

## 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!

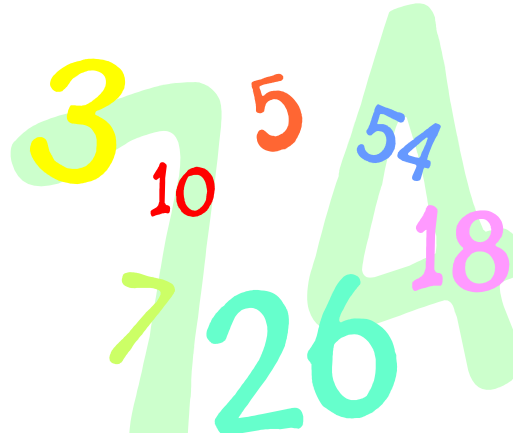
Here are just a few ideas but feel free to speak to your child's teacher if you would like more advice.

### 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:

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# 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 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 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 Cuisenaire rods.

## Maths at Stannington Infant School

Elements of the Big Maths teaching programme are used at SIS to help children to understand how the number system works. The children are introduced to child-friendly terms such as 'Switchers' and 'Learn Its', to help them manipulate numbers and make them more confident in using these. There is a strong emphasis on developing instant recall of number facts, including number bonds and doubles.

Lessons also draw upon mastery approaches adapted from the White Rose Maths hub. 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 FS 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.

## What will Children Learn?

### 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 focussed on numeracy and shape, space and measures.

#### **Children are taught to:**

- \*Estimate amounts and count reliably with objects from 1-20
- \*Order numbers
- \*Use number lines
- \*Use quantities and objects to add and subtract single digit numbers.
- \*Solve simple practical problems:
- \*Use language to talk about size, weight, capacity, position, time and money.
- \*Identify and describe shapes
- \*Recognise and describe patterns.

### Key Stage 1

Children's experiences in FS 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.