



# STATEMENT OF INTENT – Maths

Our School Vision

*An Inclusive Community Inspiring Life Long Learners*

## **Intent**

At Alderley Edge Community Primary School we believe that the children deserve a broad and ambitious maths curriculum, rich in skills and knowledge, which ignites curiosity and prepares them well for future learning or employment. We aim to deliver a maths curriculum that is of outstanding quality to raise the progress and attainment of all our pupils. We believe every child can master an understanding and love of maths with the right kind of teaching and support. Our long-term aim is to produce an ambitious, connected curriculum accessible to all pupils in school right through from Reception to the end of Year 6. Our intention is that maths also fully supports our core drivers of academic excellence, life-long learning, possibilities and risks and social intelligence so that the children are equipped to carry on learning beyond their primary education. Through maths we will develop the children's creativity and cross curricular learning to engage children and enrich their experiences in school.

## **Implementation**

Our whole curriculum is shaped by our school vision, which aims to enable all children, regardless of background, ability or additional needs, to flourish to develop the knowledge and skills to be life-long learners. We build on the outcomes in the EYFS and teach the National Curriculum from Years 1-6; supported by a clear skills and knowledge progression using the Maths NoProblem Scheme of work. This ensures that skills and knowledge are built on year by year and sequenced appropriately to maximise learning for all children in number and place value, addition and subtraction, multiplication and division, fractions, measurement and geometry. Our mission is to help all our teachers to be an excellent teacher of mathematics, but not to interfere with professional judgement. We provide our teachers with suggestions and sample materials in a structured coherent curriculum to develop pupils into mathematical thinkers. To learn mathematics effectively, some things have to be learned before others, e.g. place value needs to be understood before working with addition and subtraction, addition needs to be learnt before looking at multiplication (as a model of repeated addition). You will see this emphasis on number skills first, carefully ordered, throughout our maths curriculum. For some other topics, the order isn't as crucial, e.g. Shapes and Statistics need to come after number, but don't depend on each other. In order to support children in their ability to 'know more and remember more' there are regular opportunities to review previous learning, children are given the opportunity to share what they already know about a current topic as well as previous lessons. We want pupils to become fluent in the fundamentals of mathematics, to be able to reason and to solve problems. Our maths curriculum embraces these National Curriculum aims, and provides guidance to help pupils to become:

**Visualisers** – we use the Concrete, Pictorial, Abstract (CPA) approach to help pupils understand mathematics and to make connections between different representations.

**Describers** – we place great emphasis on mathematical language and questioning so pupils can discuss the mathematics they are doing, and so support them to take ideas further.

**Experimenters** – as well as being fluent mathematicians, we want pupils to love and learn more about mathematics.

Teachers use assessment for learning in each lesson to ensure misconceptions are highlighted and addressed. We also ensure a progression of maths vocabulary to support children in their understanding. At Alderley Edge Community Primary School, we give children access to a wide range of good quality resources and provide cross-curricular opportunities for children to apply their maths knowledge and skills.

**Impact**

The implementation of this curriculum ensures that when children leave Alderley Edge Community Primary School, they feel confident, resilient, tenacious, strategic and thoughtful about their mathematical learning. They will be equipped with a richer vocabulary, which will enable them to articulate their understanding of taught concepts. Children will leave Alderley Edge with high aspirations, which will see them through to further study, work and a successful adult life.