

## Intent, Implementation, and Impact Statement for Maths

This statement outlines Highfields' approach to maths, aligned with Ofsted's most recent inspection framework. It focuses on the intent, implementation, and impact of the maths curriculum to ensure consistently high standards in maths education.

### Intent:

The intent of our maths curriculum is to provide a rich and coherent knowledge and skills-based education that ensures all pupils become confident and competent mathematicians. We aim to develop a deep understanding of mathematical concepts, reasoning, and problem-solving skills, enabling pupils to apply their knowledge across a range of contexts and real-life situations. Our overarching goal is to foster a love for maths, instill a growth mindset, and empower our pupils to become independent, resilient learners who embrace challenges.

### Implementation:

#### Comprehensive Curriculum Planning:

We follow the White Rose Maths curriculum which is a well-sequenced maths curriculum that follows the National Curriculum, ensuring full coverage of all key concepts and skills.

Our curriculum is highly structured and builds upon prior knowledge, allowing for a progression of skills and concepts.

It incorporates a blend of fluency, reasoning, and problem-solving activities to develop a deep understanding of mathematical principles.

#### Mastery Approach:

We adopt a mastery approach to teaching maths, which enables all pupils to develop deep and secure mathematical understanding.

Lessons are carefully planned to introduce new concepts in small, incremental steps, ensuring all pupils have a solid foundation before moving on.

Regular opportunities for formative assessment are provided to identify misconceptions and tailor teaching accordingly.

Pupils work through a range of concrete, pictorial, and abstract representations to facilitate a deep understanding of mathematical concepts.

Varied and challenging tasks are provided to cater to the needs of all learners, including those with SEND and who are more able.

#### High-Quality Instruction and Resources:

Our teachers are highly skilled and knowledgeable in teaching maths, continually developing their subject knowledge through ongoing professional development and collaboration.

Lessons are well-paced, engaging, and inclusive, utilizing a range of instructional strategies and resources to cater to different learning styles.

We use digital resources, manipulatives, and real-life contexts to enhance teaching and learning, ensuring pupils can apply mathematical concepts to practical situations.

We use Maths Fluency sessions to regularly revisit key concepts and strategies, to ensure they are fully embedded.

#### Differentiation and Personalised Learning:

We differentiate teaching and support to ensure that every pupil is challenged and making progress.

Additional support or targeted interventions are provided to pupils who require it, ensuring no child is left behind.

Opportunities for extension and enrichment are available for more able pupils to deepen their understanding and apply their knowledge in broader contexts.

#### Effective Assessment:

Regular formative assessment is used to identify pupils' understanding, misconceptions, and next steps for learning.

Assessment information is used to inform planning, intervention strategies, and personalized learning opportunities.

Summative assessments are conducted at regular intervals, providing valuable data to track progress and identify trends, which inform targeted teaching and intervention strategies.

#### Impact:

The school's tracking and assessment measures show that:

Pupils make at least expected progress in all areas of maths from their starting points, demonstrating secure conceptual understanding.

Pupils develop strong problem-solving and reasoning skills, confidently applying their maths knowledge in various contexts and real-life situations.

Our maths curriculum fosters a positive attitude towards mathematics, with pupils demonstrating enthusiasm and perseverance when faced with challenging problems.

Pupils exhibit confidence and resilience in tackling unfamiliar tasks, embracing mistakes as opportunities for learning and improvement.

The promotion of a growth mindset encourages pupils to embrace challenges, take risks, and develop a love for lifelong learning.

## Conclusion

In conclusion, Highfields' approach to maths provides a coherent, well-structured maths curriculum, employing a mastery approach, utilizing high-quality teaching resources, and tailoring instruction to the needs of the pupils. This approach fosters a positive attitude towards maths, nurtures resilience, and prepares pupils to become confident, skilled mathematicians who can apply their knowledge effectively.