



Yr11 Maths Curriculum

Subject on a Page

The curriculum content for GCSE is taught and completed in Y10 & Y11. Whilst Y7-10 follows the same curriculum journey order each year, but the Y11's journey is more specific to the needs of individual classes. Diagnostic assessment is used to inform teaching for Y11, and it is the classroom teacher who determines the order of study. This means teaching is responsive to the needs of students and focus' on the reinforcement and retrieval of key skills, knowledge and concepts whilst addressing any learning gaps in the 15 topic areas. The curriculum is not only focused on GCSE content but also allows the opportunity for activities linked to the wider curriculum and beyond.

Year 11	N1 Calculations & Accuracy	GM1 Properties of 2D Shapes	A1 Expressions & Formulae	N2 Number Properties	A2 Equations & Inequalities
	A3 Sequences & Graph	N3 Fractions	GM2 Measuring 2D Shapes	S2 Bivariate Data	GM3 3D Shapes
	GM4 Similarity & Transformations	S1 Statistical Diagrams & Measures	GM5 Units & Constructions	N4 Percentages, Ratio & Proportion	S3 Probability

OCR Topics in Priority Order

Teachers may also wish to address any learning gaps based on these priority lists for the OCR GCSE topic content. These tables show the percentage of marks available on each topic on the OCR GCSE papers from 2017-2019 for both higher & foundation papers.

HIGHER CONTENT	
NUMBER 4	N4
PERCENTAGES, RATIO & PROPORTION	14.0%
<u>N4.1 Percentages</u>	8.3%
<u>N4.2 Calculations with ratio</u>	3.9%
<u>N4.3 Direct and inverse proportion</u>	1.8%
ALGEBRA 3	A3
SEQUENCES & GRAPHS	12.0%
<u>A3.1 Sequences</u>	1.6%
<u>A3.2 Linear graphs and functions</u>	2.4%
<u>A3.3 Quadratic graphs</u>	2.6%
<u>A3.4 Functions</u>	1.5%
<u>A3.5 Graphs of Functions</u>	4.0%
ALGEBRA 1	A1
EXPRESSIONS & FORMULAE	10.3%
<u>A1.1 Algebraic expressions</u>	1.4%
<u>A1.2 Algebraic formulae</u>	1.1%
<u>A1.3 Brackets</u>	2.2%
<u>A1.4 Quadratic functions</u>	3.7%
<u>A1.5 Algebraic proof</u>	1.9%
GEOMETRY & MEASURES 2	GM2
MEASURING 2D SHAPES	8.2%
<u>GM2.1 Perimeter calculations</u>	1.1%
<u>GM2.2 Area calculations</u>	1.5%
<u>GM2.3 Triangle Mensuration</u>	5.6%
STATISTICS 3	S3
PROBABILITY	8.0%
<u>S3.1 Basic probability</u>	2.2%
<u>S3.2 Venn diagrams and sets</u>	1.3%
<u>S3.3 Combined events</u>	4.4%
GEOMETRY & MEASURES 5	GM5
UNITS & CONSTRUCTION	7.8%
<u>GM5.1 Units and measurement</u>	2.1%
<u>GM5.2 Interpreting graphs</u>	3.0%
<u>GM5.3 Scale drawings and bearings</u>	0.9%
<u>GM5.4 Constructions</u>	1.8%
NUMBER 2	N2
NUMBER PROPERTIES	7.3%
<u>N2.1 Whole number theory</u>	2.3%
<u>N2.2 Powers and roots</u>	1.8%
<u>N2.3 Surds</u>	1.3%
<u>N2.4 Standard form</u>	1.9%

GEOMETRY & MEASURES 4	GM4
TRANSFORMATIONS & SIMILARITY	5.8%
<u>GM4.1 Vector Geometry</u>	1.8%
<u>GM4.2 Transformations</u>	1.6%
<u>GM 4.3 Similarity</u>	2.4%
STATISTICS 1	S1
STATISTICAL DIAGRAMS & MEASURES	5.8%
<u>S1.1 Sampling</u>	0.3%
<u>S1.2 Analysing Data</u>	1.2%
<u>S1.3 Interpreting and Representing Data</u>	4.2%
ALGEBRA 2	A2
EQUATIONS & INEQUALITIES	5.7%
<u>A2.1 Algebraic equations</u>	1.6%
<u>A2.2 Simultaneous equations</u>	2.8%
<u>A2.3 Algebraic inequalities</u>	1.3%
GEOMETRY & MEASURES 1	GM1
PROPERTIES OF 2D SHAPES	4.5%
<u>GM1.1 Properties of polygons</u>	1.1%
<u>GM1.2 Angle properties</u>	1.6%
<u>GM1.3 Circle properties</u>	1.9%
NUMBER 1	N1
CALCULATING & ACCURACY	2.9%
<u>N1.1 Approximation & estimation</u>	1.1%
<u>N1.2 Limits of Accuracy</u>	1.5%
<u>N1.3 Calculating with integers</u>	0.1%
<u>N1.4 Calculating with decimals</u>	0.2%
NUMBER 3	N3
FRACTIONS & DECIMALS	2.8%
<u>N3.1 Fractions</u>	1.2%
<u>N3.2 Decimal fractions</u>	1.6%
STATISTICS 2	S2
BIVARIATE DATA	2.7%
<u>S2.1 Bivariate data</u>	2.7%
GEOMETRY & MEASURES 3	GM3
3D SHAPES	2.2%
<u>GM3.1 Properties of Solids</u>	
<u>GM3.2 Volume and Surface Area calculations</u>	2.2%

