

St Ives Infant & Nursery School - Maths Statement

Intent

At St Ives Infant and Nursery School we believe our mathematics curriculum must provide children with a foundation for understanding number, reasoning, thinking logically and problem solving with resilience so that they are fully prepared for the future. It is essential that these keystones of Mathematics are embedded throughout all strands of the National Curriculum. By adopting a Mastery approach, it is also intended that all children, regardless of their starting point, will maximise their academic achievement and move into key stage 2 with an appreciation and enthusiasm for Maths, giving them a strong foundation to grow a lifelong positive relationship with number.

We ensure that we deliver a high-quality maths curriculum that is both challenging and enjoyable. We want children to make rich connections across mathematical ideas to develop fluency, mathematical reasoning and a growing competence to begin to learn the skills to solve increasingly sophisticated problems. We intend for our pupils to be able to apply their mathematical knowledge to science and other subjects. We want them to know that maths is essential to everyday life and that our children are confident mathematicians who are not afraid to take risks.

Implementation

As a whole school we deliver maths through the Power Maths scheme of work. This provides teachers with a clear structure for each daily lesson using the following: discover, share, think together, practise and reflect. Power Maths helps to build confidence in maths at every age and stage of learning. We believe every learner can be a confident mathematician. Power Maths uses the mastery approach to teaching, it recognises that by nurturing positive attitudes and building confidence in mathematics, all children can achieve.

Early maths skills are developed from the moment the children join us either in Nursery or Reception. Children in the foundation stage are supported in developing their number confidence through daily taught sessions. There are also opportunities provided in class provision for children to explore number further.

Children in the Foundation Stage have their attainment on entry assessed and their progress is tracked and monitored through the use of Early Years Outcomes throughout Nursery and Reception. The Foundation Stage profile will indicate if children are reaching expected levels by the end of Reception and will be used to support transition into Key Stage 1.

In Key Stage 1 children will be assessed at the end of each unit of work using the scheme's unit checks. At the end of each term, children will be assessed on all areas of the maths curriculum that have been taught, through looking at work produced, observations, moderation and discussions. Year 2 children will be assessed at the end of the year according to the end of Key Stage assessment criteria as well as taking SATs during May.

Assessment for Learning is embedded in Maths lessons and through 'in the moment' feedback, children are able to reflect on their learning daily.

Impact

Children will leave St Ives Infant and Nursery School with the self-belief that they can achieve as mathematicians. At the end of Year 2 they will feel enthusiastic, confident, and fluent in maths and know that they are able to problem solve and reason about number.