

Merlin Top Maths Curriculum

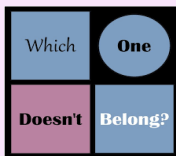
We have recently changed the way we teach maths to give a greater emphasis on the mastery approach. This means we ensure all children have the opportunity to learn, secure and understand the age-related expectations.

Fluency



Arithmetic:

In Key Stage 2, each lesson starts with an arithmetic session. These are quick maths sessions, practising mathematical fluency, with a focus on maintaining skills learnt in lessons to enable children to attain the end of year non-negotiables.



Big Question:

All maths lessons include a 'Big Question' which revisits previous areas of taught mathematics or introduces the class to a new topic.

Learning and Securing



Structure:

Maths lessons typically begin with a whole class input focused on one key concept. Children are encouraged to work collaboratively with their partner/table.

The mastery curriculum involves all children using concrete, pictorial and abstract approaches to maths:
Concrete: Handling and manipulating resources such as Numicon, Base 10, coins and counters.

Pictorial: Drawing visual representations of maths concepts and linking these to concrete methods.

Abstract: Solving calculations and problems, linking these to pictorial and concrete approaches.

Deepening

I know... so...

$$\frac{1}{7} \text{ of } 168 = \square$$

$$\frac{2}{7} \text{ of } 168 = 48$$

$$\frac{2}{7} \text{ of } \square = 96$$

Stretch it:

All children will have the opportunity to reason and problem solve at an appropriate level. We teach the children how to explain, justify and reason the answers they have found. We encourage lots of mathematical talk, using correct mathematical vocabulary at all times.