



## Maths



### Rationale

#### Why is maths important at Holy Trinity Church of England Primary School?

- ✓ Maths is a universal language that helps us to understand the world, and it is a core part of the curriculum.
- ✓ Maths is important because research shows that early mathematical knowledge predicts later reading ability and general education and social progress. Conversely, children who start behind in mathematics tend to stay behind throughout their whole educational journey.
- ✓ Through maths, pupils develop a deeper understanding of numbers, shapes, statistics and patterns, giving them the tools for work in areas such as physics, architecture, medicine and business.

### Meet Lovelace



- ✓ **Infants:** Today we are working with Lovelace who is a mathematician. Mathematicians like Lovelace love to play with numbers and solve puzzles. They explore how numbers work and find out about shapes and telling the time.
- ✓ **Juniors:** Today we are working with Lovelace who is a mathematician. Mathematicians like Lovelace are curious and imaginative. They love to explore numbers, shapes and patterns and to ask big questions – like what happens when you keep on adding numbers forever!

#### As mathematicians at Holy Trinity Church of England Primary School, we want ...

Pupils to be given every opportunity to see themselves as successful mathematicians by teaching new concepts using small steps and supporting and scaffolding with concrete resources and pictorial representations as well as allowing pupils the time they need to deeply understand each step.

Pupils' mathematical knowledge and skills to be developed through the mastery approach to teaching mathematics, giving pupils the opportunity to explore concepts using concrete resources and pictorial representations before moving to the abstract.

Maths to inspire pupils' curiosity, leading them to solve problems and ask questions to explore the unknown.

Pupils to understand the opportunities that maths brings for future careers as well as how essential it is for everyday life.

Maths to be seen as an adventure where numbers, shapes and patterns come alive by making lessons engaging and relevant.