

MATHS



OUR INTENT

At Kings Road our intent for Maths is to produce children that are fluent with the Mathematical basics, can reason confidently and clearly and that are confident when solving a range of problems. We aim to produce mathematicians that love taking a risk and those that have a secured growth mindset so that they can maximise learning from every aspect of school. We expect all children to achieve the same learning outcomes in lessons and offer a range of adapted scaffolds to do this. Children will be seated in mixed ability to encourage rich mathematical talk, however guided groups will sometimes identify those children with the same conceptual gaps and these will be worked on.

In EYFS and KS1 Maths will consist of children grappling with key mathematical concepts using a range of concrete resources to do this. In KS2 this will consist of a range of CPA approaches, with children recording their own Maths thinking clearly.

IMPLEMENTATION

We use White Rose as our main Maths guidance planning tool; it provides suggestions for the small steps that should be taken for the children to acquire new mathematical knowledge and skills. They also offer a broad range of fluency, reasoning and problem solving tasks. These should be used as a guide to support the children's deepening of mathematical concepts and can be

supplemented with other resources. In EYFS, Mastering Number structures the weekly Maths with geometry added throughout to ensure it is not lost. Each lesson should follow the following format: do now, WALT, talk task, new learning, independent learning and plenary. This is to be adapted where appropriate with guided groups working with adults or independently on stretching tasks or consolidation tasks. KS2 classes have an additional Mastery in Number session (PM) where fluency is built upon for the basics of each year group; other opportunities for fluency and consolidation are given throughout the day. E.g. in do now tasks. The NCETM mastering number programme supports EYFS and KS1 to do this. A ready to progress document is referred to to ensure mastery is achieved and the learning is strong.

IMPACT

Our Maths curriculum should create enthusiastic learners of Maths that are fluent, able to reason clearly and confidently solve mathematical problems. They will have secure conceptual understanding as well as fluency when working within Maths lessons. They will have the technical mathematical vocabulary to describe their understanding. Teachers will deliver a Maths curriculum that meets the needs of all pupils within their class allowing all children to make progress within Maths.