MATHS AT PRESTON

WELCOME TO UNIT 2'S MATHS WORKSHOP.

"Teachers are experts in teaching mathematics"







HEALTH AND SAFETY

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AGENDA

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EXPECTATIONS OF THE EVENING:

EXPLAIN WHAT MASTERY MATHS IS.

WHAT MATHS LESSONS LOOK LIKE AT PRESTON

COMMON RESOURCES THAT WE USE

ADDRESSING SOME OF YOUR QUESTIONS

LOOK AT SOME EXAMPLES TOGETHER

IN CLASSROOMS – RANGE OF MATHS ACTIVITIES TO WORK THROUGH WITH YOUR CHILD.

ATTITUDES TO MATHS





What does it mean to master something?



- I know how to do it
- It becomes automatic and I don't need to think about it- for example driving a car
- I'm really good at doing it painting a room, or a picture
- I can show someone else how to do it.

WHAT IS MASTERY MATHS? It is better to solve one problem five different ways, than to solve five problems one way.

WHAT DOES A MATHS LESSON LOOK LIKE?

Explore	Master	Guided Practice		
• <u>Problem</u>	• <u>Resolve the</u>	 Guided practice 	• Independent	• <u>Go deeper</u>
Encourages	problem	Work through a	practice	Independent
discussion	Either through the	similar example	Have a go	problem solving or
What is it	children's	together.	independently.	reasonina
asking?	explanations or			challenges.
How could	modelling			9

MASTERING NUMBER

- Building fluency
- Number Sense
- Rekenreks
- In addition to our maths lesson
- Rapid recall of facts



WHAT DO WE

- Dienes
- Tens frames and counters
- Number lines
- Cherry model
- Bar model
- Place value chart
- Arrow cards

• Bead string













SOME FREQUENTLY ASKED QUESTIONS:

MY CHILD FIND MATHS HARD, HOW ARE THEY BEING SUPPORTED?

• Whole class moves through content at the same pace.

• Use of images and resources support all learners.

• Lessons are planned in small steps, so that all children can grasp the next small nugget of learning.

MY CHILD CAN ALREADY DO IT ALL. HOW ARE THEY BEING CHALLENGED?

"Traditionally, the goal for teachers has been to accelerate pupils into the next level as quickly as possible. The result was rapid advancement with superficial learning and insufficient depth."

- Their understanding will be checked to make sure they can explain it deeply.
- Can they apply it in another situation.
- Can they generalise and make a rule.
- Can they apply their understanding in different ways, such as problem solving, reasoning.

WHAT IS YOUR CALCULATION POLICY?

Four operations - addition, subtraction, multiplication and division

In KS1 we stay very practical with the four operations. We teach the meaning behind the symbols, such as:

- = is the same as \dots
- X equal groups of....
- ÷ EITHER put into equal groups of OR shared equally between.

MATHS AT HOME



MATHS AT HOME

ABOUT SCHOOL **TEACHING &** LETTERS, NEWSLETTERS AND CONTACT PARENTS LEARNING US US NEWS DATES **OUR CURRICULUM** HOME → TEACHING & LEARNING → OUR CURRICULUM **Reading Curriculum** Writing Curriculum **Our School Curriculum** A curriculum The Maths Curriculum Our curriculum is **inclusive**, as we passionately believe that all which excites curriculum and enthuses children, no matter what disadvantages they face, have a right to a design is Geography Curriculum pupils across high-quality education. This is at the heart of all we do. exciting and the school. relevant. History Curriculum It is progressive and builds knowledge, as we see primary education Ofsted 2017 Ofsted : as an opportunity to explore the whole breadth of subjects with our Art Curriculum childron, and holping them retain the knowledge that will enable them to go on to onioy academic success

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MATHS AT HOME



LET'S HAVE A GO – EXAMPLE FROM A YEAR 2 LESSON





FIRST - There are 42THEN - Lulu adds 5books.more books.

How many are there NOW?

WHAT COULD YOU USE TO SHOW THIS? WHAT IS THE ADDING SENTENCE?



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42 + 5 = 47



EXPLAIN ACTIVITIES

- Year 1 numbers to 10 carousel
- Ordering numbers, numbers on a number line, cherry models, dominoes, part part whole, greater than less than, I more 1 less, tens frame, simple adding, how do you know.
- Year 2 simple adding activities, numbers to 100, multiples of 10, counting in 2s, 5s and 10s, 10 more 10 less with and without ones, simple adding

CLASSROOM TIME -

• Please enjoy the activities in the classroom with your child.

• Please feel free to take home some of our Math No Problem textbooks and work books at the end.

Year 1s Textbook 1 A and B Workbook 1 A and B

Year 2s

Textbook 2A and B

Workbook 2A and B

FEEDBACK

• There will be a form sent to your email to capture your thoughts after the session.