

		Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Year 9	Focus:	1. Algebra - Linear and Quadratic Expressions 2. Indices 3. Linear Equations 4. Standard Form	5. Quadratic Equations 6. Probability 7. Rearranging Formulae 8. Fractions, Decimals and Bounds	9. Proportion and Scales 10. Angles 11. Bearings, Pythagoras and Trigonometry	12. Substitution 13. Graphs	14. Inequalities 15. Transformations 16. Scatter Graphs	17. Similarity and Congruency 18. Equations and Simultaneous Equations 19. Area
	Assessment:	Assessment 1		Assessment 2	Assessment 3		End of Year
Year 8	Focus:	1. Pythagoras 2. Fractions 3. FDP 4. Solving Equations 5. Ratio and Proportion	6. Percentages 7. Substitution 8. Speed 9. Probability 10. Real Life Graphs	11. Factors, Multiples, Primes 12. Venn Diagrams & Sets & Product of Primes 13. Constructions	14. Decimals 15. Rounding and Estimation 16. Linear Graphs	16. Quadratic Graphs 17. Sequences 18. Area & Circles	19. Volume 20. Density 21. Surface Area 22. Averages
	Assessment:		Assessment 1	Assessment 2		End of Year	
Year 7	Focus:	1. Expressions 2. Using a Calculator 3. Probability	4. Expanding Brackets 5. Rounding 6. Angles 1 7. Data and Probability 8. Averages 1	9. Factors, multiples, primes and factorising 10. FDP 11. Substitution 12. Decimals	13. Angles 2 14. Averages 2 15. Division	16. Units of Measure 17. Representing Data 18. Function Machines 19. Solving Equations	20. Properties of Shapes 21. Perimeter and Area 22. Coordinates and Graphs
	Assessment:	Baseline	Assessment 1	Assessment 2		End of Year	

Year
7

CEIAG

- Exploration of Maths in real life, making connections to Units of Measure and Areas.
- 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.
- Ethics around probability and gambling.

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.
- Interest and depreciation calculations covered in Percentages.
- 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.

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
- UKMT Intermediate Maths Challenge

Year 10	Pathway		Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
	GCSE Higher	Focus:	1. Index Laws 2. Estimations & Standard Form 3. Quadratics and Cubics 4. Direct and Inverse Proportion	5. Constructions and Loci 6. Rational and Irrational Numbers 7. Rearranging Formulae 8. Functions	9. Arcs and Sectors 10. Surface Area and Volumes 11. Bounds 12. Transformations	13. Similarity - LAV 14. Probability 15. Trigonometry 2D/3D 16. Linear Graphs 17. Simultaneous Equations	18. Linear Inequalities – Regions 19. Quadratic Equations 20. Data Processing – Mean from a table / Representing Continuous Data / Comparing Data	20. Sampling Methods 21. Completing the Square 22. Quadratic Inequalities
	GCSE Foundation	Focus:	1. Index Laws 2. Standard Form 3. Percentages 1: Calculations with and without a calculator 4. Expanding Brackets and Factorising 5. Solving Linear Equations	6. Ratio and Proportion 7. Constructions & Loci 8. Venn Diagrams 9. Reciprocals, Factors and Multiples 10. Substitution 11. Pythagoras	12. Frequency Tables 13. Probability: Two Way Tables and Frequency Trees 14. Percentages 2: Repeated & Reverse Percentages	15. Fractions 16. Linear Graphs 17. Linear & Special Sequences 18. Decimals 19. Estimations	20. Area of 2D Shapes 21. Circumference and Area of Circles 22. Arcs and Sectors 23. Speed	24. Real Life Graphs 25. Volume & Surface Area of Prisms 26. Density
Assessment:				Assessment 1	Assessment 2	Mock Assessment		End of Year Assessment

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

Year 11	Pathway		Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1 & 2	
	Higher	Focus:	23. Circle Theorems 24. Growth and Decay 25. Sine and Cosine Rule 26. Non-Linear Simultaneous Equations	27. Surface Area and Volume 2 28. Iterations 29. Quadratic Sequences 30. Gradient and Area 31. Equation of a Circle	32. Vectors 33. Graphical Simultaneous Equations 34. Trig Graphs and Equations 35. Transforming Graphs	36. Algebraic Fractions 37. Conditional Probability 38. Proof	Revision & Exam Preparation	
		Assessment:		Mock Examinations: November & March				
	Foundation	Focus:	27. Inequalities 28. Scatter Graphs 29. Forming Equations 30. Non-linear graphs 31. Probability Tree Diagrams	32. Quadratic expressions 33. Proportion 34. Bounds 35. Cones and Spheres 36. Vectors 37. Transformations	38. Angles in Parallel Lines 39. Rearranging Formulae 40. Similarity & Congruency 41. Trigonometry 42. Quadratic Equations	43. Simultaneous Equations 44. Equation of a Line		GCSE Examinations
		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.
- Understanding financial terms through finance day

Enrichment

- Monthly Maths Mind Twister
- Maths Surgery: one-to-one
- Finance Day
- Boost and A-Level taster sessions
- GCSE Statistics
- Level 2 Further Maths