

MATHEMATICS AT NETHER EDGE PRIMARY SCHOOL

Our maths curriculum is broad and balanced. It builds knowledge of numbers and calculations incrementally, using well-planned and precisely sequenced lessons that build on prior knowledge over time so that children are fluent and efficient at finding the answers to questions and feel highly motivated because they understand how the number system works. Because of our maths curriculum, children are equipped for their next step in learning.

- We have a highly effective approach to teaching maths based on research and evidence
- We build children's mathematical fluency and automaticity to recall important facts
- Introduces new concepts using Bruner's Concrete Pictorial Abstract approach
- Pupils learn to think mathematically
- We teach strategies to reason, explain and solve problems

Remember More

Elements of learning

Learning is an alteration in long term memory, so if nothing has been learnt, nothing has been remembered.

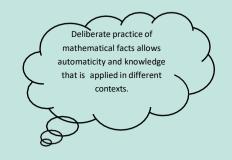
Remember More— As in all subjects, complete short tasks to recall, and therefore strengthen memory of, prior learning.

What would be most helpful to recall? What has been remembered well?

Subject Blast

Automaticity: instantly retrieve without conscious thought.

Important mathematical facts children need in order to be successful mathematicians.



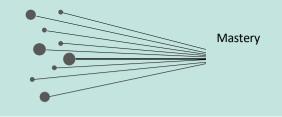
Reasoning

'Answer one problem 5 ways, not 5 problems one way.'

Deliberately teach how to reason, grapple and explain.

Concrete resources are a right of every child, not a crutch for the lowest attaining.

Reasoning is a right of every child, not a privilege of the highest attaining.



Components of learning are deliberately sequenced. Prior learning is built on when it is revisited.