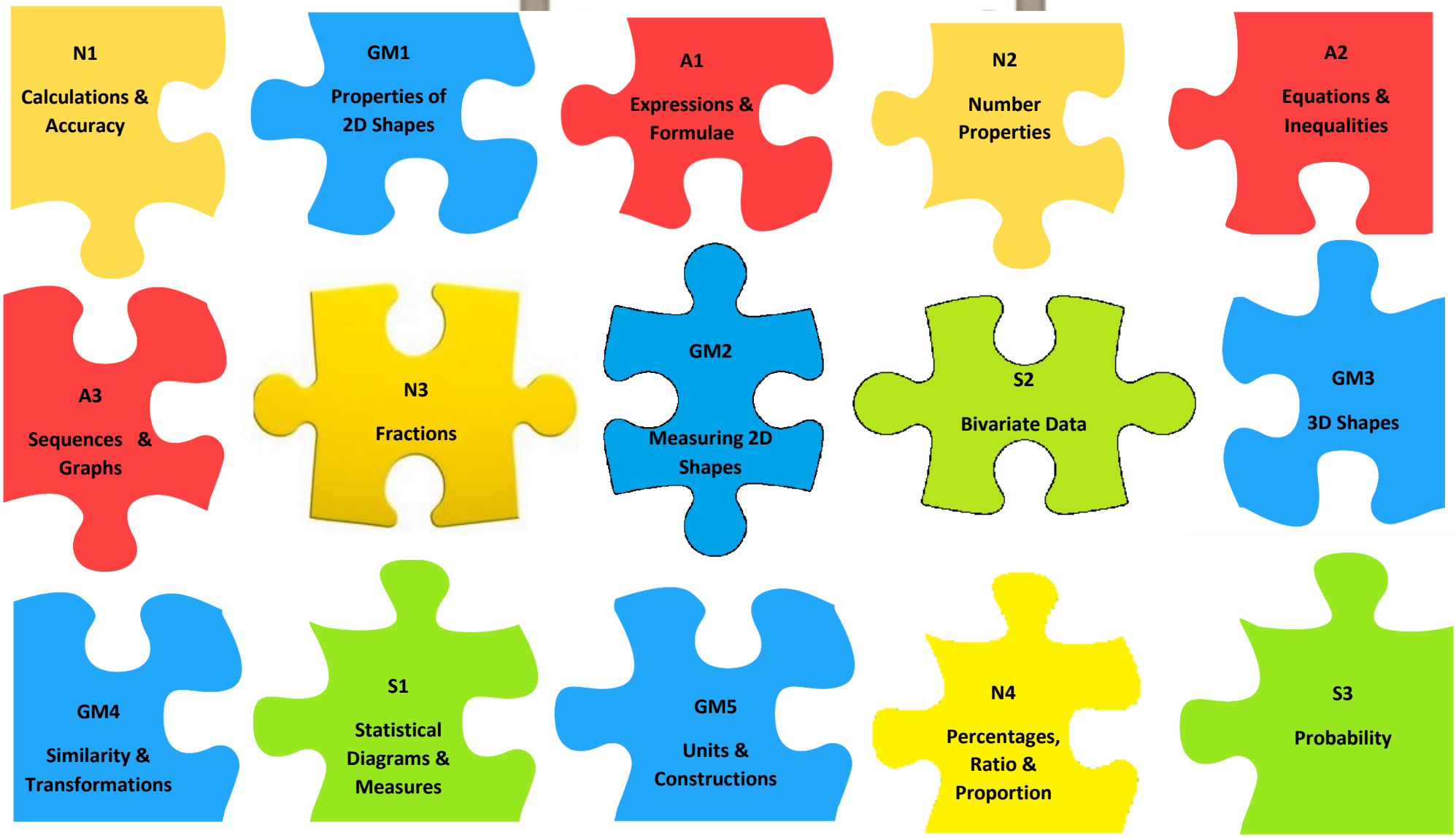
Maths – Y11 Curriculum Journey

The curriculum content for GCSE is taught and completed in Y10 & Y11. Whilst Y7-10 follows the same curriculum journey order each year, 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.



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%**
N4.1 Percentages	8.4%
N4.2 Calculations with ratio	4.4%
N4.3 Direct and inverse proportion	1.7%
ALGEBRA 3	**A3**
SEQUENCES & GRAPHS	**12.7%**
A3.1 Sequences	1.9%
A3.2 Linear graphs and functions	2.9%
A3.3 Quadratic graphs	2.4%
A3.4 Functions	1.8%
A3.5 Graphs of Functions	4.1%
ALGEBRA 1	**A1**
EXPRESSIONS & FORMULAE	**9.8%**
A1.1 Algebraic expressions	1.1%
A1.2 Algebraic formulae	0.8%
A1.3 Brackets	2.3%
A1.4 Quadratic functions	3.8%
A1.5 Algebraic proof	2.1%
GEOMETRY & MEASURES 2	**GM2**
MEASURING 2D SHAPES	**8.2%**
GM2.1 Perimeter calculations	0.8%
GM2.2 Area calculations	1.7%
GM2.3 Triangle Mensuration	6.0%
GEOMETRY & MEASURES 5	**GM5**
UNITS & CONSTRUCTION	**7.7%**
GM5.1 Units and measurement	2.3%
GM5.2 Interpreting graphs	3.0%
GM5.3 Scale drawings and bearings	1.0%
GM5.4 Constructions	1.7%
NUMBER 2	**N2**
NUMBER PROPERTIES	**7.3%**
N2.1 Whole number theory	2.8%
N2.2 Powers and roots	1.7%
N2.3 Surds	1.4%
N2.4 Standard form	1.7%
STATISTICS 3	**S3**
PROBABILITY	**7.2%**
S3.1 Basic probability	1.1%
S3.2 Venn diagrams and sets	1.3%
S3.3 Combined events	5.0%

