



# MATHEMATICS FOUNDATION - KS4

## Year 10

### Half Term 1

Statistics, averages, perimeter and area.

### Half Term 2

3D shapes, volume and graphs.

### Half Term 3

Transformations, ratio and proportion.

### Half Term 4

Pythagoras' Theorem and trigonometry.

### Half Term 5

Probability and multiplicative reasoning.

### Half Term 6

Plans, elevations and nets, quadratic expressions and equations.

## Year 11

### Half Term 1

Circles, cylinders and cones, fractions and reciprocals, indices and standard form.

### Half Term 2

Similarity and congruence, vectors.

### Half Term 3

Rearranging equations, simultaneous equations.

### Half Term 4

Graphs of cubics and reciprocals, constructions, loci and bearings.

### Half Term 5

Exam preparation.

### Half Term 6

Exam preparation.





# MATHEMATICS HIGHER - KS4

## Year 10

### Half Term 1

Area, perimeter and volume.

### Half Term 2

Limits of accuracy and transformations..

### Half Term 3

Solving quadratic equations, simultaneous equations and inequalities.

### Half Term 4

Probability.

### Half Term 5

Multiplicative reasoning, similarity and congruence in 2D and 3D.

### Half Term 6

Further trigonometry and trigonometric graphs.

## Year 11

### Half Term 1

Statistics: constructing and analysing data.

### Half Term 2

Circle theorems and circle geometry.

### Half Term 3

Algebraic fractions, solving complex equations, further surds and proof.

### Half Term 4

Vectors and geometric proof, other types of graph and area under a curve.

### Half Term 5

Exam preparation.

### Half Term 6

Exam preparation.

