



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

- TestBase Summative Assessments
- Ready-to-progress assessment questions
- Formative assessment (checking for understanding) inc questioning
- Live verbal feedback during lesson for impact and deepening of understanding

Mastering Number

- NCETM project
- Reception, Year 1, Year 2, Year 4 and Year 5
- 15 minutes daily
- Fluency, confidence, flexible thinking, number sense

Our Maths Toolkit

- NCETM (particularly PD materials & DFE Guidance documents)
- ISeeReasoning
- NRICH
- Master the Curriculum
- Twinkl
- www.mathsbot.com
- Oak Academy

Number Facts & Fluency

- Regular times tables retrieval practice
- TT Rockstars/NumBots
- Maths Shed
- Regular arithmetic practice
- Claire Christie Timestables
- Fluent in Five
- Mastering Number

Presentation & Display

- High expectations
- One digit per square
- Number formation addressed relentlessly
- Working walls updated to match current learning

Early Years

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

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