



# Mathematics

Year: 10

*'It's not that I'm so smart, it's just that I stay with problems longer'*

## Course content

At Wetherby High School students currently in Year 10 will undertake a 2-year curriculum to finish preparations for their GCSE examinations. Every lesson in Year 10 will be used to consolidate and extend existing knowledge, whilst also developing well rounded, GCSE ready mathematicians. Students will learn different topics throughout the year, however, lessons will have a common theme; high challenge, high pace, high expectations. Through the various topics we aim to develop students who can problem solve and reason mathematically.

### Skills developed

- Fluency
- Reasoning
- Application
- Problem Solving

### Topics covered— Foundation

- Number
- Algebra
- Graphs, Tables and Charts
- Fractions and Percentages
- Equations, Inequalities and Sequences
- Angles
- Averages and Range
- Perimeter, Area and Volume1
- Graphs
- Transformations
- Ratio and Proportion
- Right-angles Triangles
- Probability
- Multiplicative Reasoning
- Constructions, Loci and Bearings

### Topics covered— Higher

- Number
- Algebra
- Interpreting and Representing Data
- Fractions, Ratio and Percentages
- Angles and Trigonometry
- Graphs
- Area and Volume
- Transformations and Constructions
- Equations and Inequalities
- Probability
- Multiplicative Reasoning
- Similarity and Congruence
- Trigonometry
- Statistics
- Equations and Graphs

For more information

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