



Moorthorpe Primary School Mathematics policy-on-a-page

Curriculum

- NCETM Curriculum Prioritisation
- Small steps, gradually unfold concepts
- Fluency, reasoning & problem solving
- CPA approach

Five Big Ideas of Mastery

- Fluency
- Variation
- Representation & structure
- Mathematical thinking
- Coherence & small Steps

Guiding Principles

- Checking for understanding
- Questioning
- Modelling, worked examples, representations
- Guided to independent
- Dedicated time for retrieval and rehearsal
- Focus on core knowledge
- Ensure high success rate
- Keep up not catch up

Vision

- Fluent, reliable calculators
- Deep understanding
- Reason using the language of maths
- Skilled problem solvers
- Rapid recall of number facts
- Make links & connections
- Resilience & independence

Assessment & Feedback

- NFER summative termly tests
- Ready-to-progress assessment questions
- Formative assessment (checking for understanding) inc questioning
- Live verbal feedback alongside green/orange highlighters

Mastering Number

- NCETM project
- Reception, Year 1 & Year 2
- 15 minutes daily
- Fluency, confidence, flexible thinking, number sense
- Rekenreks and Numberblocks

Our Maths Toolkit

- NCETM (particularly PD materials & DFE Guidance documents)
- WRM premium account
- ISeeReasoning
- NRICH
- Master the Curriculum
- Classroom Secrets
- Twinkl
- Goal-Free Problems
- Puzzles & Problems
- www.mathsbot.com

Number Facts & Fluency

- Jenny Field intervention project
- Regular times tables retrieval practice
- Dedicated times tables lessons
- Diamond Dash
- Number Facts Awards
- TT Rockstars/NumBots
- Maths Shed
- Regular arithmetic practice

Presentation & Display

- High expectations
- One digit per square
- Number formation addressed relentlessly
- Frayer Models & Key Facts displays

Early Years

- Number
- Shape, space and measures
- White Rose Maths & Master the Curriculum
- NCETM: Cardinality & Counting, Comparison, Composition, Pattern, Shape & Space, Measures

Lesson Structures

- KS2: Arithmetic - Number Facts - Main Lesson
- I Do - We Do - You Do
- Heavily guided teacher instruction
- Structured concrete exploration
- Recap, remodel, continue
- Discuss, share, contribute