How can you help at home?

Everyday activities are filled with opportunities to learn maths! Make children see maths is relevant to everyday life and have some maths fun!

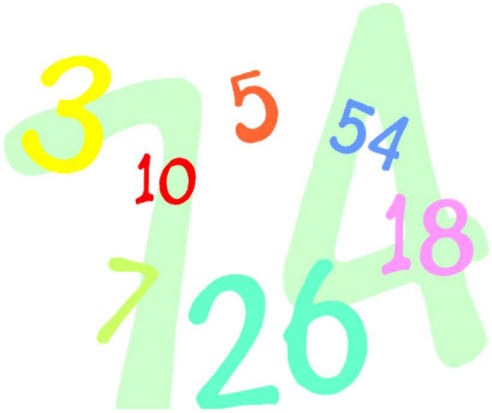
Here are just a few ideas but feel free to speak to your child's teacher if you would like more advice.

At Home

- Practise counting at home with your child. Make sure you count forwards and backwards as well as starting at different numbers. Challenge them to count in steps of 2, 5 or 10.
- Weigh and measure ingredients including liquids when baking.
- Cut food (cake, pizza!) into fractions such as halves, quarters etc.
- Share food between 2, 3 or more people. How many pieces do they each get?
- Practise telling the time. What time is lunch time? How many minutes until bed time?
- Put socks into pairs. How many socks altogether?
- Compare shoe sizes and hand spans.

Out and About

- Go on a shape walk describe the 2D and 3D shapes you can see in the environment.
- Grow sunflowers and keep measuring them. Draw a graph to show the different heights. Ask them -How much taller is flower 1 than flower 2?
- Use real money –counting, buying and giving change. Play as a game at home as well as discussing when out shopping and paying for items.
- Read the numbers on buses, signs and doors. Ask them -How many tens and ones in the number? Can you tell me a bigger/smaller number?



Please contact the following person for any additional information:

Miss Alice Gregory
Maths Coordinator
Moat Farm Infant School
Brookfields Road
Oldbury
West Midlands

Useful Websites:

https://www.bbc.co.uk/bitesize
https://nrich.maths.org/maths-at-home
https://www.topmarks.co.uk/maths-games/hit-the-button
https://www.topmarks.co.uk/
https://www.purplemash.com/sch/moatfarm

Moat Farm Infant School

Maths

Information Leaflet for Parents and Carers

Maths at Moat Farm
Infant School

The purpose of this leaflet is to help you understand how Maths is taught at Moat Farm Infant School.

At Moat Farm Infants we use a range of teaching strategies to ensure that children have a good understanding of number, which they then apply and use in problem solving and reasoning contexts.

All lessons aim to include

Counting
Children practise oral counting in steps of 1, 2, 3, 5 and 10. They count both forwards and backwards and use various visual aids such as numicon, number lines and hundred squares to support them.

Reasoning
Once children have practised and become fluent in a skill, their understanding is deepened through problem solving and reasoning. One way in which the children are encouraged to develop their reasoning skills is through challenge tasks. These include similar style questions such as 'prove it' or 'explain why'. The children become familiar with the question style and can deepen their understanding of a concept.

Models and images
Children use a many different models and images in maths to help them understand and apply their skills to a range of contexts. Children are exposed to using different equipment such as base ten, numicon and jottings.

Maths at Moat Farm
Infant School

Lessons also draw upon mastery approaches where children practice, consolidate and transfer skills taught in different problems. Through using a range of models and images, it allows the children to apply the skills they have learnt in different contexts. They are given opportunities to deepen their understanding of number and by explaining how they approached a problem and drawing upon their number skills.

Practical experiences and development of mathematical language underpin maths learning at all stages of development. In both EYFS and KS1 children are introduced to new mathematical ideas using physical resources and practical activities both indoors and outdoors. This helps the children to understand that maths is part of everyday life.

At Moat Farm Infants, to help children to understand how the number system works they have a daily mastering number session where children are able to build a secure firm foundation in the development of good number sense. This is for all children from Reception through to Year 1 and Year 2. The aim over time is that children will leave KS1 with fluency in calculation and a confidence and flexibility with number. Attention will be given to key knowledge and understanding needed in Reception classes, and progression through KS1 to support success in the future.

What will Children Learn?

Early Years Foundation Stage
Teacher's use assessments and plan to ensure children are making progress to help them achieve the Early Learning Goals (ELG's). ELG's are focused on numeracy and number patterns.
Children are taught to:
- Have a deep understanding of number to 10, including the composition of each number; 14
- 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.
- 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.

Key Stage 1
Children's experiences in EYFS are built upon to enable children to be fluent in the basics of maths, begin to reason mathematically and apply maths to solve problems. Lessons are planned in accordance with the 2014 National Curriculum.
Children are taught to:
- Count, read and write numbers to 100 and beyond
- Know number bonds to 20
- Know the 10/5/2 times tables
- Know the place value of 2 and 3 digit numbers and use this to order numbers.
- Use partitioning to add and subtract 2 digit numbers
- Use the four operations + - x - to solve problems
- Understand – is the inverse of + and – is the inverse of x
- Use a range of measures to describe quantities of length, mass, capacity, time and money.
- Solve problems involving measures
- Recognise and find fractions of length, shapes and amounts.