

Our Maths curriculum enables children to:

- Become fluent and confident mathematicians with good reasoning and problem-solving skills
- Explore all strands of mathematics
- Embrace a growth mindset when faced with challenges

So that they:

- Develop a strong sense of **belonging** with a good understanding of the wider world.
- Are inspired to raise their **ambition**.
- Grow **resilience** as determined and independent individuals.
- Show **kindness**, respect and tolerance.

MATHS AT HARTHILL Through our White Rose Maths curriculum, children, including those who are disadvantaged and those with SEND, will make progress in their mathematical fluency and understanding through the concrete, pictorial and abstract (CPA) teaching approach, leaving our school with the ability to problem solve and reason in all areas of mathematics. They will be inspired to ask questions, explain their reasoning, prove their thoughts with justifications and break down multi-step problems into sub-problems through our embedded mastery culture. Mastery is at the heart of our maths curriculum and children will master new concepts before moving on to new ones; curriculum design ensures knowledge is built progressively year on year. Maths Meetings will be used at least 3 times a week to consolidate learning outside the core maths lesson and provide an engaging way for pupils to practise applying their knowledge and skills on a regular basis, build their mental fluency and continually build on their mastery of key concepts. Our Fact Fluency Progression Map ensures focus on key identified facts, as well as our use of Numbots and Times Table Rockstars. With the underlying principle that everyone can access maths, the curriculum allows everyone the chance to succeed.

Our Maths curriculum has been designed with our children in mind to ensure it:

- Is accessible to all, regardless of starting points, providing a choice of pathways for all learning styles and abilities
- Meets the needs of all pupils and supports long-term progress and social mobility
- Challenges pupils and promotes resilience
- Exposes children to mathematical concrete manipulatives and a wide-range of visual concepts to support their understanding
- Builds from Mathematics in EYFS through to Y6.

Implementation: Through our maths curriculum children will:

- be taught new knowledge through the implementation of the Mathematics progression maps (KS1 + KS2) and topic maps in EYFS
- be taught key addition and subtraction facts alongside a programme that reinforces speedy recall (Numbots)
- be taught times tables alongside a programme that reinforces speedy recall (Times Tables Rockstars)
- have the opportunity to apply their rapid recall of number facts through maths practice
- have gaps in fundamental number facts and calculations, including the four operations, quickly identified and addressed
- develop mathematical vocabulary
- engage in positive maths experiences to promote a love of maths.
- learn to problem solve and reason in a range of contexts

Impact:

The impact of our maths curriculum is demonstrated in the following ways:

- what our children say (pupil voice and engagement, contributions in lessons/maths meetings)
- what our children do (pupil performance in summative and formative assessment, completion of workbook tasks, , end of unit assessments, termly assessments, SATs, MTC)

