



## Long Term Plan Maths Year 10

Here is an outline of what we plan to study in year 10 Maths lessons. Our Medium and Short Term Plans highlight where we promote cross curricular links, British Values, SMSC and links to Careers and Employability.

### Term 1

GCSE Focus	Topic	Week	Learning
Number	Using a calculator	1	Use of a calculator including rounding and estimating recap
Statistics	Statistical Diagrams	2	Statistical diagrams- scattergraphs Statistical diagrams- pictograms and frequency trees
Number	Fractions	3	Fraction recap (of, equivalence)
Number	Fractions, Decimals, Percentages	4	FDP equivalence recap and ordering FDP
Number	Fractions	5	Fraction operations (+/-)
Geometry	Perimeter	6	Perimeter of shapes (including with algebra and fractions)
Number	Mixed number Fractions of an amount	7	Recap mixed numbers and fraction of an amount
Number	Fractions	8	Multiplying and dividing fractions
<b>HALF TERM</b>			
Number	Percentages	1	Calculating percentages (including using a calculator)
Number	Money problems	2	Money problems including fraction of an amount and percentages
Statistics	Coordinates	3	Coordinates
Number	Function Machines	4	Function machines and substitution recap
Statistics	Graphs	5	Plotting graphs
Statistics	Graphs	6	Plotting graphs
Algebra	Sequences	7	Sequences (continuing, patterns, Fibonnaci)

## Term Two

GCSE Focus	Topic	Week	Learning
Algebra	Sequences	1	Sequences (nth term)
Algebra	Equations	2	Solving equations recap
Algebra	Equations	3	Expanding brackets
Algebra	Equations	4	Solving equations including brackets
Algebra	Factorising	5	Factorising
Algebra	Inequalities	6	Solving inequalities
<b>HALF TERM</b>			
Geometry	Symmetry	1	Naming shapes, rotational and reflectional symmetry recap
Geometry	Transformations	2	Transformations- rotate and reflect
Geometry	Transformations	3	Transformations- translate and enlarge
Number	Rounding	4	Rounding recap

### Term Three

GCSE Focus	Topic	Week	Learning
Number	Estimation	1	Estimation
Number	BIDMAS	2	Order of operations, laws of indices
Algebra	Indices	3	Laws of indices
Ratio and proportion	Proportion	4	Direct proportion and best buys
Ratio and proportion	Ratio	5	Ratio recap
Geometry	Angles	6	Angles recap
<b>HALF TERM</b>			
Geometry	Angles	1	Angles recap including quadrilaterals
Geometry	Shapes	2	Naming 3D shapes, nets, edges/vertices/faces
Geometry	Area	3	Area recap (rectangles, triangles, parallelograms, trapeziums)
Geometry	Volume	4	Volume of cuboids
Geometry	Volume	5	Volume of prisms
Revision	Consolidation	6	Consolidation of previous learning