



## Heron Hill Primary School: Curriculum Overview

### Mathematics

At Heron Hill we believe that every child should succeed and enjoy mathematics. We are passionate about supporting all pupils to build firm foundations and fluency in mathematics in order that they feel confident and prepared for the next steps in their education.

We place strong emphasis on our children becoming secure with mental recall of number facts. To ensure this happens, every class teaches 'Learn It's' number facts daily, building children's understanding and ability to remember key addition, subtraction, multiplication and division facts.

The Mathematics curriculum is divided into the following topic areas:

- **Number:** *Place value, addition and subtraction, multiplication and division, fractions (including decimals and percentages)*
- **Measurement**
- **Geometry:** *Properties of shapes, Position and direction*
- **Statistics**
- In Year 6, *Ratio and Proportion* and *Algebra* are also studied.

Each topic is revisited cyclically, with learning objectives growing in complexity as children progress through the school. Lessons are carefully differentiated to ensure every child is supported and challenged. Extra help is flexibly available to ensure success for all. Maths clubs run across the school throughout the year not only to help children but also for pleasure and enjoyment.

### Our vision for children at Heron Hill:

- Creative, independent thinkers who see that mathematics is relevant and important to them because it is **everywhere every day** in the world around them.
- Confidence in applying mathematical knowledge to increasingly complex problems.
- The ability to think logically and clearly.
- The skills to work collaboratively, co-operatively or independently.
- Persistence to be able to follow a line of enquiry and experiment with ideas, meeting mathematical challenges with resilience, determination and enthusiasm.
- The self-assurance to explain and verbalise ideas, to put forward suggestions, to ask questions, fluently using the language of mathematics.
- The capability to make choices and decisions about when a task should be done quickly in one's head and when it is reasonable to use written methods or equipment such as a calculator.
- An understanding of the importance of learning key number facts by heart (and being able to quickly recall them) because they underpin all mathematics.
- Children who **enjoy mathematics**, see it as an interesting subject in its own right and believe themselves to be proficient at it.