

# MATHS (HIGHER)



**FINAL GCSE EXAMS**

Revision

Revision

3D Curved shapes and Vectors

Histograms, Probability and Construction

**YEAR 11**

What are the different ways of solving a quadratic and is one better than another?

Is there more than one way to represent a function?



How can we transform a 2D shape?

Do you know how to work out missing sides and angles of triangles?

Can you visualise 3D shapes and work out their surface area and volume?

Can you represent and solve a problem involving 2 variables?

Inequalities, Ratio and Graphs

How is proportion used in real-life?

KS4

Quadratics and Rearranging

Sequences and Compound Measures

Powers and Right-angled Triangles

Transformations and 3D Shapes

Circles and Simultaneous Equations

**YEAR 10 GCSE**

How do we interpret graphs?

What is proportion?

What are the properties of polygons?

Am I financially numerate?

What is the difference between area and volume?

Representations

Reasoning with Proportion

Reasoning with Geometry

Reasoning with Number

Constructing in 2 and 3 Dimensions

Can we represent algebra graphically?



Can we describe and represent numbers in different ways?



Developing Number

What is area? What are the properties of 2D shapes?



Developing Geometry

What is the data handling cycle?



Reasoning with Data

**YEAR 9**

Reasoning with Algebra



Algebraic Techniques

What is the link between sequences and algebraic expressions?



Representations

How can we represent data?



Can I think proportionally?

Proportional Reasoning

Can I calculate with negative numbers and fractions?



Directed Number and Fractional Thinking

Can I construct 2D shapes accurately?



Lines and Angles

What are Venn diagrams?



Reasoning with number

**YEAR 8**

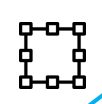
Applications of Number

Place Value and Proportion

Algebraic Thinking

**YEAR 7**

What is the difference between perimeter and area?



What is equivalence?



What is a variable?

KS3