

Mathematics at TGGGS

Developing Mathematical Thinkers



Choose a level Maths and further Maths

Sixth Form

Delivering Success in GCSE maths

Year 11

Building reasoning and explanation skills

Importance of Mathematics

- Core skill for life
- Develops reasoning skills
- Economic prosperity
- Beautiful
- Universal Language
- Is all around us

Exam Prep and Feedback

Algebraic reasoning and Proof

Algebraic fractions and Iteration

Bounds, Circles, Volume and Proportion

Simultaneous equations and Transformations

Plotting straight line graphs.
 $Y=mx + c$

Standard form and sequences

Algebra, constructions and Pythagoras.

Angles, inequalities and quadratic graphs

Trigonometry, Indices and Standard form.

Year 10

Improving Mathematical reasoning and fluency

Year 9

Developing Problem Solving Strategies

Ratio & Proportion

Geometry

Probability and Transformations

Algebra and Quadratic graphs.

CAREERS

- Aerospace Engineer
- Architect
- Forensic Scientist
- Quantity surveyor
- Management Consultant
- Software Game Developer
- Investment Analyst
- Medicine

Fractions, Decimals & Percentages

Year 8

Adding & Subtracting Fractions and Negative Numbers

Order of Operations

Multiplication, Division and Angles

Year 7

Developing Mathematical thinking and resilience

Algebra & Angles

An introduction to Algebra

Fractions & Data

The Number System

Functions and Graphs

Vectors Geometric Reasoning Circle theorems

Averages, data and 3D Pythagoras and Trigonometry