

At Tadpole Farm, we believe that every child can achieve in mathematics when they feel valued, supported and challenged. Guided by our LEAP values of Love, Enquire, Achieve and Partnership, and underpinned by our core values such as: Perseverance and courage, our mathematics curriculum is designed to develop confident learners who enjoy mathematics and believe they can succeed.

Our intent is to deliver a high-quality mathematics curriculum rooted in the principles of Teaching for Mastery, enabling pupils to develop deep, connected understanding and the confidence to apply their mathematical knowledge in a range of contexts. Through consistent teaching approaches, high expectations and strong relationships, pupils are encouraged to take risks, learn from mistakes and persevere when learning becomes challenging.

We aim for pupils to:

- **Love** mathematics by developing confidence, curiosity and a positive mindset, seeing themselves as capable mathematicians.
- **Enquire** by exploring patterns, asking questions, reasoning clearly and justifying their thinking using precise mathematical language. Apply their learning to solve problems in a range of contexts, making meaningful connections across mathematical concepts.
- **Achieve** fluency and accuracy in the fundamentals of mathematics through frequent, varied practice that builds efficiency and secure understanding.
- **Work in Partnership** with their peers and adults, learning collaboratively, sharing ideas and valuing different approaches to problem solving.

Our curriculum, supported by Oak National Academy's carefully sequenced resources, is deliberately designed around the Five Big Ideas of Mastery:

- **Coherence**  
Concepts are introduced in small, connected steps so that all pupils can build secure understanding before moving on.
- **Representation** **and** **Structure**  
Concrete and pictorial representations are used consistently to expose mathematical structure and support pupils in making connections.
- **Mathematical** **Thinking**  
Pupils are encouraged to explore, question and reason mathematically, developing depth of understanding and confidence in explaining their ideas.

- **Fluency**

Key facts and methods are practised and revisited regularly so knowledge can be recalled and applied with confidence.

- **Variation**

Carefully chosen examples and tasks highlight essential features of concepts and develop flexibility and resilience in thinking.

In line with the National Curriculum, teaching is structured to ensure pupils make strong progress towards the Ready to Progress criteria, these provide clear signposts for the most important knowledge and skills pupils need to secure each year, supporting long term success in mathematics.

Through this approach, we ensure that:

- All pupils, regardless of starting point, have access to an ambitious and inclusive mathematics curriculum.
- Gaps in learning are identified quickly and addressed so progress is secure and sustained over time.
- Pupils develop resilience, curiosity and enjoyment in mathematics, preparing them for future learning and for applying mathematics confidently in the wider world.

Our ultimate goal is for pupils to leave Tadpole Farm as confident, competent and enthusiastic mathematicians who demonstrate perseverance, courage and respect, work positively with others and are well prepared for the challenges of Key Stage 3 and beyond.