

Year group and term	Statistics objectives	Measurement objectives	Science objectives
Y1		<p>Ma1/3.1a compare, describe and solve practical problems for:</p> <ul style="list-style-type: none"> <li>i. lengths and heights [for example, long/short, longer/shorter, tall/short, double/hal]</li> <li>ii. mass / weight</li> <li>iii. capacity and volume</li> <li>iv. time</li> </ul> <p>Ma1/3.1b measure and begin to record the following:</p> <ul style="list-style-type: none"> <li>i. lengths and heights</li> <li>ii. mass/weight</li> <li>iii. capacity and volume</li> <li>iv. time (hours, minutes, seconds)</li> </ul>	Sc1/1.6 gathering and recording data to help in answering questions.
Y2	<p>Ma2/4.1a interpret and construct simple pictograms, tally charts, block diagrams and tables</p> <p>Ma2/4.1b ask and answer simple questions by counting the number of objects in each category and sorting the categories by quantity</p> <p>Ma2/4.1c ask and answer questions about totalling and comparing categorical data.</p>	<p>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</p> <p>Ma2/3.1b compare and order lengths, mass, volume/capacity and record the results using &gt;, &lt; and =</p>	Sc1/1.6 gathering and recording data to help in answering questions.

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

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

<p>Y6</p>	<p>Ma6/4.1a interpret and construct pie charts and line graphs and use these to solve problems</p> <p>Ma6/4.1b calculate and interpret the mean as an average.</p>	<p>Ma6/3.1a solve problems involving the calculation and conversion of units of measure, using decimal notation up to 2 decimal places where appropriate</p> <p>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</p> <p>Ma6/3.1c convert between miles and kilometres</p>	<p>Sc5/1.2 taking measurements, using a range of scientific equipment, with increasing accuracy and precision</p> <p>Sc5/1.3 recording data and results of increasing complexity using scientific diagrams and labels, classification keys, tables, and bar and line graphs</p> <p>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</p> <p>Sc5/1.6 identifying scientific evidence that has been used to support or refute ideas or arguments.</p>
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