



Draycott & Rodney Stoke C of E First School

Together, We Flourish and Grow



Mathematics

Intent, Implementation and Impact statement

Intent

At Draycott & Rodney Stoke First School, our intent for the mathematics curriculum is to provide a robust foundation that equips all pupils with the skills and knowledge they require to thrive both academically and in everyday life. Our whole curriculum is shaped by our school vision, which aims to enable all children, regardless of background, ability, or additional needs, to flourish and become the very best they can be. We aspire to foster a love for mathematics, where pupils are inspired to discuss concepts, cultivate curiosity, and develop problem-solving skills that will benefit them throughout their education and future pursuits.

Our curriculum is underpinned by the following key principles:

- **Complexity and Depth:** We aim for pupils to develop a deep understanding of mathematical concepts, moving beyond rote memorisation to ensure they can apply their knowledge in different contexts.
- **Inclusivity:** In alignment with our school vision, we recognise that every pupil is unique, and we are committed to providing an inclusive learning environment that supports the needs of all students, empowering them to thrive and realise their full potential.
- **Real-World Connections:** We will highlight the relevance and applications of mathematics in real life scenarios to promote its importance and cultivate a sense of purpose in learning.
- **Growth Mindset:** We encourage all pupils to adopt a growth mindset, fostering resilience and perseverance in the face of challenges.

Implementation

To realise our intent, we have designed a well-structured and engaging mathematics curriculum that adheres to the National Curriculum while also incorporating resources from the National Centre for Excellence in the Teaching of Mathematics (NCETM). Our implementation encompasses:

- **Structured Planning:** Each year group follows a progressive sequence of topics, ensuring a coherent pathway of learning that builds upon prior knowledge and prepares pupils for future mathematical concepts. Our planning is significantly informed by NCETM resources to ensure that instructional strategies are evidence-based and effective. We also take account of getting the children ready in year 4 to sit their Multiplication Tables Check (MTC).
- **Professional Development:** Teachers are provided with ongoing professional development opportunities, including training on NCETM frameworks, dynamic teaching strategies, use of manipulatives, and understanding of children's mathematical thinking.
- **Interactive Learning:** We employ diverse teaching strategies, including collaborative group work, hands-on activities, and the use of technology. These approaches, supported by NCETM materials, cater to different learning styles and ensure high levels of engagement.
- **Mastery Approach:** Our curriculum promotes mastery learning, where pupils are encouraged to achieve a high level of understanding before moving on to new topics. The mastery approach is heavily influenced by NCETM methodologies, ensuring our pupils develop a concrete understanding of mathematical concepts and are able to talk about the maths they are learning.
- **Parental Engagement:** We actively involve parents in their children's learning by providing resources and offering support which empowers them to support their child's mathematics journey at home, extending the impact of our curriculum beyond the classroom.

Impact

The effectiveness of our mathematics curriculum is evidenced through various metrics and feedback mechanisms, all reflecting our commitment to our vision:

- **Pupil Outcomes:** We strive to achieve strong outcomes in internal assessments, demonstrating that our pupils are well-prepared for the next stage in their education and have a solid grasp of mathematical concepts.
- **Pupil Engagement:** Pupil voice surveys indicate high levels of enjoyment and confidence in mathematics. Our students express a sense of belonging and are eager to participate actively in lessons, evidencing their flourishing in a supportive environment.
- **Curriculum Evaluations:** Regular monitoring and evaluation of our curriculum, including lesson observations and learning walks, affirm that teaching is consistently of high quality and promotes deep learning.

Through this comprehensive intent, implementation, and impact framework, we are proud to provide an outstanding mathematics education that equips our pupils to flourish and achieve their fullest potential.