



# Curriculum Rationale - Maths

## Let your light shine as a mathematician



### Maths Intent

Maths teaching at St James's CE Primary School aims to nurture a love of mathematical creativity through mastering fluency, reasoning and problem solving while celebrating mathematical curiosity. We want to provide our children with the ability to connect mathematical ideas and skills within maths lessons and the wider curriculum so that they can become confident and mathematically resilient children. We aim to instil a still a sense of wonder about mathematics, inviting students to explore real-world applications and the beauty of mathematical patterns. As a result, pupils become enthusiastic and capable mathematicians, ready to tackle challenges and see the relevance of maths in their everyday lives.

### Big ideas in our Maths curriculum

- ✓ Every child can succeed and develop a passion for mathematics.
- ✓ Students recognise the importance of maths in their everyday lives.
- ✓ Opportunities are provided for pupils to deepen their understanding of key mathematical concepts.
- ✓ Quick and efficient recall of facts is emphasized
- ✓ Flexibility and creative thinking to approach problem-solving
- ✓ Pupils build the confidence to reason through exploration of potential pitfalls and misconceptions.
- ✓ Mastery approach fosters a growth mindset, utilising concrete, pictorial and abstract methods.



### Our school vision through Maths

Let your light shine to reach your God-given potential.

- ✓ Thoughtfully designed progression of knowledge
- ✓ Inclusion practices for every learner
- ✓ Adaptive teaching
- ✓ Stretch activities to deepen understanding and spark curiosity
- ✓ Effective use of teacher Afl

Let your light shine courageously

- ✓ Encouraging questions and curiosity about mathematical concepts
- ✓ Collaborative learning opportunities to foster teamwork and communication
- ✓ Developing perseverance and resilience to systematically tackle problems

Let your light shine as a beacon of hope

- ✓ Learning behaviour role model – learning gems
- ✓ Growth mindset
- ✓ Stereotypes avoided

Let your light shine - be the best you can be!

### Links with other areas of the curriculum

- ✓ British Values (mutual tolerance, respectful attitudes, rule of law, individual liberty and democracy)
- ✓ School Values
- ✓ Reading – problem solving in various contexts
- ✓ Science – measurements and data analysis
- ✓ Computing – coding and data handling
- ✓ PHSE - citizenship
- ✓ PE – statistics and tracking performance
- ✓ History – timelines and analysing time periods, events and trends
- ✓ Art – exploring patterns, symmetry and geometry
- ✓ Geography – field work and coordinates

### Spirituality in Maths

- ✓ Infinity and nothing.
- ✓ Pattern and order.
- ✓ Shape and regularity.
- ✓ Truth, certainty and likelihood.
- ✓ The universality of mathematics over time and space.
- ✓ The wonder of numbers, formulae and equations.

