

Key Stage 4

Maths



Curriculum Intent

Our curriculum is thoughtfully structured to build on students' prior knowledge while fostering the development of strong interpersonal skills.

Our aim is to ensure that every student:

- Develops fluency in core mathematical concepts
- Gains the ability to reason logically and mathematically
- Applies their mathematical understanding to solve a variety of problems

We strive to provide an appropriate level of challenge for all learners and actively encourage them to articulate and justify their mathematical thinking.

Year 10

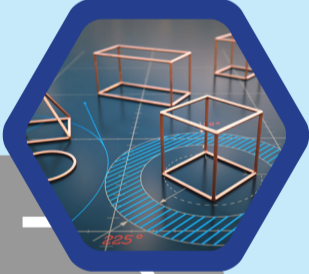
Half Term 1

Number
order of operations (BIDMAS), calculations involving money, calculations with time, estimation, converting between units of mass, volume and length.



Half Term 2

Fractions, Decimals and Percentages
calculations using fractions, decimals and percentages and converting between them.



Half Term 3

Statistics
different methods for representing data including bar charts, pie charts and line graphs. Calculating averages (mean, mode, median and range). Calculations using ratio and proportion.



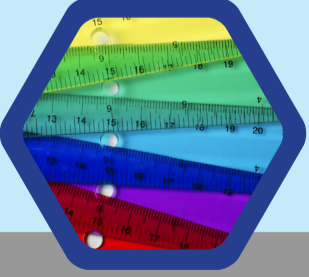
Half Term 4

Geometry
describing and identifying 2D and 3D shapes using their properties such as angles and lines of symmetry. Calculating areas and volumes.



Half Term 5

Compound Measures
converting between unit of length, mass and capacity. Using formula to calculate speed, density and rates of pay. Calculating the probability of events occurring.



Half Term 6

Data Handling / algebra
using lists, tables, diagrams and charts to represent data and be able to extract data from tables, diagrams and charts. Introduction to algebraic terms and uses.



Year 11