

Maths Subject Statement

Intent

We recognise the importance of ensuring our children feel comfortable and confident to discuss mathematical concepts and the 'mechanics' of maths as well as being able to apply their knowledge in a range of settings. Due to this our Maths Curriculum has been designed to ensure it firstly develops a love of number before providing children with the opportunity to develop a deep understanding of mathematical concepts and application.

Within the subject we value the importance of discussion and explanation to deepen children's understanding but also to develop their communication skills with their peers and adults. The result of this will be children who can ask and answer questions, making links between different areas within maths, and clearly communicate their thoughts and understanding effectively

In teaching maths in this way, children will develop the ability confidently discuss, explain and apply their knowledge developed over time but also providing them with the perseverance and independence to move forward in their educational and future careers.

Implementation

At Edenham we followed a blocked approach adapted from White Rose and using the Jenny Cook Consultancy Calculation Policy. Following this approach allows us to spend time on each concept, considering the pace that a group of children should be moving forwards, as well as ensuring application is built into each concept.

Concepts are taught using concrete, pictorial and abstract resources as appropriate for each child, in doing this we ensure a concept is clearly and confidently understood and can be applied. Fluency, reasoning and application is built into all areas of mathematics.

At the start of each half term Key Instant Recall Facts are provided to parents to help their children, these Recall Facts are re-enforced throughout each half term within school, both in and out side of designated maths sessions.

At the start of each half term children are provided with a homework menu included a range of optional tasks included those with a maths focus. As well as this, maths homework is set every other week using Mathletics – this is done in line with that is occurring in the classroom, but it can also be used as pre-teaching assessment tool.

By focusing on key concepts and the progressive curriculum we have in place throughout school, we believe that children will be able to develop their understanding and as a result be ready for any formative assessments that may occur without the need to focus attentions to any given 'test'.

Impact

Assessment takes place throughout the lesson by both children and adults. At the end of the session teachers group children in relation to the success they have experienced, identify misconceptions and opportunities to challenge. This then provides the teachers with the evidence they need to provide feedback and plan consequential lessons.

At the end of Year 6 children will undergo SATs which informs us of their attainment level at the end of their time at Edenham.

At various points throughout the school year, children from Year 2 to Year 6 will complete a given maths paper alongside all other children within the Lincoln Anglican Academy Trust, this allows us to measure the children's progress as well as identify strengths and weaknesses within the subject to aid teachers in future planning.

Mathematicians at Edenham will be able to:

- Choose efficient methods to solve a problem
- Discuss problems and mathematic scenarios
- Find enjoyment in challenge
- Recall key facts and an increasing pace
- Identify mistakes within their own calculations and go about correcting these