



Curriculum

Outline of Content

Year 8



Assessment

Autumn Term

Number (10 lessons)

Calculating with negative numbers

Power and roots

Challenge - Laws of indices and prime factor decomposition

Geometry (9 lessons)

Finding volumes and surface area of 3D shapes

Working with measures

Finding areas of trapeziums and triangles

Challenge - Pythagoras Theorem and volume of cylinders

Spring Term

Statistics (10 lessons)

Data collection

Drawing bar charts

Drawing Pie Charts

Challenge - scatter graphs and interpreting financial graphs

Algebra (10 lessons)

Simplifying expressions

Factorising and expanding brackets

Solving equations

Challenge - Solving multi-step equations

Real life graphs (6 lessons)

Proportion graphs

Distance time graphs

Summer Term

Number (6 lessons)

Operations with decimals

Ordering and rounding decimals

Challenge - Working with recurring decimals

Geometry (8 lessons)

Basic angle laws

Laws of parallel lines

Quadrilateral properties

Probability/Sequences/Fractions

(depending on maths set)

Autumn Term

- Individual Unit tests and end of term GCSE style PPE
- Unit tests makes 40% of overall grade, PPE makes 60%

Spring Term

- Individual Unit tests and end of term GCSE style PPE
- Unit tests make 20% of overall grade, PPE makes 30%

Summer Term

- Individual Unit tests and end of term GCSE style PPE
- Unit tests make 10% of overall grade, PPE makes 23%

End of Year Grade

- Unit tests will form 40% of final grade whilst GCSE style PPE will form the other 60%.