

# MATHS

At St Catherine's we believe that having a sound understanding of maths is an essential skill for life in our ever changing modern world.

We strive to develop a love and passion for the subject in our pupils by fostering a supportive, yet challenging visually stimulating, environment where all children will achieve and grow in confidence.



Maths is about connections and relationships. Therefore, we challenge the children to build on and use their strong factual knowledge to develop strategies and procedures to solve mathematical problems.

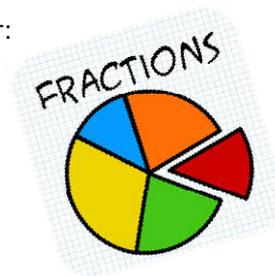
We use an approach which allows children not only to be able to find the answers, but also to be able to explain the reasoning behind their lines of enquiry using accurate mathematical vocabulary. Following on from this they can quickly move on to problem solve using their own initiative, often in real-life contexts.

We believe the essential characteristics of mathematics at St Catherine's should be:

- from Foundation Stage to Year 6, practical equipment, such as Numicon and number lines, is used to develop a secure understanding of key concepts
- developing a broad range of skills in using and applying mathematics
- gaining a fluent knowledge and recall of number facts and the number system
- developing the ability to think independently and to persevere when faced with challenges
- fluency in performing written and mental calculations and in using mathematical techniques
- being able to embrace the value of learning from mistakes and false starts.
- being able to use accurate mathematical vocabulary

Maths topics that we cover and revisit and build upon each year:

- Calculation
- Fractions
- Decimals
- Shape and space
- Measurement –
- Time, money and data handling



If you would like to find out more information about the current National Curriculum for Maths, you can access the full curriculum [here](#).

**Helping your child at home:**

- Encourage them to go on  and/or  several times a week
- Talk about time, involve them in counting and using money
- Play games involving number
- Make maths fun and real



## Useful websites

**Games to support all areas of maths.**

<http://www.ictgames.com/resources.html>

**Learn to tell the time**

<http://www.primaryhomeworkhelp.co.uk/maths/measures.htm#Time>

**Games to learn about fractions**

<http://www.primaryhomeworkhelp.co.uk/maths/fractions/index.htm>

