

# MATHS STATEMENT OF AIMS

THE AIM OF THE KS3 CURRICULUM IS TO DEVELOP...

## SUCCESSFUL LEARNERS

Maths is a creative and highly inter-connected subject that has developed over centuries. It is essential to every day life. Maths provides a foundation for understanding the world and allows the students a sense of enjoyment and curiosity of the world around. Maths will build upon the soft skills required to make students successful, such as communication and teamwork, which will also be developed through discussions in class and through the Unifrog CIAG platform.

## CONFIDENT, INSPIRED INDIVIDUALS

Maths students will become fluent in the fundamentals, number, algebra, geometry, ratio, probability and statistics. They will be able to reason mathematically and solve problems in differing situations. Students develop those key numeracy skills required for any career.

## ASPIRING, RESPONSIBLE CITIZENS

Maths aims to help students develop problem solving skills that can be transferred to all aspects of modern life. Students work in groups and learn to be active listeners that work together to solve problems.

# CURRICULUM MAP KS3

	AUTUMN 1	AUTUMN 2	SPRING 1	SPRING 2	SUMMER 1	SUMMER 2
Y7	Sequences Algebraic notation and substitution Expressions and equations	Place value, ordering and rounding Four operations Averages and range	Rounding and estimation Graphing Data Fractions decimals and percentages	Directed number Fractions and percentages of amounts Perimeter and Area	Speed, distance, time Properties of number	Add and subtract fractions Angles and polygons
ASSESSMENT	Cumulative assessment of Autumn term		Cumulative assessment of full year			
Y8	Ratio Proportion and scale Algebraic manipulation	Coordinates and graphs Multiply and divide fractions Symmetry and reflection	Area, volume and density Equations and inequalities Percentages	Indices and standard form Interpret and represent data	Angles in parallel lines and polygons Tables and probability	Circles Graphs and charts Sequences
ASSESSMENT	Cumulative assessment of Autumn term		Cumulative assessment of Autumn term			
Y9	Properties of number Percentages Area and volume	Equations, inequalities and formulae Fractions and rates Standard form	Maths and money Straight line graphs Ratio and proportion	Constructions and congruence Similarity Algebraic manipulation	Pythagoras' Theorem Non-linear graphs Sets and probability	Transformations  HIGHER: Simultaneous equations Trigonometry  FOUNDATION: RECAP
ASSESSMENT	Cumulative assessment of Autumn term		Cumulative assessment of Autumn term			