GEOMETRY & MEASURES 4	**GM4**
TRANSFORMATIONS & SIMILARITY	**6.2%**
GM4.1 Vector Geometry	2.1%
GM4.2 Transformations	1.7%
GM 4.3 Similarity	2.5%
STATISTICS 1	**S1**
STATISTICAL DIAGRAMS & MEASURES	**6.0%**
S1.1 Sampling	0.2%
S1.2 Analysing Data	1.5%
S1.3 Interpreting and Representing Data	4.5%
ALGEBRA 2	**A2**
EQUATIONS & INEQUALITIES	**5.7%**
A2.1 Algebraic equations	1.7%
A2.2 Simultaneous equations	3.2%
A2.3 Algebraic inequalities	1.0%
GEOMETRY & MEASURES 1	**GM1**
PROPERTIES OF 2D SHAPES	**4.4%**
GM1.1 Properties of polygons	1.1%
GM1.2 Angle properties	1.5%
GM1.3 Circle properties	1.8%
NUMBER 1	**N1**
CALCULATING & ACCURACY	**3.1%**
N1.1 Approximation & estimation	1.2%
N1.2 Limits of Accuracy	1.6%
N1.3 Calculating with integers	0.1%
N1.4 Calculating with decimals	0.2%
NUMBER 3	**N3**
FRACTIONS & DECIMALS	**3.0%**
N3.1 Fractions	1.4%
N3.2 Decimal fractions	1.7%
STATISTICS 2	**S2**
BIVARIATE DATA	**2.7%**
S2.1 Bivariate data	2.8%
GEOMETRY & MEASURES 3	**GM3**
3D SHAPES	**2.0%**
GM3.1 Properties of Solids GM3.2 Volume and Surface Area calculations	2.1%

FOUNDATION CONTENT	
NUMBER 4	**N4**
PERCENTAGES, RATIO & PROPORTION	**17.1%**
N4.1 Percentages	9.0%
N4.2 Calculations with ratio	7.7%
N4.3 Direct and inverse proportion	0.9%
GEOMETRY & MEASURES 5	**GM5**
UNITS & CONSTRUCTION	**10.8%**
GM5.1 Units and measurement	4.8%
GM5.2 Interpreting graphs	2.2%
GM5.3 Scale drawings and bearings	1.5%
GM5.4 Constructions	2.6%
ALGEBRA 1	**A1**
EXPRESSIONS & FORMULAE	**8.4%**
A1.1 Algebraic expressions	2.6%
A1.2 Algebraic formulae	2.5%
A1.3 Brackets	2.3%
A1.4 Quadratic functions	0.9%
A1.5 Algebraic proof	0.4%
NUMBER 2	**N2**
NUMBER PROPERTIES	**8.1%**
N2.1 Whole number theory	4.1%
N2.2 Powers and roots	2.4%
N2.4 Standard form	2.1%
STATISTICS 3	**S3**
PROBABILITY	**7.7%**
S3.1 Basic probability	2.4%
S3.2 Venn diagrams and sets	1.2%
S3.3 Combined events	4.4%
NUMBER 1	**N1**
CALCULATING & ACCURACY	**7.2%**
N1.1 Approximation & estimation	2.4%
N1.2 Limits of Accuracy	0.7%
N1.3 Calculating with integers	2.0%
N1.4 Calculating with decimals	2.2%
ALGEBRA 2	**A2**
EQUATIONS & INEQUALITIES	**6.8%**
A2.1 Algebraic equations	5.3%
A2.2 Simultaneous equations	1.4%
A2.3 Algebraic inequalities	0.6%

STATISTICS 1	**S1**
STATISTICAL DIAGRAMS & MEASURES	**6.6%**
S1.1 Sampling	0.3%
S1.2 Analysing Data	3.2%
S1.3 Interpreting and Representing Data	3.3%
GEOMETRY & MEASURES 2	**GM2**
MEASURING 2D SHAPES	**5.9%**
GM2.1 Perimeter calculations	1.1%
GM2.2 Area calculations	2.9%
GM2.3 Triangle Mensuration	2.2%
ALGEBRA 3	**A3**
SEQUENCES & GRAPHS	**5.3%**
A3.1 Sequences	1.6%
A3.2 Linear graphs and functions	2.6%
A3.3 Quadratic graphs	0.7%
NUMBER 3	**N3**
FRACTIONS & DECIMALS	**5.2%**
N3.1 Fractions	4.1%
N3.2 Decimal fractions	1.3%
GEOMETRY & MEASURES 1	**GM1**
PROPERTIES OF 2D SHAPES	**4.0%**
GM1.1 Properties of polygons	2.0%
GM1.2 Angle properties	2.0%
GM1.3 Circle properties	0.1%
GEOMETRY & MEASURES 4	**GM4**
TRANSFORMATIONS & SIMILARITY	**3.3%**
GM4.1 Vector Geometry	0.3%
GM4.2 Transformations	1.6%
GM 4.3 Similarity	1.4%
STATISTICS 2	**S2**
BIVARIATE DATA	**2.4%**
S2.1 Bivariate data	2.5%
GEOMETRY & MEASURES 3	**GM3**
3D SHAPES	**1.3%**
GM3.1 Properties of Solids	0.4%
GM3.2 Volume and Surface Area calculations	0.9%