

Intent, Implementation and Impact in Mathematics

Aims: At Dover Park Primary School, mathematics education should be fully inclusive to every child. Our aims are to fulfil the requirements of the National Curriculum for mathematics by providing a broad, balanced and differentiated curriculum; ensuring the progressive development of mathematical concepts, knowledge and skills; and for the children to develop a love for mathematics. Furthermore, we aim to inspire in pupils a curiosity and fascination about mathematics that will remain with them for the rest of their lives.

Maths teaching at Dover Park Primary School has a wide application to everyday life. A high-quality maths education will help pupils gain skills essential to everyday life, financial literacy and skills that are essential in most forms of employment. It will provide the children with a solid foundation for understanding the world around them.

Intent	Implementation	Impact
<ul style="list-style-type: none"> • To inspire pupils’ curiosity to discover more about mathematics for each domain through an ambitious curriculum • Design an inclusive curriculum that meets the needs of all pupils • To produce coherent planning, that sequentially builds on prior learning, within year groups and across • Build resilience and perseverance in pupils so that they continue to apply effort when finding learning difficult to understand • Pupils to be fluent in the fundamentals of mathematics, appropriate to the age range; answering questions with automaticity • Pupils to show confidence in reasoning about number, following a line of enquiry, noticing relationships between numbers and developing the notion of proving their knowledge, linked to evidence • Pupils to be able to apply their mathematical knowledge to problem solving; breaking problems down into a series of more manageable chunks • To develop children’s use of appropriate mathematical language/terminology • Pupils to be able to work in a methodical and organised way; including presentation of work 	<p>Mathematics is taught daily. Each domain is planned as a separate unit; however, the expectation is that within each domain taught there will be cross-domain questions.</p> <p>When planning the delivery of the history curriculum, teachers will:</p> <ul style="list-style-type: none"> • Provide a rich mathematics curriculum to promote children’s engagement with the subject • Provide pupils with challenges that will build up their resilience and motivate them to achieve • Ensure pupils have opportunities to tackle problems independently before guiding potential solutions • Provide pupils with opportunities to use resources and drawings to support their working out • Provide opportunities for pupils to work in all domains, using a variety of methods/strategies • Ensure that correct mathematical language is explicitly taught and modelled • Provide opportunities for pupils to use mathematical language in verbal and written responses • Ensure that pupils are presented with tasks which, promote skills of enquiry, investigation, analysis, evaluation and problem solving throughout their time at Dover Park. • Provide opportunities to learn outside of the classroom and participate in educational programmes and activities that promote real life learning, such as, Virgin Money Make 5 Grow 	<p>Children will:</p> <ul style="list-style-type: none"> • Develop an interest in maths and how it links to the world around them • Become confident and resilient mathematicians • Increase their use of subject-specific vocabulary in reasoning and explaining • Secure the application of their work in written format using the correct presentation • Be able to verbally express their understanding with confidence and the correct vocabulary • Independently chose and use resources or drawings to support their working out • Be able to choose and correctly use efficient strategies for solving calculations • Improve their levels of attainment in the subject



Dover Park
Primary School

