



## MATHEMATICS

INTENT – By the end of KS2 all children at Cardinal Newman School will be fluent in the fundamentals of maths and have developed the necessary oracy, reasoning and problem solving skills required to be a mathematical thinker ready for the next stage of their education.

## Implementation: In Maths at Cardinal Newman School we embed our intent in our pupils learning journey by:

- Teaching Maths on a daily basis from EYFS to Year 6 using White Rose Maths Mastery approach to consolidate learning and ensure progression, coverage and depth of knowledge across the school alongside NCTEM resources.
- Using the Concrete, Pictorial and Abstract approach to help children understand concepts and make connections between different representations
- Providing small steps in learning, clear progression, modelling and adaptive teaching to support all learners to flourish in fundamental mathematical skills.
- Consolidating of learning through retrieval activities and challenge using rich and sophisticated problems
- Using appropriate mathematical language and questioning so pupils can develop mathematical oracy skills
- Applying mathematical knowledge and reasoning skills to engaging real-life problems.
- Identifying and supporting vulnerable learners, addressing common misconceptions and implementing timely, targeted interventions to address issues.
- Embedding quality teaching and learning through CPD, collaboration and coaching.
- Providing opportunities for memorable experiences to understand how maths is used in the real world, develop financial literacy and build cultural capital through visits from experts

Life Skills:	
to develop lifelong learning	<ul> <li>Developing fluency in written methods for all four operations and in working with fractions, decimals and percentages</li> </ul>
powers and competent	• Ability to solve problems with positive mindsets and be confident in justifying their thinking using appropriate methods and rich mathematical
mathematicians	language
	<ul> <li>Understanding the importance of making rich connections and learning from mistakes</li> </ul>
	<ul> <li>Equipping with essential Maths skills to enable pupils to further their education</li> </ul>
	Providing a strong foundation for understanding and navigating the wider world.
Opportunities for Learning:	
success and challenge	Planning a progressive, whole school Curriculum from EYFS to Year 6 that provides small steps and opportunities for success and challenge within
within and beyond the	each lesson.
curriculum to achieve our	<ul> <li>Applying mathematical knowledge in other subjects (e.g science, DT, ICT, geography, PSHE)</li> </ul>
full potential	<ul> <li>Providing opportunities for active maths games and outdoor learning</li> </ul>
	<ul> <li>Collaborating with peers and other schools to provide challenge</li> </ul>
	<ul> <li>Providing extracurricular clubs to build on mathematical knowledge and a sense of enjoyment and curiosity about the subject.</li> </ul>
Values	
guided by the Gospels to	Supportive classroom environments
develop caring respectful	<ul> <li>opportunities to develop team work through paired work and collaboration</li> </ul>
relationships	providing inclusive opportunities for all children
Experience of serving others:	
within and beyond the	Opportunities to support others within the school community (Year 6 mentors, fundraising, school events, Year 6 Enterprise)
school community.	