INTENT

Inglewood Community Nursery and Infant School
Maths Vision

Mathematics at Inglewood is practical and enjoyable, giving our children opportunities to explore and engage with challenging mathematics in meaningful contexts.

Mathematics equips pupils with the uniquely powerful set of tools to understand and change the world. These tools include logical reasoning, problem solving skills and the ability to think in abstract ways.

Mathematics is integral to many aspects of daily life. With this in mind we endeavour to ensure that children develop a healthy and enthusiastic attitude towards mathematics.

At Inglewood Community Nursery and Infant School we intend that all children will experience the fun and enjoyment of learning mathematics. They will experience mathematics through lessons which are carefully sequenced, focused and well planned and delivered. Quality first teaching and timely interventions will be used in order to meet the needs of all learners. All children will be given the opportunity to extend their mathematical thinking and to broaden and deepen their understanding of mathematical concepts.

We intend that all pupils:

- **Fluency** : Become fluent in the fundamentals of mathematics so that they develop conceptual understanding and the ability to recall and apply knowledge rapidly and accurately.
- **Problem Solving** : Can solve problems by applying their mathematics to a variety of problems with increasing sophistication, including in unfamiliar contexts and to model real-life scenarios.
- **Reasoning** : Can reason mathematically by following a line of enquiry and develop and present justification, argument or proof using mathematical language.

Our aims :

We aim to provide the pupils with a mathematics curriculum, which will produce individuals who are literate, numerate, creative, independent, inquisitive, enquiring and confident. We also aim to provide a stimulating environment and adequate resources so that pupils have every opportunity to develop their mathematical knowledge, skills and understanding.

Oracy

We intend to provide all pupils with the opportunity to be able to talk confidently about mathematics.

'Oracy in mathematics involves authentic listening, articulation and development of mathematical thinking. It is an essential skill that supports learning by drawing attention to mathematical structure and enabling all pupils to make connections.' NCETM

Inclusivity

We aim to provide an inclusive mathematical curriculum by adopting the teaching for mastery approach.

Teaching for mastery is an inclusive approach that aims to ensure all students grasp key concepts before moving on by using whole-class teaching, deep understanding, and targeted support for those who need it. It is inclusive because it believes every student can succeed and offers access to the full curriculum, providing both support and challenge within a single classroom to prevent students from being left behind.

Rights Respecting

Through access to an oracy rich curriculum and by teaching for mastery we aim to support a rights respecting approach to teaching and learning in mathematics.

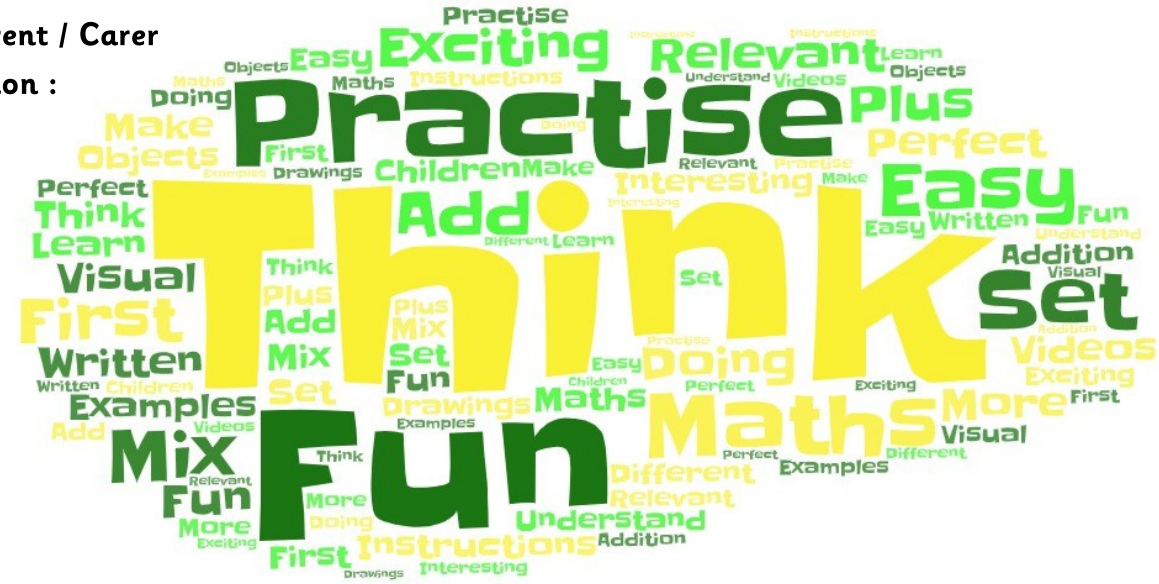
A rights respecting approach aims to ensure all pupils can succeed regardless of their background. We intend to provide a curriculum which every pupil's voice is valued, establishing a curriculum that provides deep understanding for all, and using teaching strategies and scaffolding methods that address potential difficulties and remove barriers to achievement.

Stakeholders vision:

Our staff, parents/carers and pupils were asked what they thought maths should look like at our school.

Staff vision :

Parent / Carer vision :



Pupil vision :