

Approach to Maths

What Maths looks like at Tadpole Farm CEPA...

At Tadpole Farm CEPA, children are encouraged to explore mathematical concepts through active learning and use a range of resources to deepen their understanding. Maths is taught daily through inputs and a range of activities to become fluent and be confident to solve problems. We aim for children to make strong links between different areas of maths by planning for them to experience concepts in different representations and through relating what they are learning to real life applications.

Intent:

What do we want children to learn?

At Tadpole farm, we teach Mathematics as outlined in the National curriculum and follow the White Rose maths scheme. The school follows a visual calculation policy to ensure consistency. We strive to create inspiring Mathematicians who question, reason and solve with confidence. We aim for the children to be fluent with numbers and be able to articulate how Maths links with their own real life experiences. Where possible, we provide opportunities for them to consolidate mathematical concepts through other areas of the curriculum.

Implementation:

How do we do it at Tadpole Farm CEPA?

In EYFS, we encourage active learning through play, using continuous provision in order to achieve the mathematics Early Learning Goals (ELG's). The children access concrete resources and are encouraged to explore and experience, by just 'having a go'.

In KS1 children can use concrete objects to apply maths to real life situations. Weekly maths challenges are set to consolidate the learning from previous lessons. Children are shown and encouraged to use different representations for the same mathematical concept to become fluent in the mathematical skill and find a strategy to solve problems.

In KS2, we continue to introduce new concepts and consolidate previously taught areas by moving sequentially from the concrete through to the abstract.

Impact:

On leaving Tadpole Farm CEPA, children will...

- Enjoy mathematical experiences and make links between other areas of learning.
- Have the confidence to apply the maths they have learnt.
- Use a range of methods and manipulatives to support their learning.
- Understand how and why maths is used in the outside world.

Everything is possible for one who believes (Mark 9.23)