Mathematics Year 7 Learning Journey

Directed Numbers

- Addition & subtraction
- Multiplication & division
- With equations

Addition & Subtraction of Fractions

- Mixed numbers
- Addition & subtraction (any denominators)

Multiplication & Division

- Factors & multiples
- Integers & decimals
- Problem solving including area

Fraction & Percentages of Amounts

- Mental methods
- Calculator methods

Addition & Subtraction

- Integers & decimals
- Problem solving including perimeter

Fraction, Decimal & Percentage

- Equivalent Fractions
- Convert FDP
- Pie charts

Equality & Equivalence

- Solve equations
- Collecting like terms

Algebraic Notation

- Variables & coefficients
- Function machines
- Substitution

Place Value

- Compare & order
- Round to powers of ten
- Significant figures

Sequences

- Diagrammatic
- Linear sequences
- Non-linear sequences

Year 7

Year 7 Overview

To engineer success, the Year 7 curriculum is designed to deepen students' understanding of mathematical concepts by breaking them down into small steps. At each stage, students become familiar with different representations, learn key technical vocabulary and have the opportunity to discuss their mathematical thinking. Students are then challenged to use their new skills to reason and problem-solve in different contexts to encourage them to make connections across the curriculum.

"Without mathematics, there's nothing you can do.
Everything around you is mathematics. Everything around you is numbers." Shakuntala Devi