KS4 Learning Journey

Mathematics

Department

OCR Maths Paper 1 F/H Calculator

OCR Maths Paper 2 F/H Non-Calculator

OCR Maths Paper 3 F/H Calculator

A Level Maths

Apprenticeships

All jobs

YEAR 11

Revision

Revision

Revision

8H

8F

Algebra 7

Transformations

Trigonometry graphs

P+S5

Venn diagrams

P+S5

Venn diagrams

P+S4

Tree diagrams

Probability

Capture Recapture

P+S4

Probability

Tree diagrams

Geometry 9

Sine rule
Cosine rule
1/2absinc

3D Pythagoras and trigonometry

Number 5

Unit conversion
Compound units

PPE

Geometry 8

Surface area of 3D shapes

7H

Geometry 7

Area and perimeter of a 2D shape

Plan and elevation

2D and 3D Shapes

Algebra 6

Read the graph

Rates of change

6F

PPE

Geometry 7

Vectors

Number 5

Unit conversion

Rates of change

Geometry 6

Area and perimeter of a 2D shape

Area and circumference of circles

Surface area and volumes of 3D shapes

Ratio 2

Proportion direct and indirect

Geometry 5

Plan and elevation

2D and 3D Shapes

Geometry 6

Vectors

6H

Geometry 5

Congruency

Singularity

Enlargements

Algebra 4

DT graph
VT graph

Ratio 2

Proportion direct and indirect

Number 4

% Increase and decrease

Geometry 4

Enlargements

Congruency

Singularity

PPE

Number 3

Standard form

Index laws

Geometry 4

Algebra 5

Reflect

Rotate

Translate

5F

P+S3

Scatter graphs

Non linear graphs

Simultaneous equations

P+S3

Scatter graphs

Time series

Number 3

Index laws

Surds

Standard form

Number 4

% Increase and decrease

5H

Geometry 3

Reflect

Rotate

Translate

Algebra 4

Linear sequences

Quadratic sequences

Identify special sequences

Algebra 3

Non linear graphs

Linear simultaneous equations

Geometry 3

Circle theorems

Geometry 2

Angle rules

4H

Number 2

All 4 operations

FDP

Fractions

Algebra 4

Inequalities and bounds

Algebra 3

Pythagoras and trigonometry

4F

Sequences

Linear nth term rules

Geometry 2

Angle rules

Number 2

FDP convert and compare

All 4 operations

Fractions

3F

Algebra 2

Pythagoras and trigonometry

Rearranging formula

Rounding bounds

3H

Factorising and solving quadratics

Algebra 2

Trial and improvement

YEAR 10

Expanding and basic brackets

Algebra 2

2H

Algebra 2

2F

Algebra 2

P+S2

Drawing graphs and charts

P+S2

Cumulative frequency

Box plots

Drawing graphs and charts

Histograms

Identities

Expanding and factorising brackets

Solving linear equations

Rearranging formula

Factorising and solving equations

Complete the square

Quadratic formula

Gradients including parallel and perpendicular

Algebra 1

Linear graphs

Linear graphs

Algebra 1

Functions

Substitutions

Substitutions

Ratio 1

Ratio and proportion

Ratio 1

1H

Geometry 1

Constructs and loci

Averages and ranges

P+S1

Rounding and estimating

Four operators

Factors, multiples and primes

Number 1

Ratio 1

Ratio and multipliers

Geometry 1

Constructs and loci

1F

P+S1

Averages and ranges

Number 1

Rounding and estimating

Four operations, negatives and BIDMAS

Factors, multiples and primes

YEAR 9

Assessments **Foundation** **Higher**