

Maths Mastery

Fountains Earth C.E. Primary School

March 2017

Maths Subject Leader – Miss Aldridge 😊

Just like in any Maths session:

L.O.

- * Gain an insight into our Maths Mastery approach in school.
- * Opportunity to try some of the fluency, reasoning and problem solving activities yourself!
- * Give ideas for supporting Maths at home.

2014 National Curriculum for Mathematics aims to ensure that all children:

- * Become fluent in the fundamentals of Mathematics including through varied and frequent practice with increasingly complex problems over time.
- * Recall and apply knowledge rapidly and accurately.
- * Reason mathematically – follow lines of enquiry, develop an argument, justification or proof using mathematical language.
- * Solve problems by applying their mathematics and **persevere** in finding solutions.

What is Maths Mastery?

- * Teaching less breadth but in more depth. Longer 'topic' areas.
- * High level of calculation. All begins with understanding of place value.
- * Fluency, reasoning and problem solving.
- * Increased level of challenge – Growth Mindset, developing independence, resilience and perseverance.

SATS

- * KS1 SATS

Arithmetic paper: 25 marks

Reasoning paper: 35 marks

- * KS2 SATS

Arithmetic paper: 40 marks

Reasoning paper 1: 35 marks

Reasoning paper 2: 35 marks

Maths Lessons

- * No set way of delivering Maths
- * Daily counting
- * Maths lesson / morning / day
- * Carousel – teacher led task, TA led task, independent task
- * Passports practice and checking
- * Homework in line with our school policy; may be open ended or reasoning tasks

Developing a Deeper Understanding

- * Concrete (using objects / manipulatives)
- * Pictorial (using pictures)
- * Abstract (using numbers)
- * Progress in Calculations policy available on the school website

Have a go...

- * Feedback
- * Handouts
- * Thank you!