

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!

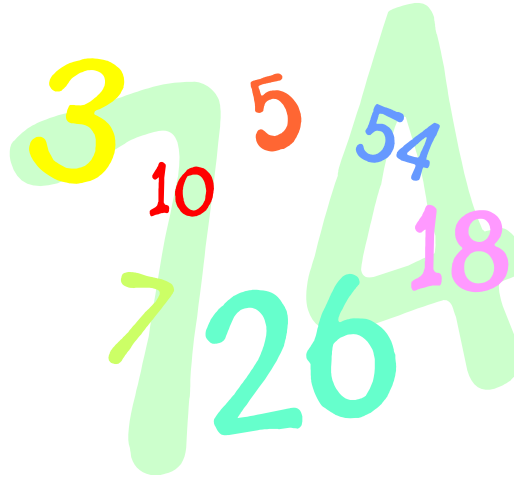
Here are just a few ideas but feel free to speak to your child's teacher if you would like more advice.

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 people for any additional information:

Charlotte Fisher and Laura Howell
Maths Co-ordinators
Stannington Infant School
Stannington Road
Sheffield
S6 6AN



enquiries@stannington.sheffield.sch.uk

Stannington Infant School

Maths

Information Leaflet
for
Parents and Carers



Maths at Stannington Infant School

The purpose of this leaflet is to help you understand how Maths is taught at Stannington Infant School ('SIS').

At SIS we teach Maths, through a **mastery approach** that allows the children to apply taught skills to a range of reasoning problems and contexts. Learning is varied to allow the children to experience the same concept through different representations and using different approaches. Through this holistic approach, we encourage our children to have a deep understanding of maths.

Teaching and learning draws upon a variety of resources and equipment with a key thread focused around the **White Rose Scheme** yet, tailored to meet the changing needs of each cohort at SIS. Learning is arranged over the school year to meet the needs of pupils, giving opportunities for new learning, consolidation of skills and allowing for spaced practice.

Please take a look at the Long Term Planners on the website to see how what area of maths is taught at different points in the year.

Please take a look at the Calculation policy which outlines the progressions of calculation across school.

Our approach

Children develop mathematical skills through the use of a **C-P-A approach** (Concrete- Pictorial- Abstract). Children may move forwards and backwards through this sequence in order to fully embed a skill.

Concrete: Children are introduced to new learning through concrete apparatus such as practically using cubes, counters and bead strings.

Pictorial: They then move onto using pictorial models and images such as hundred squares and drawing number lines.

Abstract: Once children are more secure in their understanding of a concept they will begin to use more formal methods of recording or calculating such as writing number sentences.

Maths vocabulary

Hundreds, tens and ones

This makes up the place value of a number. We refer to these as columns.

Value

What is the digit worth- this will depend on which column the digit is in.

Digit

All numbers are made up of the digits 0-9.

Partition

To partition a number means to split it into hundreds, tens and ones.

1 digit number/ 2 digit number

A 1 digit number only has a digit in the ones column, a 2 digit number has digits in the tens and ones columns.

Maths in each Key Stage

Foundation Stage

Teachers use developmental milestones to plan for children's progression and learning as children work towards meeting the Early Learning Goals (ELG's). ELG's are focussed on number and numerical patterns,

Children are taught to have a deep understanding of numbers up to 10, including:

- * subitising numbers up to 5
- * ordering numbers
- * recalling number bonds to 5 and 10
- * recalling doubling facts
- * counting beyond 20
- * talking about numbers that are more and less than
- * representing number patterns within numbers to 10; including odd and even numbers

Key Stage 1

As children move into KS1 we build upon their experiences in FS to enable them to be fluent in the basics of maths, begin to reason mathematically and apply this knowledge to solve problems.

Lessons are planned in accordance with the National Curriculum. Children take part in maths sessions as well as Maths Moments which aim to give spaced practise to the children's maths learning as well as built upon mental and oral skills.

We aim to hold parent workshops each year to talk you through how we teach maths in school. These give you the opportunity to see some of the children's work, look at some of the resources the children use and talk to members of staff if you have any questions. Dates of these will be sent to you via parent mail.