FOUNDATION CONTENT	
NUMBER 4 PERCENTAGES, RATIO & PROPORTION	N4 17.1%
<u>N4.1 Percentages</u>	9.0%
<u>N4.2 Calculations with ratio</u>	7.0%
<u>N4.3 Direct and inverse proportion</u>	1.1%
GEOMETRY & MEASURES 5 UNITS & CONSTRUCTION	GM5 10.4%
<u>GM5.1 Units and measurement</u>	4.4%
<u>GM5.2 Interpreting graphs</u>	2.1%
<u>GM5.3 Scale drawings and bearings</u>	1.4%
<u>GM5.4 Constructions</u>	2.4%
ALGEBRA 1 EXPRESSIONS & FORMULAE	A1 8.3%
<u>A1.1 Algebraic expressions</u>	2.4%
<u>A1.2 Algebraic formulae</u>	2.5%
<u>A1.3 Brackets</u>	2.2%
<u>A1.4 Quadratic functions</u>	0.9%
<u>A1.5 Algebraic proof</u>	0.3%
NUMBER 2 NUMBER PROPERTIES	N2 8.1%
<u>N2.1 Whole number theory</u>	3.9%
<u>N2.2 Powers and roots</u>	2.2%
<u>N2.4 Standard form</u>	2.0%
STATISTICS 3 PROBABILITY	S3 7.9%
<u>S3.1 Basic probability</u>	3.0%
<u>S3.2 Venn diagrams and sets</u>	1.0%
<u>S3.3 Combined events</u>	3.9%
NUMBER 1 CALCULATING & ACCURACY	N1 7.6%
<u>N1.1 Approximation & estimation</u>	2.1%
<u>N1.2 Limits of Accuracy</u>	0.9%
<u>N1.3 Calculating with integers</u>	2.5%
<u>N1.4 Calculating with decimals</u>	2.1%
ALGEBRA 2 EQUATIONS & INEQUALITIES	A2 6.9%
<u>A2.1 Algebraic equations</u>	4.9%
<u>A2.2 Simultaneous equations</u>	1.3%
<u>A2.3 Algebraic inequalities</u>	0.7%

STATISTICS 1 STATISTICAL DIAGRAMS & MEASURES	S1 6.5%
<u>S1.1 Sampling</u>	0.2%
<u>S1.2 Analysing Data</u>	3.0%
<u>S1.3 Interpreting and Representing Data</u>	3.3%
NUMBER 3 FRACTIONS & DECIMALS	N3 5.5%
<u>N3.1 Fractions</u>	4.2%
<u>N3.2 Decimal fractions</u>	1.3%
GEOMETRY & MEASURES 2 MEASURING 2D SHAPES	GM2 5.5%
<u>GM2.1 Perimeter calculations</u>	0.9%
<u>GM2.2 Area calculations</u>	2.7%
<u>GM2.3 Triangle Mensuration</u>	2.0%
ALGEBRA 3 SEQUENCES & GRAPHS	A3 4.8%
<u>A3.1 Sequences</u>	1.5%
<u>A3.2 Linear graphs and functions</u>	2.3%
<u>A3.3 Quadratic graphs</u>	1.0%
GEOMETRY & MEASURES 1 PROPERTIES OF 2D SHAPES	GM1 4.0%
<u>GM1.1 Properties of polygons</u>	2.0%
<u>GM1.2 Angle properties</u>	1.8%
<u>GM1.3 Circle properties</u>	0.2%
GEOMETRY & MEASURES 4 TRANSFORMATIONS & SIMILARITY	GM4 3.2%
<u>GM4.1 Vector Geometry</u>	0.4%
<u>GM4.2 Transformations</u>	1.6%
<u>GM 4.3 Similarity</u>	1.2%
STATISTICS 2 BIVARIATE DATA	S2 2.4%
<u>S2.1 Bivariate data</u>	2.4%
GEOMETRY & MEASURES 3 3D SHAPES	GM3 1.6%
<u>GM3.1 Properties of Solids</u>	0.3%
<u>GM3.2 Volume and Surface Area calculations</u>	1.3%