



## Curriculum Overview: Mathematics

### Key Stage 3 Units/Topics – By set.

	Half Term 1	Half Term 2	Half Term 3	Half Term 4	Half Term 5	Half Term 6
Yr7 Set 1	Calculator Intro. Unit 1 Analysing and displaying data Unit 2 Number skills	Unit 3 Equations, functions and formulae Unit 4 Fractions Unit 5 Angles and shapes	Unit 6 Decimals Unit 7 Equations	Unit 8 Multiplicative reasoning Unit 9 Perimeter, area and volume	Unit 10 Sequences and graphs Revision and EOY Assessment Prep.	EOY Assessment Review then start Yr8 Unit 1
Yr7 Set 2 and 3	Calculator Intro. Unit 1 Analysing and displaying data Unit 2 Number skills	Unit 3 Expressions, functions and formulae Unit 4 Decimals and measures	Unit 5 Fractions Unit 6 Probability	Unit 7 Ratio and proportion Unit 8 Lines and angles	Unit 9 Sequences and graphs Unit 10 Transformations	Revision. EOY Assessment Review then start Yr8 Unit 1
Yr7 Set 4	Calculator Intro. Unit 1 Analysing and displaying data Unit 2 Calculating	Unit 3 Expressions, functions and formulae Unit 4: Graphs	Unit 5 Factors and multiples Unit 6 Decimals and measures	Unit 7 Angles and lines Unit 8 Measuring and shapes	Unit 9 Fractions, decimals and percentages Unit 10: Transformations	EOY Assessment Review then start Yr8 Unit 1



Subject curriculum overview – Key Stage 3 and 4 ((For information on more detailed UOL or curriculum maps please email Mr Moulding)



Yr8 Set 1	Unit 1 Factors and powers Unit 2 Working with powers Unit 3 2D shapes and 3D solids	Unit 4 Real-life graphs Unit 5 Transformations Unit 6 Fractions, decimals and percentages	Unit 7 Constructions and loci Unit 8 Probability	Unit 9 Scale drawings and measurements Unit 10 Graphs	Revision and EOY Assessment Prep.	EOY Assessment Review then start Yr9 Unit 1
Yr8 Set 2 and 3	Unit 1 Number. Unit 2 Area and volume Unit 3 Statistics, graphs and charts and lessons.	Unit 4 Expressions and equations. Unit 5 Real-life graphs	Unit 6 Decimals and ratio Unit 7 Lines and angles	Unit 8 Calculating with fractions Unit 9 Straight-line graphs	Unit 10 Percentages, decimals and fractions Revision.	Revision. EOY Assessment Review then start Yr9 Unit 1
Yr8 Set 4	Unit 1 Number properties and calculations Unit 2 Shapes and measures in 3D Unit 3 Statistics	Unit 4 Expressions and equations Unit 5 Decimals calculations	Unit 6 Angles Unit 7 Number properties	Unit 8 Sequences Unit 9 Fractions and percentages	Unit 10 Probability Revision and EOY Assessment Prep.	EOY Assessment Review then start Yr9 Unit 1



**Key Stage 4 Units/Topics – By set.**

	Half Term 1	Half Term 2	Half Term 3	Half Term 4	Half Term 5	Half Term 6
Yr9 Set 1 and 2	Unit 1 Number Unit 2 Algebra Unit 3 Interpreting and representing data	Unit 4 Fractions, ratio and proportion Unit 5 Angles and trigonometry	Unit 6 Graphs Unit 7 Area and volume	Unit 8 Transformation and constructions Unit 9 Equations and inequalities	Unit 10 Probability Unit 11 Multiplicative reasoning	Unit 12 Similarly and congruence EOY assessment Prep and review.
Yr9 Set 3 and 4	Unit 1 Number Unit 2 Algebra Unit 3 Graphs, tables and charts	Unit 4 Fractions and percentages Unit 5 Equations, inequalities and sequences	Unit 6 Angles Unit 7 Averages and range	Unit 8 Perimeter, area and volume 1 Unit 9 Graphs	Unit 10 Transformations Unit 11 Ratio and proportion	Unit 12 Right-angled triangles. EOY assessment Prep and review.
Yr10 Set 1 and 2	Unit 13 More trigonometry Unit 14 Further statistics	Unit 15 Equations and graphs	Unit 16 Circle theorems	Unit 17 More algebra	Unit 18 Vectors and geometric proof	Unit 19 Proportion and graphs PPE1 Prep and review
Yr10 Set 3 and 4	Unit 13 Probability Unit 14 Multiplicative reasoning Unit 15 Constructions, loci and bearings	Unit 16 Quadratic equations and graphs Unit 17 Perimeter, area and volume 2	Unit 18 Fractions, indices and standard form	Unit 19 Congruence, similarity and vectors	Unit 20 More algebra. Review Units 1 to 10.	Review Units 11 to 20. PPE1 Prep and review
Yr11 Set 1	Fill the gaps	PPE2 Prep and review	Fill the gaps	PPE3 Prep and review	Fill the gaps + exam prep	Exam prep
Yr11 Set 2	Fill the gaps	PPE2 Prep and review	Fill the gaps	PPE3 Prep and review	Fill the gaps + exam prep	Exam prep
Yr11 Set 3	Fill the gaps	PPE2 Prep and review	Fill the gaps	PPE3 Prep and review	Fill the gaps + exam prep	Exam prep
Yr11 Set 4	Fill the gaps	PPE2 Prep and review	Fill the gaps	PPE3 Prep and review	Fill the gaps + exam prep	Exam prep
Yr11 Set 5	Fill the gaps	PPE2 Prep and review	Fill the gaps	PPE3 Prep and review	Fill the gaps + exam prep	Exam prep