

Reception Maths Café



Learning through play at school and home

- Play is essential in teaching and consolidating in maths.
- Many of the maths objectives within Development Matters can only be developed during free play.
- Play enables children to be independent and remain curious.

Learning through play at school and home

- By setting up and supporting activities in the environment, children are not only learning about one specific maths objective, they are also learning so much more in other areas of learning; the possibilities are endless!





What can the environment teach in maths and how staff facilitate learning?

Mathematical Language

- Lots of maths language for example more, less, big, small, wide, thin and positional language needs to be modelled by adults for children to learn and it is so much more effective if it's during authentic play experiences.
- This can be replicated at home when doing every day activities.

Problem solving, reasoning and pattern

- Loose parts are not only amazing for helping children to develop creativity, problem-solving and reasoning skills, but are also perfect for developing and embedding pattern creating.
- Construction is another area where children can learn these undervalued skills.



Weight and Measures

- We model measuring for example outside during building and construction: large scales outside, small balance scales inside for children to explore.
- Self-service play dough stations help children independently develop important maths skills while having fun!
- Any cooking you do with your child at home will be really helpful.

Time




- We encourage children to use time every day for example measuring how long running races or car racing through guttering takes: estimate then check; will a sand timer work?
- Modelling using stop clocks during games.
- Ask children for the time.
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- When discussing the daily routine, we talk about the times that things will happen.
- Always have as many clocks and watches at home as you can and modelling using time.

Fractions


- At snack time we ask children to share things.
- You can encourage children to cut up sandwiches at home into halves and quarters or pizzas.




Other ideas to help at home




Sing number
songs and
nursery
rhymes



Play board
games such
as Orchard
Toys



Engage in
imaginative play
with your child



Go on a
number or
shape hunt at
home

EYFS - Mathematics

In the EYFS children are working towards these Early Learning Goals:

ELG: Number

- Have a deep understanding of number to 10, including the composition of each number.
- Subitise (recognise quantities without counting) up to 5.
- Automatically recall (without reference to rhymes, counting or other aids) number bonds up to 5 (including subtraction facts) and some number bonds to 10, including double facts.

ELG: Numerical Patterns

- Verbally count beyond 20, recognising the pattern of the counting system.
- Compare quantities up to 10 in different contexts, recognising when one quantity is greater than, less than or the same as the other quantity.
- Explore and represent patterns within numbers up to 10, including evens and odds, double facts and how quantities can be distributed equally.

Maths Group Work

- As well as learning through play, we teach maths every day with a 10 minute interactive teacher input followed by an adult guided task.
- Our maths planning is practical, extremely fun, and sometimes messy!
- We are going to show you some of the manipulatives we use and complete a few activities with the children.

Let's have some fun!