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| Know1Individual skills |  | Integration | Apply 2Understand principles |
| Skills | Strategy |  |
| K2K1 | Decide the type of chart or graph to draw based on its purpose or type of dataDesign a table for data being gathered. | K8 | Select a good way to display data | A1 | Explain why different kinds of data are better displayed on different kinds of graphsExplain the choice of starting point for axes, zero or non-zero |
| A2 |
|  |  |  |  | A3 | Explain the choice of a straight line or curve of best fit |
| K7K6K4K5K3 | Label the x axis with the name of the independent variable and the y axis with the dependent variableWrite unit labels on the axesDecide which numbers to start and finish with on each axisMark out an equal scale showing what each square of graph paper representsDraw a straight line or a curve of best fit through the points | K9 | Draw line graphs to display relationships |  |
| A4 | Explain the choice of type of graph |
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| A5 |  |
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| Key words |  |  |  |  |
| K12K11K10 | **Continuous variable** Has values that can be any number**Discontinuous variable** Has values that are words or discrete numbers**Bar chart/column graph** Displays the values of categories | K15K14K13 | **Line graph** Shows the relationship between two continuous variable**Pie chart** Shows the proportions or percentages that make up a whole**Line of best fit** A straight or curved line drawn to show the pattern of data points | K16 | **Scatter graph** Showsthe independent variable vs dependent variable  |