



# RIVINGTON & BLACKROD HIGH SCHOOL AND SIXTH FORM

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## CURRICULUM

### Mathematics Curriculum overview (Edexcel Scheme of work)

#### Year 9 - Foundation

##### Term 1:

Basic Number  
Factors and multiples  
Angles  
Scale Diagrams and Bearings  
Basic Algebra  
Basic Fractions  
Coordinates and linear graphs  
Basic decimals  
Rounding

##### Term 2:

Collecting and representing data  
Sequences  
Basic percentages  
Introduction to perimeter and area  
Introduction to circumference and area  
Ratio and proportion  
Basic Probability

##### Term 3:

Equations  
Scatter graphs  
Transformations  
Pythagoras' theorem  
2D Representations of 3D shapes

#### Year 9 - Higher

##### Term 1:

Basic Number  
Factors and multiples  
Angles  
Scale Diagrams and Bearings  
Basic Algebra review  
Basic Fractions  
Basic decimals  
Coordinates and linear graphs  
Rounding  
Collecting and representing data



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## CURRICULUM

### Term 2:

Sequences  
Basic percentages  
Perimeter and area  
Real life graphs  
Circumference and area  
Ratio and proportion  
Equations

### Term 3:

Basic Probability  
Scatter graphs  
Standard form  
Transformations  
Construction and loci  
2D Representations of 3D shapes

### Year 10 - Foundation

#### Term 1:

Angles  
Scale diagrams and Bearings  
Basic Number  
Factors and multiples  
Basic Algebra  
Coordinates and Linear Graphs  
Sequences  
Collecting and representing data  
Basic percentages

#### Term 2:

Perimeter and Area  
Circumference and Area  
Real life graphs  
Ratio and Proportion  
Properties of a Polygon  
Equations  
Indices  
Standard form  
Basic Probability





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## CURRICULUM

### Term 3:

Transformations  
Congruence and Similarity  
2D Representations of 3D shapes  
Calculating with percentages  
Measures  
Statistical measures  
Construction and loci

### Year 10 - Higher

#### Term 1:

Angles, Scale diagrams and Bearings  
Basic Number, Factors and multiples  
Basic Algebra review  
Fractions and decimals  
Coordinates and Linear Graphs  
Rounding  
Collecting and representing data  
Sequences  
Basic percentages  
Perimeter and Area  
Circumference and Area

#### Term 2:

Real life graphs  
Ratio and Proportion  
Properties of a Polygon  
Equations  
Indices  
Surds  
Basic Probability  
Standard form  
Measures  
Transformations

#### Term 3:

Congruence and Similarity  
2D Representations of 3D shapes  
Calculating with percentages  
Statistical measures  
Construction and loci  
Probability



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## CURRICULUM

### Year 11 – Foundation

#### Term 1:

Decimals, percentages and fractions  
Collecting and representing data  
Construction and loci  
Volume of complex shapes  
Sequences and linear graphs  
Simultaneous equations and inequalities

#### Term 2:

Trigonometry and Pythagoras  
Transformations, congruency and similarity  
Probability  
Indices and standard form  
Other graphs

#### Term 3:

Revision

### Year 11 - Foundation Plus

#### Term 1:

Decimals, percentages and fractions  
Approximations  
Expressions and formulae  
Transformations, congruency and similarity  
Equations

#### Term 2:

Collecting and representing data  
Volume of complex shapes  
Probability  
Indices and standard form  
Construction and loci  
Sequences and linear graphs  
Simultaneous equations and inequalities  
Other graphs

#### Term 3:

Revision





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## CURRICULUM

### Year 11 – Higher

#### Term 1:

Ratio and proportion – direct and inverse proportion  
Indices and surds  
Quadratics and their graphs  
Further identities, functions and formulae  
Trigonometry and Pythagoras recap and extension  
Repeated percentage change  
Further graphs

#### Term 2:

Fractions  
Probability  
Gradients and rates of change  
Circle theorems  
Inequalities  
Algebraic fractions  
Vectors

#### Term 3:

Revision.

### Year 11 - Higher: +

#### Term 1:

Standard form and indices  
Probability  
Statistical measures and representing data  
Quadratics and their graphs  
Trigonometry and Pythagoras recap and extension  
Further identities, functions and formulae  
Growth and decay  
Further graphs  
Direct and inverse proportion

#### Term 2:

Circle theorems  
Inequalities  
Algebraic fractions  
Vectors  
Gradients and rates of change  
Numerical methods  
Transforming functions



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Term 3:  
Revision.

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