

# Mathematics

Mathematics is the science that deals with the logic of shape, quantity and arrangement. Maths is all around us, in everything we do. It is the building block for everything in our daily lives, for example we can find mathematics in art, money, engineering, and even sports. Ask mathematicians what maths is and they will more typically tell you that it is "the study of patterns" or that it is a "set of connected ideas."

We all need maths!  
We all use maths!

At Gorseybrigg Primary School we know that maths skills are fundamental to the development of our children so that they can access every day 'real life' maths. Our daily maths teaching aims to foster positive attitudes towards mathematics by developing pupils' confidence in using mathematical equipment and vocabulary, providing an enjoyable experience of mathematics.

We follow the National Curriculum objectives which are separated into six strands which are **number, ration and proportion, algebra, measurement, geometry and statistics**. We give children the opportunity in lessons to explore these concepts of mathematics in depth. We also try to use ICT where possible, as a tool to enhance learning and support our children to become independent learners.

<https://www.gov.uk/government/publications/national-curriculum-in-england-mathematics-programmes-of-study>

Follow the link above to the National Curriculum for mathematics. We also have a policy for the different calculations your child will use while at our school. Follow the link **here** to find a copy.

## Helping your child with maths

You may have heard a person say that they 'couldn't do maths' when they were at school or that 'maths doesn't run in the family'.

Mathematical Mindsets / Growth mindsets is a way of approaching maths which can break down barriers to learning new skills, particularly in maths. Jo Boaler, a professor of mathematics has been involved with promoting mathematics in classrooms and she believes that maths skills can be mastered by all children. At Gorseybrigg Primary School we endorse this and use a variety of teaching techniques to ensure that all children achieve their best in mathematics.

The website 'YOUCUBED' provides practical strategies and activities to help teachers and parents show all children, even those who are convinced that they are bad at maths, that they can enjoy and succeed in maths. Follow the link below to read more about this.

<https://www.youcubed.org/mathematical-mindsets/>

## Online Resources

Abacus Maths - Each child should have their own log in details

<https://www.activelearnprimary.co.uk/login?c=0>

Interactive maths games - Look out for moon maths on online game for multiplication tables practice

<http://www.primaryinteractive.co.uk/maths.htm>

<http://mathszone.co.uk/>

