

Topic: Similarity Congruence, s enlargement Trigonometry	equations & inequalities Simultaneous equations	Developing algebra Representing solutions of equations & inequalities Simultaneous equations  Geometry Angles & bearings Working with circles Vectors	Topic: Proportions & proportional change Ratios & fractions Percentages & Interest Probability	Topic: Delving into data Collecting, representing & interpreting data Using number Non-calculator methods	Topic: Using number Types of number & sequences Indices & roots Expressions Manipulating expression
Intent: Building on experience enlargemen similarity in years, this uextends pupexperiences more formadealing with such as similarity with such as similarity with angled trian	covered both equations and inequalities at key stage 3 and this unit offers the opportunit to revisit and reinforce standard techniques and deepen their understanding.  ry is as a e of thin right	Pupils will have covered both equations and inequalities at key stage 3 and this unit offers the opportunity to revisit and reinforce standard techniques and deepen their  As well as the forma introduction of bearings, this block provides a great opportunity to revisit other materials and make links across the mathematics curriculum. Pupils will have met vectors	in KS3. Calculator methods are encouraged throughout and are essential for repeated percentage	Intent: This unit builds on KS3 work on the collection, representation and use of summary statistics to describe data. Much of the content is familiar, both from previous study within and beyond mathematics	Intent: This unit revises and builds on KS3 content for calculation. Mental methods and using number sense are to be encouraged alongside the formal methods for all four operations with integers, decimals and fractions.
Implementa In lessons computers, and written white board tasks mainly led. The use to be encou show and co different gra- diagrams.	using calculators work, s and short y teacher e of ICT is raged to reate  In lessons using computers, calculators and written work, white boards and short tasks mainly teache led	In lessons using computers, calculators and written work, white boards and short tasks mainly teacher  In lessons using computers, calculators and written work, white boards and short tasks mainly teacher	Implementation: In lessons using computers, calculators and written work, white boards and short tasks mainly teacher led.	Implementation: In lessons using computers, calculators and written work, white boards and short tasks mainly teacher led .Cross curriculum links geography science and real life to be investigated.	Implementation: In lessons using computers, calculators and written work, white boards and short tasks mainly teacher led. A field trip to see how maths work outside of school.



ne Brades	Impact:	Impact:	Impact:	Impact:	Impact:	Impact:
	The aim of this year is to prepare pupils for GCSE maths and pupils will be able to	The aim of this year is to prepare pupils for GCSE maths.	The aim of this year is to prepare pupils for GCSE maths.	The aim of this year is to prepare pupils for GCSE maths.	The aim of this year is to prepare pupils for GCSE maths.	The aim of this year is to prepare pupils for GCSE maths.
	use formal methods and be comfortable with trigonometry.					



Year 11	Topic: Gradients & Lines Non-Linear graphs Using graphs	Topic: Expanding and factorising Changing the subject Functions	<b>Topic:</b> Multiplicative Geometric Algebraic	Topic: Transforming & Constructing Listing & describing Show that	<b>Topic:</b> Revision	<b>Topic:</b> Revision
	Intent: Pupils to plot straight lines from a given equation. Pupils will look at quadratic, cube and reciprocal graphs. To revise conversion graphs and reflection in straight lines.	Intent: This unit reviews expanding and factorising before moving on to quadratics. Also looking at the rearrangement of familiar and unfamiliar formulae. Also we will revisit trigonometric functions.	Intent: This unit will look at developing multiplicative reasoning in a variety of contexts. A Consolidation of angles facts to solve geometric problems. To develop algebraic reasoning by looking at more complex situations.	Intent: This unit will explore all the transformations and constructions relating symmetry and properties of shapes. Revision and extend pupils. This is also to suit the needs of the class.	Intent: Revision	Intent: Revision
	Implementation: In lessons using computers, calculators and written work, white boards and short tasks mainly teacher led	Implementation: In lessons using computers, calculators and written work, white boards and short tasks mainly teacher led	Implementation: In lessons using computers, calculators and written work, white boards and short tasks mainly teacher led	Implementation: In lessons using computers, calculators and written work, white boards and short tasks mainly teacher led	Implementation: In lessons using computers, calculators and written work, white boards and short tasks mainly teacher led	Implementation: In lessons using computers, calculators and written work, white boards and short tasks mainly teacher led



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	This unit will build on the earlier study of straight line graphs. Also responding to the needs of the class in preparation of GCSE.	To respond to the needs of the class in preparation of GCSE.	To respond to the needs of the class in preparation of GCSE.	To respond to the needs of the class in preparation of GCSE.	To respond to the needs of the class in preparation of GCSE.	To respond to the needs of the class in preparation of GCSE.