



MATHS SUBJECT OVERVIEW

We love maths at NCJPS...

Mathematics is essential to everyday life, critical to science, technology and engineering, and necessary for financial literacy and most forms of employment

We want children to...

A high-quality mathematics education therefore provides a foundation for understanding the world, the ability to reason mathematically, an appreciation of the beauty and power of mathematics, and a sense of enjoyment and curiosity about the subject

Core Threads

- demonstrate quick recall of facts and procedures
- demonstrate flexibility and fluidity to move between different contexts and representations of mathematics
- show ability to recognise relationships and make connections in maths
- utilise opportunities outside the classroom including home learning to enrich experience
- develop enquiry skills to pursue their own interests within a topic and further questioning
- become increasingly critical and analytical within their thinking
- retain prior-learning and explicitly make connections between what they have previously learned and what they are currently learning
- learn without limits, making cross-curricular links to secure application and mastery

Knowing more, remembering more

Retrieval tasks
Work towards a final task
Displays
Links to what went before and what is to follow

Links to Reading

Maths vocabulary: Vocabulary is explicitly taught to enable children to articulate their learning and grow their knowledge of the world.

Sequence of Learning

Progression of skills documents from the NCETM and our Calculation Policies are used to guide staff to know prior learning of the children and the next steps. This informs teachers planning accordingly.

Planning is informed by and aligned with the National Curriculum. Long term planning ensures that knowledge and skills are progressive between year groups and ensures learning builds on prior learning.

Long-term plans are constructed and built upon Year Group Teams use:

- key objectives taught from the National Curriculum
- White Rose Maths LTPs and MTPs used by all staff from EYFS – KS2



Our curriculum is underpinned by our RESPECT VALUES, which are covered across all subjects. The following values are exemplified in this subject:

Resilience: To develop and implement a positive mindset

Empathy: To listen to other people's viewpoints

Self-awareness: The opportunity to express their preferred approaches

Positivity: The opportunity to build new skills to enjoy for enjoyment and appreciation of maths

Excellence: To celebrate own and others' achievements

Communication: The opportunity to discuss to other people's approaches

Teamwork: The opportunities for paired and group work across school

Inclusive Practice

- Use of clear and simple explanations
- Simplified activities or further instructions where necessary
- Visual aids to support verbal instructions when appropriate
- Dyslexia Friendly classroom
- Groupings: Children may be paired in mixed ability or a more able child for support
- Peer support during activities
- Check understanding of text when reading, especially with problem solving questions
- Small group work / 1:1 where possible
- Consideration is given to how greater depth will be taught, learnt and demonstrated within each lesson, as well as how learners will be supported in line with the school's commitment to inclusion