Mathematics- Statement of Intent

At Hanley St Luke's, we follow a mastery curriculum with the belief that all learners can succeed in mathematics with the right challenge, support and scaffolding. Mathematics Mastery places emphasis on the cumulative understanding of essential knowledge and skills in mathematics. Proven research from the EEF (Educational Endowment Foundation), theories of metacognition and working memory provide the foundation of the inclusive mathematics teaching and learning at our school.

We have designed our curriculum and cultural capital carefully so that all learners will acquire the mathematical skills to succeed in life. We strive to create a love of maths where our learners enjoy their learning and have a 'can do' attitude. We aim to help learners remember their learning through regular repetition and practise.

We follow the White Rose small steps curriculum and supplement lessons with resources such as Power maths, the DFE Ready to Progress document and the NCETM. We provide our children with carefully sequenced small steps that equip them with the progressive knowledge and skills that they need for future learning.

Lessons are carefully designed with intelligent practise and regular fluency/ reasoning and problem solving to embed a deeper understanding of maths. This is further utilised through a concrete, pictorial, abstract approach so that pupils understand what they are doing rather than just learning to repeat procedures without grasping 'why' the maths is occurring. Regular use of concrete resources and pictorial representations help the essential knowledge to 'stick' alongside the abstract written methods.

Key features of our Maths Mastery curriculum at Hanley St Luke's at a glance:

- Small steps building in a progressive way
- High expectations and challenge for every child
- The aim for learners to keep up rather than catch up – same day intervention
- Enjoyment and enthusiasm for learning
- Confidence in mathematics
- Fluency in arithmetic
- Strong emphasis on number and place value
- Maths across the curriculum and in real life
- Concrete/Pictorial/ Abstract – a practical and visual approach
- Problem solving, fluency and reasoning is a feature of every lesson