

Year 7 Maths

Term 6 Handling Data



Students are learning about data handling at this point in Year 7 because it gives an opportunity to pull together different mathematical skills they have learnt throughout the year particularly in the averages topic and be able to display result in new ways. It also gives an opportunity for a project based topic which is nice to have at the end of the year

Previous topic: Ratio and proportion

Next topic: Probability (at the beginning of year 8)

Core knowledge/skills/concepts

- Constructing and interpreting pictograms
- Interpreting data from bar charts
- Continuous and discrete data
- Make a prediction for a set of data (eg mode of transport to school, staff car colour) predict an answer, confirm or otherwise by use of a survey
- Tally Charts, Bar Charts
- Stem and leaf diagrams
- Look at displaying data correctly using excel

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Essential vocabulary

continuous
cumulative frequency
data
discrete
grouped data
mean
median
mode
range
sample
statistics
stem-and-leaf diagram

Threshold concepts

Understanding the difference between continuous and discrete data
Being able to read and interpret tables and charts

Opportunities for reading

Large data sets with background information, for example in the pollution project)

How and when will the core learning be assessed?

Mid-topic assessment and end of topic assessment

Links to other topics/subjects

Geography- use of graphs to display data
Science- displaying data collected from experiments and research
Data topics in KS4