

		Pathway	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Year 9	Advanced	Focus:	Number	Algebra	Data Handling	Fractions, Ratio & Percentages	Angles & Trigonometry	Graphs
		Assessment:	End of Unit Assessments					
Year 9	Core	Focus:	Number	Algebra	Data Handling	Fractions & Percentages	Angles	Equations, Inequalities & Sequences
		Assessment:	End of Unit Assessments					
Year 8	Core 2 (including depth & support as required)	Focus:	Unit 1: Number Unit 2: Area & Volume	Unit 8: Calculating with Fractions	Unit 3: Statistics, Graphs & Charts Unit 4: Expressions & Equations	Unit 6: Decimals & Ratio	Unit 10: Percentages, Decimals & Fractions	Unit 7: Lines & Angles
		Assessment:		Assessment 1	Assessment 2	Assessment 3	End of Year Assessment	
Year 7	Core 1 (including depth & support as required)	Focus:	Unit 9: Sequences & Coordinates Unit 1: Analysing & Displaying Data	Unit 2: Number Skills Unit 3: Expressions, Functions & Formulae	Unit 4: Decimals & Measures Unit 5: Fractions	Unit 6: Probability	Unit 7: Ratio & Proportion	Unit 8: Lines & Angles
		Assessment:		Assessment 1	Assessment 2	Assessment 3		End of Year

Year

7

CEIAG

- Maths, Patterns and Symmetry in nature embedded in Sequences.
- Exploration of Maths in real life, making connections of Place Value, Percentages and Fractions to real life, including money, sales, borrowing.
- Statisticians use Averages, Graphs and Charts to analyse results, see patterns in data and predict future trends.

SMSC

- Developing an enquiring mind, a sense of wonder, using logic, problem-solving.
- Articulating and discussing mathematical ideas.

Enrichment

- Monthly Maths Mind Twister
- Maths Surgery - one-to-one
- UKMT Junior Maths Challenge

Year

8

CEIAG

- Area, Perimeter and Volume used by Designers and Engineers, who need to know exact areas and volumes when designing projects.
- Percentages, Decimals and Fractions used in Business and Retail, to calculate percentage profit and discounts on their products.
- Statisticians use Averages, Graphs and Probability to analyse results, see patterns in data and predict future trends.

SMSC

- Describing and modelling reality.
- Learning to look out for misleading graphs and charts.

Enrichment

- Monthly Maths Mind Twister
- Maths Surgery - one-to-one
- UKMT Junior Maths Challenge

Year

9

CEIAG

- Percentages used by a Sports Analyst to measure performance and track improvement and also in the Financial Sector, to calculate investment performance, borrowing and lending costs.
- Standard Form used by Scientists when working with molecules and atoms, and Astronomers to measure large distances in space.
- Financial officers use Formulae to work out pricing structures for car hire, gas/electricity pricing.
- Interest and depreciation calculations covered in Percentages.
- Statisticians use Averages, Graphs and Probability to analyse results, see patterns in data and predict future trends.

SMSC

- Using logic and mathematical reasoning to tackle problems faced in real life.

Enrichment

- Monthly Maths Mind Twister
- Maths Surgery - one-to-one
- Problem-solving and Finance Day
- UKMT Intermediate Maths Challenge

Pathway		Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2	
Year 10	GCSE Higher	Focus:	Unit 5: Trigonometry Unit 6: Graphs	Unit 7: Area & Volume	Unit 8: Transformations & Constructions	Unit 9: Equations & Inequalities	Unit 10: Probability	Unit 11: Multiplicative Reasoning
		Assessment:	End of Unit Assessments					
	GCSE Foundation	Focus:	Unit 6: Equations, Inequalities & Sequences	Unit 7: Averages & Range Unit 8: Perimeter, Area & Volume 1	Unit 9: Graphs	Unit 10: Transformations	Unit 11: Ratio & proportion	Unit 12: Right-angled Triangles
Assessment:		End of Unit Assessments						
10F3	Focus:	Unit 9: Sequences & Graphs	Unit 10: Transformations Unit 1: Number	Unit 2: Area & volume Unit 3: Statistics, Graphs & Charts	Unit 4: Expressions & Equations Unit 5: Real-life Graphs	Unit 6: Decimals & Ratio Unit 7: Lines & Angles	Unit 8: Calculating with Fractions	
	Assessment:	End of Unit Assessments						

CEIAG

- Transformations / Enlargement used by Designers, who draw plans to scale.
- Pythagoras and Trigonometry used in navigation by Sailors to calculate distances and bearings and by Surveyors and Architects to calculate angles and lengths.
- Area calculations required for decorating, whether painting, tiling or laying carpets.
- Statisticians use Averages, Graphs and Probability to analyse results, see patterns in data and predict future trends. Linked to Sciences and Geography at 'A' level and University degrees.

SMSC

- Harder problem-solving and real-life applications.
- Recognising bias and misleading graphs and questionnaires.
- Multiplicative reasoning used to determine best value for money.

Enrichment

- Monthly Maths Mind Twister
- Maths Surgery - one-to-one
- UKMT Intermediate Maths Challenge

Pathway		Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1&2
Year 11	Higher	Unit 12: Similarity & Congruence	Unit 14: Further Statistics	Unit 16: Circle Theorems	Unit 18: Vectors & Geometric Proof	Revision & Exam Preparation GCSE Examinations
		Unit 13: Further Trigonometry	Unit 15: Equations & Graphs	Unit 17: More Algebra	Unit 19: Proportion & Graphs	
	Assessment:	Mock Examinations: November & March				
Foundation	Unit 13: Probability	Unit 15: Constructions, Loci & bearings	Unit 17: Perimeter, Area & Volume 2	Unit 19: Congruence, Similarity & Vectors		
	Unit 14: Multiplicative Reasoning	Unit 16: Quadratic Equations & Graphs	Unit 18: Fractions, Indices & Standard Form	Unit 20: More Algebra		
Assessment:	Mock Examinations: November & March					
11 F3	Indices: Powers & Roots, Laws of Indices Standard Form. Pythagoras	Fractions, Ratio, Percentages & FDP	Stem & Leaf Diagrams	Angles		
	Factors, Multiples & Primes Area & Perimeter	Multiplying & Dividing Decimals Money Problems Averages	Two Way Tables Probability Scatter Graphs 3D Shapes Transformations	Estimation Ratio & Proportion Sequences		
Assessment:	Mock Examinations: November & March					

CEIAG

- Architects and Designers produce accurate plans using Construction techniques.
- Standard Form used by Scientists when working with molecules and atoms, and Astronomers to measure large distances in space.

SMSC

- Discovering proofs, seeking truth, articulating with logical reasoning/argument.

Enrichment

- Monthly Maths Mind Twister
- Maths Surgery: one-to-one
- Boost and A-Level taster sessions