



Mathematics

Year:7 and 8

“It’s not that I’m so smart; it’s just that I stay with problems longer.”

Course content

Year 7 and 8 will provide the building blocks to prepare them for the new GCSE specification. Pupils will be taught a variety of topics covering number; ratio and proportion; shape, space and measure; data handling and algebra whilst developing the skills highlighted below. The spiral curriculum model that will be followed will enable the pupils to recap and develop their skills over the course of the two years.

Skills developed

- Fluency
- Reasoning
- Application
- Misconceptions

Topics Covered

- Express sequences algebraically
- Form and solve linear equations
- Manipulate and use algebraic expressions
- Averages and range
- Probabilities from a chart or diagram
- Charts and graphs
- Apply the 4 operations including with fractions
- Types of number and number proof
- Fractions and percentages problems
- Apply rounding and significant figures to estimations
- Apply and use ratio
- Area and perimeter of composite shapes
- Volume and surface area
- Transformations
- Angle theories

For more information

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