	Autumn
	Understanding and using algebraic notation
	Equality and equivalence with algebra
	Fraction, decimal and percentage equivalence
	Spring
	Fractions and percentages of amounts
Year 7	Four operations with directed number including solving equations with negative values
	Addition and subtraction of fractions and algebraic fractions
	Constructing, measuring and using geometric notation
	Summer
	Doveloping geometric reasoning with angles
	Developing geometric reasoning with angles
	Sets and probability
	Prime numbers and proof

	Autumn
	Understand and use ratio and scale
	Solve multiplicative change problems
	Multiply and divide fractions
	Working in the Cartesian plane
	Represent data in graphs and tables
Year 8	Spring
	Tables and probability
	Brackets, equations and inequalities
	Generate sequences
	Calculate with fractions and percentages
	Summer
	Calculate with numbers in standard form

	Area of trapezia and circles Measures of location The data handling cycle
Year 9	AutumnUnderstand and useForming and solving equationsThree – dimensional shapesConstruction and congruencyNumbersSpringUsing percentagesMaths and MoneyReflection, rotation and translation

	Pythagoras' Theorem <u>Summer</u>
	Enlargement and Similarity Rates Probability Non-Linear Graphs
Year 10	Proportions and Proportional Change   Ratios & Fractions   Percentage and interest   Probability   Geometry   Vectors

	Angles and Bearing Working with circles Congruence, similarity and enlargement
	Similarity Trigonometry
	Developing Algebra Representing solution of equations and inequalities Developing Algebra Simultaneous Equations
Year 11	Collecting, representing and interpreting data Drawing and interpreting statistical diagrams

## Using Number

Types of number and sequences

Indices and roots

## <u>Graphs</u>

Gradients and lines

Non-Linear Graphs

## <u>Algebra</u>

Expanding and factorising

Change the subject

Functions

## <u>Reasoning</u>

Multiplicative

Geometric

Algebraic