

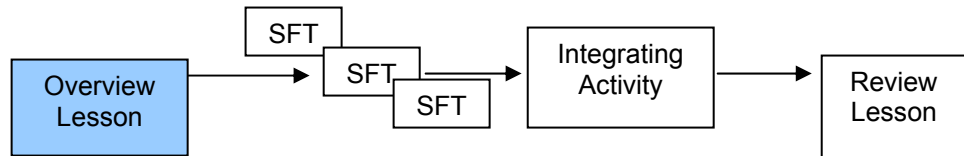
Learning objective: I can.....

Lesson 1 of 6

PoS 1a,1b

Recognise that information can be presented in different ways, and different graphs have different purposes.

QCA Unit: 4D



Planning considerations:

This unit can be used to consolidate work covered in Geography Unit 7 – Weather Around the World.

Resources

Print out of 'Temperature Record Sheet.pdf' and 'What is the Weather.pdf'

Software you could use:

Power Point
Internet

Support files:

Collecting and Presenting Information.ppt
Temperature Record Sheet.pdf
What is the weather.pdf

Setting the scene (5 mins)

Share the learning objective with the class. Explain to the class that in this unit they are going to be considering the different ways information can be collected and presented, and ultimately they are going to create graphs using weather data from different countries.

Main Input (20-30 Mins)

Show the children the Power Point 'Collecting and Presenting Information'. Use the information provided to emphasise the key idea that information can be presented in different ways, and that different graphs and used for different purposes.

Show the class the record sheets and explain that they are going to collect information on temperature and type of day over the next week/fortnight. Explain that the data they collect will be used to create charts on the computer in the next lesson.

Activity – short focused task (ongoing through out allocated time)

Temperature Activity: Groups of children are allocated different locations around the school, e.g playground, classroom, office etc. The temperature for their given location is takes and recorded on the sheet from 'Temperature Record Sheet.pdf' every day during the time allocated.

Type of Weather: This activity can either be done as a class or given to the children as homework. Using the record sheet 'type of weather.pdf' children record the weather for each day. At the start of this activity decide the definition for each type e.g rainy – there was no rain, cloudy – the sun did not come out etc.

Review and recall (10 mins)

Bring the class together and review the learning objective. Ask questions similar to those below. Reiterate key vocabulary

Key questions to ask and to display:

What form can data take? (Text/Alpha or Numeric)
What type of data is a line graph best for?
What might you use a bar chart for?

Vocabulary:

Text/ Alpha, Numeric, Data, Collecting, Presenting, Line Graph, Bar Chart, Pie Chart.

Teaching Points:

The 'Collecting and Presenting Information' Power Point is available to download or online.
A reasonable time allocation needs to be given for the collection of data. A week is the minimum amount of time needed to provide enough data to use in the next lesson.
If the class is collecting data for more than one week they will requires several record sheets.

Extension Activity:

What comes next:

Creating a line graph to show continuous changing information. Lesson 2 – 'Changing Temperatures'