



## Mathematics at Allesley Primary School



**At Allesley Primary School, we believe that every child is a mathematician. We want all our children to develop enquiring minds and to use their skills as mathematicians to make sense of the world around them**

Our aim is to equip all children with the skills and confidence to solve a range of problems through fluency with numbers and mathematical reasoning. Children are encouraged to see the mathematics that surrounds them every day and enjoy developing vital life skills in this subject.

Our teaching aims are aligned with those of the National Curriculum: **fluency, reasoning and problem solving**. We place strong focus on the acquisition of basic number facts and arithmetical fluency, alongside developing conceptual understanding, enabling children to solve increasingly complex problems. Through our maths curriculum, children expand their understanding through exploration, problem solving, discussion and practical experience. A key aspect of teaching throughout the school involves the use of practical apparatus to promote deep understanding of mathematical processes and ideas. Carefully planned activities encourage children to work mentally, observe patterns, make predictions and discuss relationships. Mathematics skills are also used in other subjects such as science, theme, ICT and art. We promote the ability to develop confidence, fluency and competence in number work; geometry and measure; statistics and the using and applying of skills.

We teach for mastery: this means that all children are taught one set of mathematical concepts and the big ideas in mathematics. Lessons are carefully crafted in order to allow all children to access these concepts and ideas and explore the rich connections between them. We have high expectations of our pupils and strive to make the mathematics curriculum accessible to all, providing different tools to scaffold learning and questions to challenge deeper thinking. Pupils across a year group will move through the programmes of study at broadly the same pace. We recognise that all children need a deep understanding of the mathematics they are learning in order that future learning is built upon firm foundations.

Our goal is that every child at Allesley Primary School can enjoy mathematics; develop a growth mind-set approach and embrace the challenges that it provides. Over time, this approach will allow our children the opportunity to demonstrate mastery in mathematics!

Here at Allesley, we follow the Power Maths Scheme of Learning, which is a whole-class mastery programme designed to spark curiosity and excitement and nurture confidence in maths. Please find below a Calculation Policy for each phase, which gives an overview of the different methods used in each phase and demonstrates how the methods progress as the children move through the school.