

Year 7 Maths

Topic 2 Introduction to Algebra



Students are learning about Algebra at this point in Year 7 because it is a key Maths skill. This introduction underpins all the more complex Algebra topics for the next 5 years.

Previous topic: Number & Rounding

Next topic: Constructions

Next Algebra Topic: Solving Equations

Core knowledge/skills/concepts

- Writing algebraic expressions
- Collecting like terms
- Understanding of where algebra originates
- Simplifying algebraic expressions including multiplication and division

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Essential vocabulary

expression
power
simplify
term
unknown
variable

Threshold concepts

- Writing algebraic expressions
- Collecting like terms
- Simplifying algebraic expressions including multiplication and division

Opportunities for reading

How and when will the core learning be assessed?

Mid-topic Assessment, End of Topic Assessment, Assessment 2 (January) and Assessment 3 (May)

Links to other topics/subjects

Algebra will be used in almost every Maths topic from Year 7 to Year 11.
Simplifying Expressions will be used in Topic 6 (Solving Equations)
Writing Expressions will be used in Topic 10 (Sequences)
Algebra Topics in Year 8 include: Algebraic Manipulation; Equations and Inequalities and Graphs