

Waterthorpe NI School

At Waterthorpe Nursery Infant School we aim to create a child centred, nurturing school community where everyone is treated fairly. Our vision underpins all the work of our school –

'inspiring young minds creating learners for life'

What Maths looks like at Waterthorpe Nursery Infant School:

Mrs Marriott is the Maths leader.



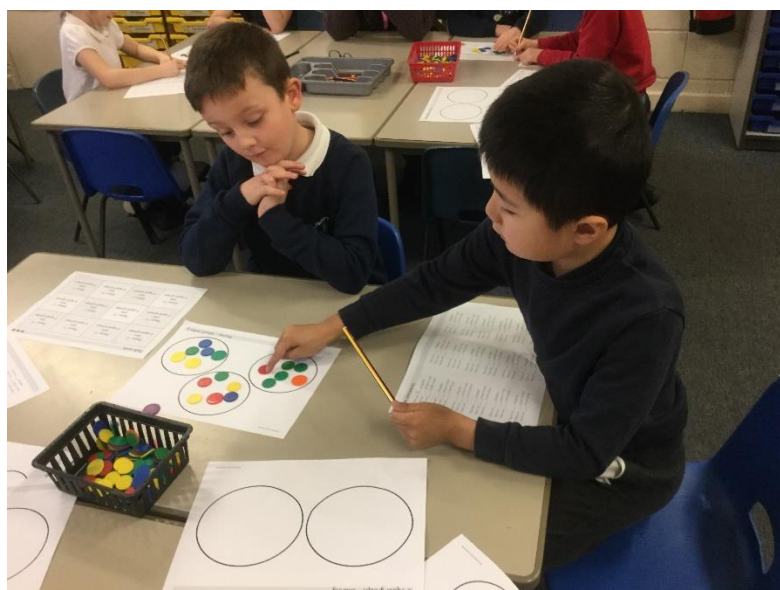
Children in Year One and Year Two follow the KS1 National Curriculum. Children in Nursery and Reception follow the EYFS framework.

We hope this booklet shows you how children learn about Maths and some of the content that they cover during their time at Waterthorpe.

AIMS AND OBJECTIVES:

The aim of our Mathematics curriculum is to ensure that all children develop a deep understanding of mathematical concepts and acquire the necessary skills to apply them in real-life situations. By the end of their time in our school, we expect pupils to:

1. Develop mathematical fluency and apply mathematical reasoning.
2. Solve problems by applying mathematical knowledge and skills.
3. Communicate mathematically, whether orally or in written form.
4. Become confident mathematicians with an excitement for the subject.
5. Develop an understanding of the importance of mathematics in everyday life and different fields of study.



CURRICULUM CONTENT:

Our Mathematics curriculum encompasses the following areas:

Number and Place Value

- Counting (including, the 5 counting principles: one-to-one principle, stable-order principle, the cardinal principle, the abstraction principle and order-irrelevance principle)
- Recognition and understanding of numbers
- Understanding the relationship between numbers
- Place value

Calculations

- Addition and subtraction
- Multiplication and division
- Mental and written methods
- Problem-solving using calculations

Fractions

- Recognizing and naming fractions
- Comparing and ordering fractions
- Understanding fraction as part of a whole

Measurement

- Length, weight, volume, and capacity
- Time and money
- Using standard units of measurement

Geometry

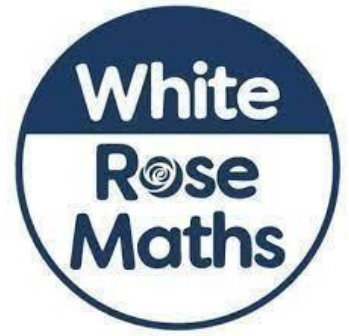
- Recognizing and naming shapes
- Properties of shapes
- Position and direction

Statistics

- Collecting, organizing, and representing data
- Interpreting and analyzing data

Teaching for Mastery at Waterthorpe

- We focus on small steps of progression and deepen children's knowledge by challenging them to **reason** their answers. We value **depth before breadth**.
- When introduced to a new concept, we work through the **concrete > pictorial > abstract** approach so that children can explore objects and pictures to support understanding.
- We also offer **problem solving** questions for each objective so that children can apply their new skills and knowledge.
- **Maths games** are used as a fun way to consolidate learning that the children can access independently or in groups.



We celebrate National Numeracy Day for a fun-filled day of maths.

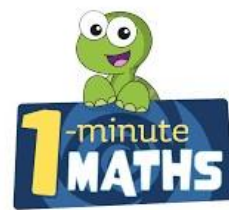


We hold a Maths Family Workshop in school each year.



How families can support children's learning in maths:

- Talk about maths positively
- Activities and games on Google Classroom like 1-Minute Maths
- Everyday problem solving, e.g. going shopping
- Follow a recipe
- Tell the time
- Plan an outing



We would welcome any feedback on this booklet. Please write your comments on a piece of paper, along with your child's name and class, and return them to the school office.

Thank you for your continued support.