

# mulberry

Wood Wharf Primary



## EY, KS1 and KS2 Maths Overview

- **Access to education and the chance to be educated is a human right in a civilised world**
- **Education should provide rich intellectual and personal development for individuals and communities of people**
- **Education is a public good**

## Our Values



## Vision

Mulberry Wood Wharf Primary is committed to striving for excellence in all that we do. Our vision is that pupils become creative and ambitious learners who strive to do their best at all times because they are motivated and guided by outstanding teams within the school. They will be able to contribute to their local community and understand how their actions impact upon the wider world. They will be caring citizens who know how to keep themselves safe and who realise that they have a role to play in looking after others. As we develop our teaching and our curriculum, we are aiming for outstanding in all that we do.

**Outstanding Achievement For All**

Our Values

Our Characteristics of effective learning



We are Authors!



We are designers and artists!



We are Scientists!



We are Historians!



We are explorers!



We are mathematicians!



We are articulate!



We are performers!

# Maths Intent



Mulberry  
Wood Wharf Primary



Our intent for mathematics is to inspire a love of learning by developing confident, resilient, and curious problem-solvers who are well-equipped for the challenges of the wider world.

We follow the White Rose Maths scheme to ensure that our curriculum is structured, progressive, and inclusive. It provides all pupils with a solid foundation in fluency, reasoning, and problem-solving while promoting a deep understanding of mathematical concepts.

Our curriculum aims to:

- **Build resilience:** We encourage children to embrace challenges and view mistakes as opportunities for growth, fostering a growth mindset that extends beyond mathematics.
- **Promote enjoyment:** Through engaging and purposeful lessons, we nurture a genuine enthusiasm for mathematics, helping children to see its relevance and application in real-life contexts.
- **Develop problem-solving skills:** Children are equipped with strategies to approach a variety of problems systematically and creatively, ensuring they can think critically and independently.
- **Ensure fluency and mastery:** By providing opportunities for repetition and practice, pupils develop fluency in key mathematical skills and are able to apply their knowledge flexibly in new and unfamiliar contexts.
- **Prepare for the wider world:** Through real-life contexts and cross-curricular opportunities, children learn how mathematics connects to their everyday lives, enabling them to make informed decisions as future citizens.

We believe all children can succeed in mathematics. By fostering confidence, resilience, and enjoyment, we aim to develop learners who are well-prepared to tackle future challenges and understand the vital role mathematics plays in the modern world.

# Reception overview

	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	Getting to know you		Match, sort and compare <small>Free trial</small> VIEW	Talk about measure and patterns VIEW	It's me 1, 2, 3 VIEW		Circles and tri... VIEW	1, 2, 3, 4, 5 VIEW		Shapes with 4 ... VIEW		
Spring term	Alive in 5 VIEW	Mass and capa... VIEW	Growing 6, 7, 8 VIEW	Length, height and time VIEW	Building 9 and 10 VIEW	Explore 3-D shapes VIEW						
Summer term	To 20 and beyond VIEW	How many now? VIEW	Manipulate, compose and decompose VIEW	Sharing and grouping VIEW	Visualise, build and map VIEW	Make connecti... VIEW	Consolidation					

# Year 1 overview

	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>Number</p> <p><b>Place value</b></p> <p>(within 10)</p> <p><a href="#">VIEW</a></p> <p><i>Free trial</i></p>					<p>Number</p> <p><b>Addition and subtraction</b></p> <p>(within 10)</p> <p><a href="#">VIEW</a></p>					<p>Geometry</p> <p><b>Shape</b></p> <p><a href="#">VIEW</a></p>	<p>Consolidation</p>
Spring term	<p>Number</p> <p><b>Place value</b></p> <p>(within 20)</p> <p><a href="#">VIEW</a></p>	<p>Number</p> <p><b>Addition and subtraction</b></p> <p>(within 20)</p> <p><a href="#">VIEW</a></p>			<p>Number</p> <p><b>Place value</b></p> <p>(within 50)</p> <p><a href="#">VIEW</a></p>	<p>Measurement</p> <p><b>Length and height</b></p> <p><a href="#">VIEW</a></p>	<p>Measurement</p> <p><b>Mass and volume</b></p> <p><a href="#">VIEW</a></p>					
Summer term	<p>Number</p> <p><b>Multiplication and division</b></p> <p><a href="#">VIEW</a></p>	<p>Number</p> <p><b>Fractions</b></p> <p><a href="#">VIEW</a></p>	<p>Geometry</p> <p><b>Position and di...</b></p> <p><a href="#">VIEW</a></p>	<p>Number</p> <p><b>Place value</b></p> <p>(within 100)</p> <p><a href="#">VIEW</a></p>	<p>Measurement</p> <p><b>Money</b></p> <p><a href="#">VIEW</a></p>	<p>Measurement</p> <p><b>Time</b></p> <p><a href="#">VIEW</a></p>	<p>Consolidation</p>					

