Maths Key Stage 3- Curriculum Map

2022/2023

KEY TOPIC	AUTUMN 1	AUTUMN 2	SPRING 1	SPRING 2	SUMMER 1	SUMMER 2
YEAR 7	Number Skills 4 Operations(N)	Types of Number (N) Indices (N) Notation & Manipulation (A) Substitution & Formulae (A)	Fractions (N) Percentages (N) Equations (A) Pythagoras G & M)	Place Value (N) Area and perimeter (G & M) Averages (S & P)	Averages (continued) (S & P) Co-ordinates, linear graphs and gradients (A)	Distance, speed and time (R & P) Angles (G & M)
YEAR 8 Year 8	Number Skills 4 Operations & Indices (N)	Notation & Manipulation (A) Equations (A) Fractions (N)	Angles (G & M) Probability (S & P) Rounding (N) Pythagoras (A)	Percentages (N) Fractions and Decimals (N)	Ratio and Proportion R & P) Substitution & Formulae (G & M)	Types of Charts S & P) Transformations (G & M)
YEAR 9	Transformations (G & M) Substitution & Formulae (A) Area & Volume (G & M)	Area & Volume (G & M) Notation & Manipulation (A) Algebraic Graphs (A)	Averages (S & P) Algebraic Graphs (N) Pythagoras (G & M)	Percentages (N) Trigonometry (G & M) Two way Tables (S & P) Similarity (G & M)	Circles (G & M) Equations (including Sim Equations - H) (A) Sequences (A) Surds (A)	Speed, Distance & Time (R & P) Probability (S & P) Standard Form (N)

Golden Threads:

Numbers: 4 Operations, Indices & Surds; Types of number & Standard Form; Place Value & Rounding; Fractions; Percentages; Combined Number Problems

Algebra: Notation & Manipulation; Equations; Algebraic Graphs; Sequences; Substitution & Formulae

Geometry & Measure: Area & Volume; Angles; Transformations; Pythagoras' Theorem & Trigonometry; Constructions; Similarity and Congruence;
Statistics & Probability: Averages; Charts & Graphs; Probability
Ratio and Proportion :Ratio & Proportion; Units and speed; Compound measures.