

Using a spreadsheet for teaching and learning

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Spreadsheets provide a variety of tools and possibilities for use in the teaching and learning of mathematics. The use of conditional formatting, scroll bars and fixed cell referencing for example can be used in a variety of ways. Some of the mathematical topics include the practice of basic number facts, algebraic variables, using dice and spinners in probability and exploring long run proportions and Pascal's triangle as well as its connections to the Sierpinski triangle. Other uses include record keeping and recording diagnostic test data for a class to provide an easy visual scan. This will be a practical session using Excel.