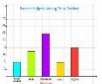


Mathematics

All students will sit a summative assessment at the end of each term to track progress – scores will be given as percentages. Throughout each term students will receive mini fluency quizzes once a fortnight to assess their knowledge and identify any gaps.



Year 8

End of Term Assessment

Understanding Risk 1

Visualising and Constructing

Proportional reasoning

Skills
Introduction to probability – probability scale, vocabulary



Skills
Write, simplify and work with ratio

Measuring data

Algebra - Visualising

Calculating space

Skills
Perimeter, area and volume



Skills
Plotting and using graphs

Skills
Calculate averages

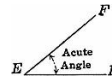
By the end of term 3 students should be able to draw and recognise lines $y = x$, $y = -x$, $y = 3$ and $x = -2$ on a graph, calculate the volume of prisms.

End of Term Assessment

Investigating angles

Solving equations

Skills
Calculate unknown angles



Skills
Calculate unknown values

Skills
Read and draw graphs



Presenting data

Calculating

Pattern Sniffing

Skills
Use the 4 operations with directed numbers

$2, 4, 6, 8, 10, 12, 14$

Skills
Work with sequences

By the end of term 2 students should be able to use geometric notation and use the 4 operations with decimals, understand proportion and solve simple equations

End of Term Assessment

Measuring space

Calculating f/d/p

Exploring f/d/p

Skills
Working with units of measure

Skills
4 operations with fractions, calculating percentages

Skills
Relationship between fractions and percentages

By the end of term 1 students should be able to simplify algebraic expressions, expand brackets, substitute values into formulae, use positive integer powers and their roots, use 4 operations with fractions

Counting and Comparing

Calculating

Checking and Estimating

Skills
Use the 4 operations with decimals



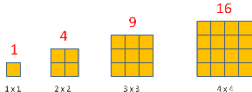
Skills
Round to decimal places. Use rounding to make estimates

Numbers and the Number System

Algebra - Tinkering

YEAR 7

Skills
Writing and using algebra



Introduction to Secondary Mathematics



KS3