

# Mathematics

Head of Maths - Mrs A Crowder

KS3 Co-ordinator - Mrs A Cooper

## Topics of Study This Year:

All sets: GCSE Statistics (Edexcel) and GCSE Maths

Higher GCSE Statistics and Maths	<b><u>Half Term 1</u></b>	<b><u>Half Term 3</u></b>	<b><u>Half Term 5</u></b>
	Negative numbers	Fractions	Measures
	Angles and Parallel lines	Area and perimeter	Linear graphs
	Sequences	Probability	Pythagoras theorem and Trigonometry
	Averages	Time series and moving averages	Equations
	Data	Cumulative Frequency	<b><u>Half Term 6</u></b>
	Scattergraphs	Index Numbers	Statistics revision
	<b><u>Half Term 2</u></b>	<b><u>Half Term 4</u></b>	Statistics exam
	Decimals	Powers, roots and standard form	Construction
	Algebra– brackets	Special numbers	2D and 3D shapes
Ratio	Substitution		
Coursework-planning	Circles and volume		
Displaying data	Transformations		
Statistics Coursework	Percentages		
Foundation GCSE Statistics & Maths	<b><u>Half Term 1</u></b>	<b><u>Half Term 3</u></b>	<b><u>Half Term 5</u></b>
	Negative numbers	Fractions	Measures
	Angles and Parallel lines	Area, and perimeter	Linear graphs
	Sequences and the Nth term	Probability	Pythagoras theorem
	Averages	Time series and moving averages	Equations
	Data	Displaying Data	Transformations
	<b><u>Half Term 2</u></b>	Retail Index Numbers and Chloropleth Graphs	Speed, Distance, Time
	Decimals	<b><u>Half Term 4</u></b>	<b><u>Half Term 6</u></b>
	Algebra-Simplifying	Powers, roots and standard form	Statistics revision
	Ratio	Special numbers	Statistics exam
Displaying data	Substitution	Construction	
Statistics Coursework	Circles and volume	2D and 3D shapes	
	Percentages		

## Assessments:

Students will sit graded tests at the end of every half term and therefore will be expected to revise for these throughout the year. In April all pupils will take an end of year graded assessment and there will also be a mock GCSE Statistics exam in January and pupils will take the GCSE Statistics examination in June.

## Homework:

A written exercise will be given weekly by class teachers, this is in addition to the weekly Online homework.

## Other Useful Information:

Students will need a scientific calculator. These can be purchased from Student Services at a cost of £6.