

Maths -



at South Kirkby Academy

Our aim at South Kirkby Academy is to deliver a coherent, engaging maths curriculum which is vocabulary and representation rich, supporting children's mastery in all areas of mathematics using the curriculum prioritisation framework and ready-to-progress criteria. We work with the underpinning belief that all children should have a deep understanding of the mathematics they are learning.

Children across Key Stage 2 are taught daily maths sessions lasting 1 hour and 15 minutes in total.

Our carefully designed and implemented maths curriculum consists of three main strands:

Daily Review where children revisit concepts to avoid the natural process of forgetting. This method of daily retrieval practice supports building the children's long-term memory and level of fluency in recall.

Core Maths where children cover the 'core' maths mastery curriculum. Teachers follow the NCETM curriculum prioritisation framework to ensure depth of knowledge and logical sequencing of lessons.

Fluency where children recall and embed multiplication facts daily.

Challenge in these areas is delivered through precise assessment for learning, where teachers make decisions about when to progress children based on how secure their knowledge of the mathematical concept is. Children who understand a mathematical concept are challenged by 'going deeper', working through rich and sophisticated mathematical problems rather than being accelerated through new content.

Support is provided through the use of concrete manipulatives, high quality pictorial representations, quality teaching, appropriate scaffolding and a gradual release of responsibility, where children are guided until they are able to succeed in a mathematical concept independently. When appropriate, children receive targeted pre-teaching, post-teaching and intervention as strategies to ensure that they reach their full potential.

Where children are working significantly below their year group curriculum, a personalised provision for mathematics is implemented, ensuring that work is accessible and achievable, and that they find enjoyment and success in every maths lesson.

By the time they leave South Kirkby Academy in Year 6, we expect the vast majority of our children to:

- Be fluent in written methods for all four operations, including long multiplication and division, and in working with fractions, decimals and percentages.
- Have deep conceptual understanding and the ability to recall and apply mathematical knowledge rapidly and accurately.
- Reason mathematically by following a line of enquiry, using their knowledge of relationships and generalisations, and justify their reasoning using mathematical language.
- Solve problems by applying their mathematics to a variety of problems with increasing sophistication, including breaking down problems into a series of simpler steps and persevering in seeking solutions.









The Journey of Maths at



