

# General mathematical resources

For an introduction to some mathematical concepts used in the social sciences, including help with mathematical symbols and conventions, sigma  $\sum$  (summation) notation, solving equations by backtracking, and sketching linear equations (straight lines).

[Introductory algebra for social sciences \(pdf, 2MB\)](#)

For a brief refresher of basic algebra skills including powers and indices, like terms, expanding brackets, factorising, algebraic fractions, substituting and solving linear and quadratic equations.

[Revising algebra skills \(pdf, 108KB\)](#)

## Maths 2 Unit Bridging Course

This course covers some of the material from HSC Mathematics 2 Unit (now called Mathematics Advanced). It is useful for units of study that have an assumed knowledge of Mathematics 2 Unit.

- [Study guide \(pdf, 52KB\)](#)
- [Exercise book \(pdf, 331KB\)](#)
- [Exercise book solutions \(pdf, 380KB\)](#)
- [Audiovisual modules \(YouTube videos\)](#)

## Extension 1 Bridging Course

This course covers some of the material in HSC Mathematics Extension 1. It is useful for units of study that have an assumed knowledge of Mathematics Extension 1. It assumes a background of Mathematics 2 Unit.

- [Study guide \(pdf, 49KB\)](#)
- [Exercise book \(pdf, 303KB\)](#)
- [Audiovisual modules \(YouTube videos\)](#)