temperature (°C); capacity (litres/ml) to the nearest appropriate unit, using rulers, scales, thermometers and measuring vessels Ma2/3.1b compare and order lengths, mass, volume/capacity and record the results using >, < and =	Sc1/1.6 gathering and recording data to help in answering questions.

Y3	Ma3/4.1a interpret and present data using bar charts, pictograms and tables Ma3/4.1b solve one-step and two-step questions using information presented in scaled bar charts and pictograms and tables.	Ma3/3.1a measure, compare, add and subtract: lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml) Ma3/3.1g compare durations of events	Sc4/1.3 making systematic and careful observations and, where appropriate, taking accurate measurements using standard units, using a range of equipment, including thermometers and data loggers Sc4/1.4 gathering, recording, classifying and presenting data in a variety of ways to help in answering questions Sc4/1.5 recording findings using simple scientific language, drawings, labelled diagrams, keys, bar charts, and tables Sc4/1.6 reporting on findings from enquiries, including oral and written explanations, displays or presentations of results and conclusions
Y4	Ma4/4.1a interpret and present discrete and continuous data using appropriate graphical methods, including bar charts and time graphs Ma4/4.1b solve comparison, sum and difference problems using information presented in bar charts, pictograms, tables and other graphs.	Ma4/3.1a convert between different units of measure	Sc4/1.3 making systematic and careful observations and, where appropriate, taking accurate measurements using standard units, using a range of equipment, including thermometers and data loggers Sc4/1.4 gathering, recording, classifying and presenting data in a

			variety of ways to help in answering questions Sc4/1.5 recording findings using simple scientific language, drawings, labelled diagrams, keys, bar charts, and tables Sc4/1.6 reporting on findings from enquiries, including oral and written explanations, displays or presentations of results and conclusions
Y5	Ma5/4.1a solve comparison, sum and difference problems using information presented in a line graph Ma5/4.1b complete, read and interpret information in tables, including timetables.	Ma5/3.1a convert between different units of metric measure	Sc5/1.2 taking measurements, using a range of scientific equipment, with increasing accuracy and precision Sc5/1.3 recording data and results of increasing complexity using scientific diagrams and labels, classification keys, tables, and bar and line graphs Sc5/1.5 reporting and presenting findings from enquiries, including conclusions, causal relationships and explanations of results, in oral and written forms such as displays and other presentations Sc5/1.6 identifying scientific evidence that has been used to support or refute ideas or arguments.

Y6	Ma6/4.1a interpret and construct pie charts and line graphs and use these to solve problems Ma6/4.1b calculate and interpret the mean as an average.	Ma6/3.1a solve problems involving the calculation and conversion of units of measure, using decimal notation up to 2 decimal places where appropriate Ma6/3.1b use, read, write and convert between standard units, converting measurements of length, mass, volume and time from a smaller unit of measure to a larger unit, and vice versa, using decimal notation to up to 3 decimal places Ma6/3.1c convert between miles and kilometres	Sc5/1.2 taking measurements, using a range of scientific equipment, with increasing accuracy and precision Sc5/1.3 recording data and results of increasing complexity using scientific diagrams and labels, classification keys, tables, and bar and line graphs Sc5/1.5 reporting and presenting findings from enquiries, including conclusions, causal relationships and explanations of results, in oral and written forms such as displays and other presentations Sc5/1.6 identifying scientific evidence that has been used to support or refute ideas or arguments.