



Maths Statement

Intent

The intent of our mathematics curriculum is to design a curriculum that is accessible and engaging for all pupils to maximise their potential. We believe that Maths is an important part of our curriculum because it enables all of our children to make rich connections across other areas of the curriculum. We aim to develop and deepen children's, fluency, reasoning and competence in solving increasingly challenging problems. A skill that can be implemented across other curricular domains. We aim to ensure that by the time our pupils leave us that all pupils will have a rich understanding of the Primary maths curriculum that will support them into Secondary School and build strong foundations into further education and beyond. We aim for all of our children to be able to apply their knowledge and skills to everyday lives. Maths adheres to our core values and principles because the best mathematicians are: Creative in their problem solving, Resilient at working through to find alternative solutions, Respectful of each others approaches and challenges they face and Kindness in supporting and encouraging others individual choices when solving problems.

Implementation.

Our maths is taught through a concrete, pictorial and abstract approach, providing all children an opportunity to develop a rich understanding of the maths curriculum in all forms. As a school, we use a wide range of resources to create a broad, balanced and rich maths curriculum. For example, we use the NCETM, Nrich, White Rose and other resources as we feel this provides our children with approaches to support individual progress. We ensure that our lessons are taught in creative and engaging ways using open-ended problems and a wide range of manipulatives to aid and support our children in their learning. Maths is consistently supported in our classrooms with the use of working walls which shows our learning journey, key vocabulary for the unit and examples of concrete, pictorial and abstract concepts to support learning. Our aim is to ensure that the three core areas of the national curriculum are covered in all our lessons: fluency, reasoning and problem solving. We offer the children the opportunity to have varied and frequent practice of their maths skills with the focus on their ability to recall and apply their knowledge rapidly and accurately. Reasoning is a key area in all our lessons and we encourage our children to describe, explain, convince, justify and prove their understanding. Typically, a maths journey through the school may start with some routine fluency problem so children can understand the fundamentals You can also expect to see daily counting within our lessons which will support the children's times table knowledge. Then, we explore mathematics through problem solving and non-routine problems which supports the children with their mathematical resilience. We support the development and teaching of maths through the emphasis of using key vocabulary to support their thinking. We also encourage the children to repeat key concepts through the use of dialogic talk.

Impact

Evidence of strong outcomes for all can be shown through children's quick recall of known facts, including recollection of the times tables by Upper Key Stage 2. Evidence will also be found in their ability to choose an effect mental or written strategy to support their mathematical thinking. Our children will show our 4 key values when working mathematically and as a result of this, the children show a high level of pride in their presentation of their work. On top of this, each child will achieve their expected standard for their stage showing confidence in the objectives taught.

We ensure that all pupils are included and are challenged to be the best they can be through: personalised learning journeys, challenging problem solving linked to real-life contexts and high level questioning which challenge and deepen their conceptual understanding.

Should you wish to know more about our maths curriculum then please look at our long term maps and skills progression document which can be found on our website in the curriculum section.

How about attending one of our parent workshops which are led by our children?