

Curriculum Statement



Maths

Intent

At Princetown 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 broaden their knowledge and understanding of how mathematics is used in the wider world,
- pupils are able to use and understand mathematical language in communicating their thinking.

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 Princetown 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.

Key Instant Recall Facts (KIRFs) are learnt half termly to support this. We also use Numbots and TT Rock Stars to promote number fluency.