

At Calmore Infant School, we teach maths by...

Reflecting the aims of the National Curriculum so **all** children are able to become fluent in the fundamentals of mathematics, can reason mathematically by following a line of enquiry and can solve problems by applying their mathematics. By following a CPA (concrete, pictorial, abstract) approach, children are able to develop a strong conceptual understanding and make links between different domains and concepts, just like Sally Squirrel! Sally Squirrel also encourages children to use what they know already to solve problems.



Promoting opportunities for children to work collaboratively just like Bert Bee. Flexible groupings support meaningful discussion using specific mathematical vocabulary, problem solving and reasoning.

Staff have high aspirations for all children and they are encouraged to be independent, resourceful and resilient learners that embrace challenge.



Ensuring the curriculum is taught creatively through first hand, practical contexts that are relevant to the children's interests. Children are encouraged to take risks and challenge themselves, just like Toby Tortoise! They are able to make links across their learning in other areas of the curriculum. Children are exposed to a variety of contexts to support them in making links to the world they live in.



Providing children with a variety of mathematical models, images and representations to build conceptual understanding. Teacher's careful modelling through learning episodes allow for children to be carefully guided through a new concept with a worked example, practising and applying the concept independently and applying this learning when solving a problem. Children are encouraged to be like 'Emily Elephant' and go back and check their work for muddles, noticing how revisiting and reflecting can help them improve their work.

