Mastery Teaching in Mathematics at Heathbrook

A brief look at the Mathematics curriculum...

The 2014 Maths Curriculum aims to ensure all pupils:

1) Become fluent mathematicians by rapidly applying and recalling knowledge

2) Reason mathematically

3) Solve problems applying their mathematical knowledge
Mastery Teaching in Mathematics

- Incorporates best teaching practices from around the world
- Mastery is underpinned by the belief that the vast majority of children can succeed in meeting age-related expectations for maths.
- Mastery approach supported and endorsed by the Department for Education.

Heathbrook is part of the London SW Hub
How is Maths Mastery taught at Heathbrook?

- Lessons are taught in a sequence of Small Steps
- Concepts are taught using a Concrete, Pictorial, Abstract approach
- Pupils are continuously challenged to reason and problem solve
How to support your child with their Maths?

1) Use concrete resources in and around the home
   - Make Maths real!
2) Use Maths talk every day

- Little and often

- Focus on the topic your child is learning at school. (e.g. Fractions, shapes)

- Ask children to explain their reasoning

• “If I doubled the number of chicken nuggets on your plate right now, how many would you have?”

• “If we added all of my chicken nuggets to your chicken nuggets, how many would we have altogether?”
3. Learn their Maths methods

- Ask your child to explain how they are taught a concept
  - Grid method, etc
- Look into Mathematical representations

![Bar Models](image)

![Part Whole Models](image)

![Number lines](image)
4. Teach them the time

By the end of year 2:
- O'Clock
- Half Past

By the end of Year 4:
- Five minute intervals

By Year 6:
- Minute intervals
5. Learn times tables

By the end of year 2:

x1, x2, x5, x10

By the end of Year 4:

x3, x4, x6, x7, x8, x9,
x10, x11, x12
Thank you for coming!

If you have any questions, please speak to your child's class teacher.