

Kit's Computing: Designing a Data Dashboard

Learning objective: To understand how data can be represented visually using charts and labels to communicate information clearly.

Kit the fox is building a digital dashboard to track the weather in the forest. Use the grid below to design your own data visualisation. Follow the steps to create a clear and accurate chart.

Draw: Draw a bar chart inside a large computer monitor frame. The chart should track 'Forest Fruit Harvest' over 5 days (Monday to Friday). Include a Y-axis labelled 'Kilograms (£ value equivalent)' and an X-axis labelled 'Days of the Week'. Use bars of different heights to show the data. Ensure your drawing includes a clear title at the top of the screen and use at least three words from the word bank as labels on your diagram.



Label words: X-axis · Y-axis · Data Point · Variable · Scale · Title · Frequency

Steps:

1. Why is it important to give your chart a title?
2. If you were tracking the temperature over one week, what would you put on the X-axis?
3. Explain why we use a 'Scale' on the Y-axis of a bar chart.
4. Look at your drawing: Identify one 'Variable' you have chosen to track.
5. If a data point on your chart is higher than the others, what does this tell the reader?