

Maths

Maths is an essential skill; it is integral to everyday life.

At Duddon St Peter's Primary School, we strive towards creating assured, capable and resilient mathematicians who relish the challenge of maths. Our aim is to enable the children to have the skills to become independent, reflective thinkers and have a can do approach to maths and problem solving.

From the very beginning, we aim to foster a love and enthusiasm for number and mathematical concepts. We nurture the children's interest and understanding so that they can apply their learning in a variety of practical and fun situations. In the early years, we take numbers outside and work to develop counting and calculating skills through adult led activities. The children are then encouraged to consolidate their skills and understanding in their own child initiated play. Shape, space and measure is also given the same practical approach, linking learning to our themes and children's interest and assessing the children's progress on a daily basis to ensure that children work to their full potential.

Through their time with us, we encourage the children to develop their fluency, solve problems and develop their reasoning skills. We have a highly engaging curriculum that ensures pupils develop their confidence and fluency with whole numbers, counting and place value, shape, space and measure. Children learn in an inspiring, practical way, which ensures they have a concrete understanding of concepts before moving on. Our curriculum is a cumulative one, and we ensure that once a topic is covered, it is met many times again in a variety of contexts. Maths tasks are relevant and prepare children for real life experiences such as calculating amounts, telling the time, and solving fractions.

In later years, children become confident in developing efficient written and mental methods and perform calculations accurately with increasingly large numbers. Pupils should read and spell their increasing mathematical vocabulary and be able to make links to other subjects such as Science and Design Technology. The expectation is that the majority of the pupils will move through the Programmes of Study at broadly the same pace. However, decisions about when to progress should always be based on the security of the pupil's understanding and their readiness for the next stages. Where needed, children receive interventions to support certain areas of the curriculum, consolidating their understanding through additional practice. Pupils who grasp concepts rapidly are challenged through a variety of rich, sophisticated problems before being accelerated to the next stage.

Impact:

We aim for all children to think mathematically, enabling them to be creative and fluent and to be able to reason, solve problems and to have a sense of enjoyment and curiosity about maths. The mathematics curriculum equips pupils with a powerful set of tools that prepares them for the world, making connections, thinking logically and the ability to think in abstract ways.

