

Curriculum Statement



Maths

Intent

At Boyton Primary School we continue to develop our teaching for maths mastery approach, where **all** children are encouraged to succeed and are challenged every day.

We believe that :

- the basic skills of mathematics are vital for life opportunities;
- every child should see themselves as a mathematician.

Through our curriculum we therefore intend that :

- all pupils develop positive attitudes towards maths through our teaching and learning, where they become numerate, creative, independent, inquisitive and confident learners.
- learners develop a 'can do' attitude when tackling a range of problems, including cross-curricular applications where they make mathematical links through drawing on prior learning,
- pupils are able to use and understand mathematical language in communicating their thinking,
- pupils broaden their knowledge and understanding of how mathematics is used in the wider world.

Implementation:

We use The White Rose SOL along with the DfE Ready to Progress materials to implement the National Curriculum for Mathematics. Through the use of a range of concrete resources, images and real life links **all** children can:

- 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, efficiently**, in a **variety** of problems

- **reason** mathematically through developing their **mathematical thinking** -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
- develop confidence to approach **challenges**, considering what they already **know** or what they **notice**, and broaden their own understanding through selecting different representations and aiming to apply **efficient** methods.

Number Fluency

At Boyton Primary School we encourage rapid recall of known facts in all 4 operations with the building blocks of this starting in the Foundation Stage. EYFS and KS1 follow the Mastering Number programme to develop number sense and fluency, building confidence in number talk.

We also embed fluency through daily 'fluent in 5' , use Times Table Rockstars to promote fluency in the recall of multiplication and division facts.

Procedural Fluency

We endeavour to develop confidence in procedural fluency through daily teaching and learning. This starts with a growing number sense in EYFS/ KS1 to developing a knowledge of a range of procedures in KS2 and confidence in knowing when and how to use them appropriately, and skill in performing them flexibly, accurately, and efficiently.