# Year 2 overview

	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>Number</p> <p><b>Place value</b></p> <p>VIEW</p>				<p>Number</p> <p><b>Addition and subtraction</b></p> <p>VIEW</p>				<p>Geometry</p> <p><b>Shape</b></p> <p>VIEW</p>			
Spring term	<p>Measurement</p> <p><b>Money</b></p> <p>VIEW</p>		<p>Number</p> <p><b>Multiplication and division</b></p> <p>VIEW</p>				<p>Measurement</p> <p><b>Length and height</b></p> <p>VIEW</p>		<p>Measurement</p> <p><b>Mass, capacity and temperature</b></p> <p>VIEW</p>			
Summer term	<p>Number</p> <p><b>Fractions</b></p> <p>VIEW</p>		<p>Measurement</p> <p><b>Time</b></p> <p>VIEW</p>			<p><b>Statistics</b></p> <p>VIEW</p>		<p>Geometry</p> <p><b>Position and direction</b></p> <p>VIEW</p>		<p>Consolidation</p>		

Free trial

# Year 3 overview

	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>Number</p> <p><b>Place value</b></p> <p>VIEW</p> <p><i>Free trial</i></p>			<p>Number</p> <p><b>Addition and subtraction</b></p> <p>VIEW</p>				<p>Number</p> <p><b>Multiplication and division A</b></p> <p>VIEW</p>				
Spring term	<p>Number</p> <p><b>Multiplication and division B</b></p> <p>VIEW</p>			<p>Measurement</p> <p><b>Length and perimeter</b></p> <p>VIEW</p>			<p>Number</p> <p><b>Fractions A</b></p> <p>VIEW</p>		<p>Measurement</p> <p><b>Mass and capacity</b></p> <p>VIEW</p>			
Summer term	<p>Number</p> <p><b>Fractions B</b></p> <p>VIEW</p>		<p>Measurement</p> <p><b>Money</b></p> <p>VIEW</p>		<p>Measurement</p> <p><b>Time</b></p> <p>VIEW</p>			<p>Geometry</p> <p><b>Shape</b></p> <p>VIEW</p>		<p><b>Statistics</b></p> <p>VIEW</p>		<p>Consolidation</p>

# Year 4 overview

	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>Number</p> <p>Place value</p> <p><i>Free trial</i></p> <p>VIEW</p>				<p>Number</p> <p>Addition and subtraction</p> <p>VIEW</p>		<p>Measurement</p> <p>Area</p> <p>VIEW</p>	<p>Number</p> <p>Multiplication and division A</p> <p>VIEW</p>			<p>Consolidation</p>	
Spring term	<p>Number</p> <p>Multiplication and division B</p> <p>VIEW</p>		<p>Measurement</p> <p>Length and perimeter</p> <p>VIEW</p>		<p>Number</p> <p>Fractions</p> <p>VIEW</p>			<p>Number</p> <p>Decimals A</p> <p>VIEW</p>				
Summer term	<p>Number</p> <p>Decimals B</p> <p>VIEW</p>	<p>Measurement</p> <p>Money</p> <p>VIEW</p>	<p>Measurement</p> <p>Time</p> <p>VIEW</p>	<p>Consolidation</p>	<p>Geometry</p> <p>Shape</p> <p>VIEW</p>		<p>Statistics</p> <p>VIEW</p>	<p>Geometry</p> <p>Position and direction</p> <p>VIEW</p>				



# How we assess Maths

At Mulberry Wood Wharf, we believe that assessment is a crucial part of helping our pupils progress in their mathematical understanding. We use a variety of assessment methods to ensure that we are accurately tracking children's learning, identifying areas where support is needed, and providing timely feedback to help them succeed.

We place a strong emphasis on **formative assessment** throughout the year, ensuring that we regularly assess pupils' understanding during lessons. This includes providing **immediate feedback** to children, often in real-time, to help them understand what they have learned and where they can improve. By observing how children approach tasks, solve problems, and use mathematical reasoning, we can gauge their progress and adjust teaching accordingly. This allows us to provide timely support and challenge to ensure all pupils are progressing.

At the end of each unit, we complete **end-of-unit tests** to assess how well the children have understood the key concepts and skills covered. These tests give us a clear snapshot of pupils' understanding and allow us to identify any gaps in learning. After the tests, we **analyse** the results in detail to pinpoint areas that may need further teaching and intervention. This helps us plan the next steps in their learning and ensure that all children are mastering key mathematical concepts.

We use a powerful tool called **Smartguard** to track our pupils' progress and compare our data with other schools. This allows us to benchmark our performance and ensure that our pupils are achieving at a high standard in comparison to national expectations. Smartguard helps us identify trends and areas for improvement, ensuring that we are providing the best possible maths education for our students.

We use a balanced approach to assessment by combining **teacher assessments** with **test assessments**. Teachers continuously assess pupils' progress through observations, interactions, and day-to-day activities. This is combined with the results of the end-of-unit tests to create a comprehensive view of each pupil's learning. By combining these different forms of assessment, we can make informed decisions about each child's next steps and provide personalised support where needed.

Throughout the academic year, we track progress against **key milestones** to ensure that pupils are meeting the expected standards for their age group. We use these milestones to review progress and plan interventions as necessary.

To ensure the accuracy and consistency of our assessments, we work closely with our **Maths Lead** to **moderate our judgements** and ensure that our assessments are fair and reliable. We also participate in **external moderation events**, where we collaborate with other schools to review and compare our assessments. This helps us ensure that our standards are in line with national expectations and that we are accurately tracking the progress of all our pupils.

By combining continuous teacher assessments, end-of-unit tests, and external moderation, we aim to provide a thorough and accurate picture of each pupil's progress in maths. This approach allows us to identify areas of strength and areas for further development, ensuring that every child reaches their full potential.