

## Early Years Curriculum

We follow the Birth to 5 Matters guidance in Nursery and Reception. We are committed to ensuring confident progression within the six areas of early mathematics learning: cardinality and counting, comparison, composition, pattern, shape and space and measures, as well as spatial awareness, for all our early year's pupils. We put emphasis on the mastery of these key early concepts. This is supported with concrete experiences/pictorial representations and builds a solid foundation for further progress in KS1 and KS2.

The guidance can be downloaded here: <https://birthto5matters.org.uk/download-or-buy-a-copy/>

The following NCETM guidance is also used to ensure a smooth transition from EYFS into Year 1 and that the strong foundations put in place in EYFS are built upon across the school.

<https://www.ncetm.org.uk/in-the-classroom/early-years/>

## Key Stage 1 and Key Stage 2 Curriculum

In Key Stage 1 and 2 we follow the national curriculum for mathematics aims to ensure that all pupils:

- Become **fluent** in the fundamentals of mathematics, including through varied and frequent practice with increasingly complex problems over time, so that pupils develop conceptual understanding and the ability to recall and apply knowledge rapidly and accurately.
- **Reason mathematically** by following a line of enquiry conjecturing relationships and generalisations and developing an argument, justification or proof using mathematical language
- Can **solve problems** by applying their mathematics to a variety of routine and non-routine problems with increasing sophistication, including breaking down problems into a series of simpler steps and persevering in seeking solutions.

We also use the DfE Mathematics guidance, especially the ready to progress criteria, to ensure that pupils have depth of understanding of the key concepts and fluency in the necessary skills to be able to make exceptional progress throughout the school, from EYFS to Year 6. This will also ensure they are ready for KS3 and beyond, so that they can become confident mathematicians for life.

<https://www.gov.uk/government/publications/teaching-mathematics-in-primary-schools>

This year (2021 – 2022) to further support all our pupils to make excellent progress, after the impact of the COVID pandemic, we will be using the NCETM curriculum prioritisation materials to support the teaching and learning of Maths where appropriate. This means our yearly overview is a working document and subject to change across the year in line with the needs of our pupils.

<https://www.ncetm.org.uk/classroom-resources/cp-curriculum-prioritisation-in-primary-maths/>

More information about the mastery approach can be found at the following websites:

Teaching for Mastery

<https://www.ncetm.org.uk/teaching-for-mastery/>

The Five Big Ideas of Mastery Explained

<https://www.ncetm.org.uk/teaching-for-mastery/mastery-explained/five-big-ideas-in-teaching-for-mastery/>