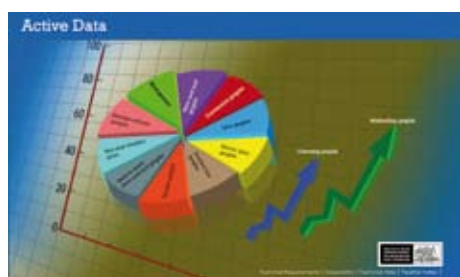


Active data

CLI Products

visit: www.cli.nsw.edu.au > products



Students explore and work with various graph types representing real-life scenarios. Students also learn to choose an appropriate graph type and recognise misleading graphs.

Active data supports students learning about various applications of the Data analysis strand of the NSW Mathematics Syllabus (Stages 4, 5 and 6).

Students work with data collected through individual and whole class activities such as tossing coins, running surveys in the school, organising a paper plane contest, having a 100 m race, measuring reaction and concentration times through online games, among others. Interactive learning tasks allow them to analyse, model, conjecture and predict results.

The twelve modules are self-contained and encourage meaningful construction of knowledge and critical thinking.

The resource includes a section for teachers detailing syllabus outcomes and *Quality Teaching* elements.

Active data can be accessed through the Teaching and Learning exchange (TaLe) www.tale.edu.au (NSW DET access only). It is also available for sale from www.cli.nsw.edu.au.

"It was a good experience for learning."

"I was able to use my creativity."

"The lesson was active and fun."

"It was hands-on, not just listening."

– Year 9 students, NSW Department of Education and Training

Using *Active data*, students collect, display and analyse data through interactive tasks related to sector, line, divided-bar, double-column and scatter graphs. The resource also includes activities on working with histograms, box-and-whisker and stem-and-leaf plots.

Enquiries

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A screenshot of the 'Active Data' software interface showing a 'Box and whisker plots' module. The page is titled 'Become a box plotting consultant' and features a character in a hard hat. It includes sections for 'Work from home!', 'Get a traineeship', and 'In-training'. The main content area describes the role of a box plotting consultant and provides instructions for a 'Flash activity' and 'Task 1: Change the rainfall'.

Spreadsheets and flash simulations actively engage students in working with graphs.