

Intent

Through our curriculum at Woolton High School, we want to offer all pupils the chance to realise mathematics is essential to everyday life. Our curriculum is designed to enable all pupils to progress in maths regardless of ability. As the students progress through their maths journey here at Woolton High they will develop skills and confidence that will enable them to reason mathematically, develop fluency in numeracy and use their skills in everyday aspects of life as they enter adulthood. This is important for their future prospects of employment, financial literacy, and use of money and budgeting.

It is our mission to equip all pupils with the correct maths skills to overcome barriers to learning and participation and provide them with a firm foundation to transition from secondary school to post-16 provision. This is done by delivering various topics on Maths and money, budgeting, and life skills which will all give pupils a rounded understanding and confidence to use mathematics in their everyday life.

Implementation

All learners will be given various qualification pathways based on their ability and progress through their time at Woolton High. The maths curriculum caters to all our learner's needs regardless of ability and enables all our pupils to progress, develop confidence in mathematics and reach their full potential.

All students will be taught a range of topics that cover the six key areas of mathematics: Algebra, Number, Ratio and Proportion, Geometry and Measures, Statistics, and Probability.

Lessons are based on the assessing, plan and teach model in conjunction with White Rose maths. Pupils are assessed at the end of each topic for feedback on planning and they are also assessed at the end of each term using GL assessment. There is a focus on retention and consolidation of learning in maths that allows pupils to recap and recall the work that they have completed, and there are opportunities for pupils to catch up with any work they may have missed. It's crucial that all pupils have some understanding of the topic before moving on to ensure they have the best possible chance to succeed.

During lessons, pupils are encouraged to use live marking that helps them understand what level they are working at based on a bronze, silver, and gold assessment system. All pupils are then given various styles of feedback so they have a full grasp of the topic and what areas they need to work on to improve.

Year 7 long term plan

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12
Autumn term	Number Place value VIEW	Number Addition, subtraction, multiplication and division VIEW					Number Fractions A VIEW	Number Fractions B VIEW	Measurement Converting units VIEW			
Spring term	Number Ratio VIEW	Number Algebra VIEW	Number Decimals VIEW	Number Fractions decimals and percentages VIEW	Measurement Area, perimeter and volume VIEW	Statistics VIEW						
Summer term	Geometry Shape VIEW	Geometry Position and direction VIEW	Themed projects, consolidation and problem solving									

Year 8 long term plan

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12
Autumn term	<p>Algebraic thinking</p> <p>Sequences</p> <p>VIEW</p>	<p>Algebraic thinking</p> <p>Understand & use algebraic notation</p> <p>VIEW</p>	<p>Algebraic thinking</p> <p>Equality & equivalence</p> <p>VIEW</p>	<p>Place value & proportion</p> <p>Place value & ordering integers & decimals</p> <p>VIEW</p>		<p>Place value & proportion</p> <p>Fraction, decimal & percentage equivalence</p> <p>VIEW</p>						
Spring term	<p>Applications of number</p> <p>Solving problems with addition & subtraction</p> <p>VIEW</p>	<p>Applications of number</p> <p>Solving problems with multiplication & division</p> <p>VIEW</p>		<p>Fractions & percentages of amounts</p> <p>VIEW</p>	<p>Directed number</p> <p>Operations & equations with directed number</p> <p>VIEW</p>			<p>Fractional thinking</p> <p>Addition & subtraction of fractions</p> <p>VIEW</p>				
Summer term	<p>Lines & angles</p> <p>Constructing, measuring & using geometric notation</p> <p>VIEW</p>		<p>Lines & angles</p> <p>Developing geometric reasoning</p> <p>VIEW</p>			<p>Reasoning with number</p> <p>Developing number sense</p> <p>VIEW</p>		<p>Reasoning with number</p> <p>Sets & probability</p> <p>VIEW</p>		<p>Reasoning with number</p> <p>Prime numbers & proof</p> <p>VIEW</p>		

Year 9 long term plan

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12
Autumn term	Proportional reasoning Ratio & scale VIEW	Proportional reasoning Multiplicative change VIEW	Proportional reasoning Multiplying and dividing fractions VIEW	Representations Working in the Cartesian plane VIEW		Representations Representing data VIEW	Representations Tables & Probability VIEW					
Spring term	Algebraic techniques Brackets, equations & inequalities VIEW			Algebraic techniques Sequences VIEW	Algebraic techniques Indices VIEW	Developing Number Fractions & percentages VIEW		Developing Number Standard index form VIEW	Developing Number Number sense VIEW			
Summer term	Developing geometry Angles in parallel lines & polygons VIEW		Developing geometry Area of trapezia & circles VIEW	Developing geometry Line symmetry & reflection VIEW	Reasoning with data The data handling cycle VIEW				Reasoning with data Measures of location VIEW			

KS4 (10 and 11) Curriculum Map

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12
Autumn	Reasoning with Algebra						Constructing in 2 and 3 Dimensions					
	Straight Line Graphs	Forming and Solving Equations		Testing Conjectures		Three-dimensional Shapes			Constructions and Congruency			
Spring	Reasoning with Number						Reasoning with Geometry					
	Numbers	Using Percentages		Maths and Money		Deduction		Rotation and Translation		Pythagoras' Theorem		
Summer	Reasoning with Proportion						Representations and Revision					
	Enlargement and Similarity	Solving Ratio & Proportion Problems		Rates		Probability		Algebraic Representation	Revision			