

### Woodsetton School Maths Overview

At Woodsetton we aim to provide pupils with an engaging Maths curriculum which equips them with the knowledge and skills to make expected progress or better, as well as the ability and confidence to apply these skills in everyday situations.

#### Our Approach

Our Maths curriculum is inclusive of all pupils and follows a progression of skills which clearly identifies next steps for all learners to build on their knowledge. The White Rose Scheme of Learning is used to supplement teaching and resources across school. We have also adopted the White Rose Maths Calculations Policy which supports the Concrete, Pictorial, Abstract (CPA) mastery approach to teaching and learning. This ensures consistency in delivery of Maths across the school and deepens and embeds pupils understanding so that they can move on to more advanced material.

Maths is taught over 4 sessions each week in all classes. These consist of 2 Number sessions, 1 Shape, Space and Measure session and 1 Using and Applying session.

Area	Delivery	Home
<b>Number</b>	<p><b>EYFS</b></p> <p>The EYFs framework states that 'Developing a strong grounding in number is essential so that all children develop the necessary building blocks to excel mathematically'.</p> <p>Children in the EYFS at Woodsetton are guided in developing skills with numbers and calculations through practical and exploratory activities to promote their enjoyment of Maths and recognition of numbers.</p> <p><b>KS1 and 2</b></p> <p>The National Curriculum for Number focuses on the following areas:</p> <ul style="list-style-type: none"> <li>• Number and Place value</li> <li>• Addition and Subtraction</li> </ul>	<p>You can support your child at home in many ways for Maths via exposure to numbers, solving real life problems, paying for items in a shop, telling the time, recognising shapes ... the list is endless.</p>

	<ul style="list-style-type: none"> <li>• Multiplication and Division</li> <li>• Fractions</li> </ul> <p>These areas are used to structure the number element of teaching and learning in all classes (2 sessions each week). Areas are delivered regularly using a spiral curriculum to ensure our pupils retain what they have learnt over time.</p> <p><b><u>The CPA Approach</u></b></p> <p>When children are introduced to a new concept, they should have the opportunity to build competency by following the CPA approach.</p> <ul style="list-style-type: none"> <li>• Concrete ~ Children will have the opportunity to work with physical objects/concrete resources, in order to bring Maths to life and to build understanding of what they are doing.</li> <li>• Pictorial ~ Alongside concrete resources, children will work with pictorial representations, making links to the concrete. Visualising a problem in this way will help children to reason and solve problems.</li> <li>• Abstract ~ With the support of both the concrete and pictorial representations, children will develop their understanding of abstract methods and the use of number.</li> </ul>	<p>You can access free resources and activities on the White Rose website <a href="https://whiterosemaths.com/">https://whiterosemaths.com/</a> to also help your child.</p> <p>The NCETM website also contains lots of information regarding the teaching of Maths and has a large range of resources <a href="https://www.ncetm.org.uk/">https://www.ncetm.org.uk/</a></p>
Shape, Space and Measure	<p>The EYFs framework states 'It is important that the curriculum includes rich opportunities for children to develop their spatial reasoning skills across all areas of mathematics including shape, space and measures.'</p> <p>Children in the EYFS at Woodsetton are guided in developing their spatial reasoning skills including shape, space and measures through practical and exploratory activities to promote their enjoyment of Maths.</p> <p><b><u>KS1 and 2</u></b></p> <p>The National Curriculum for Shape, Space and Measure focuses on the following areas:</p> <ul style="list-style-type: none"> <li>• Measurement</li> </ul>	<p>You will also find lots of interactive games and websites online that can be used to support your child's learning. (some of these can be found in our homes learning section).</p>

	<ul style="list-style-type: none"> <li>• Geometry ~ properties of shapes</li> <li>• Geometry ~ position and direction</li> </ul> <p>These areas are used to structure the SSM element of teaching and learning in all classes (1 session each week). Areas are delivered regularly using a spiral curriculum to ensure our pupils retain what they have learnt over time.</p>	
Using and Applying	<p>Using and Applying sessions (1 per week) are used to embed and build on the application of the Maths skills that have been taught in both Number and SSM sessions. Children are encouraged and supported to complete tasks linked to life skills and real life situations where these knowledge and skills would be needed.</p> <p>Each classroom at the Woodsetton is rich in practical mathematical resources and Maths learning walls should be clearly visible for children to use and refer to when applying their skills. Where possible displays should be tactile, sensory and interactive. Displays should also use appropriate Maths vocabulary for the learners in the classroom and be updated regularly to reflect the area of Maths being taught.</p> <p>The 'Mathseeds' Online learning platform is used as a Personalised Intervention Program across school to support the delivery of Mathematics. As this is individualised to each pupil, it gives and promotes an appropriate level of challenge and supports areas of learning to be developed. This and also the Education City platform, can be accessed at both home and school to develop and enhance Maths knowledge and skills.</p> <p>Mathematics is an integral part of our daily lives and therefore manifests itself in many areas of the curriculum. Maths links will be made and embedded within other curriculum areas throughout EYFS-KS2.</p>	
<u><b>Summary</b></u>		
<p>We aim to provide an enriched Maths curriculum within an engaging and vibrant environment, with structured resources, support and assessment as well as clear progression of skills and pathways for pupils to become independent learners applying their skills in a range of real-life, everyday situations and leaving Woodsetton with life enhancing skills.</p>		

