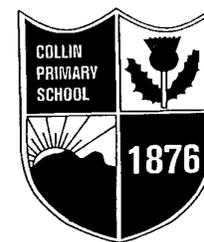


Collin Primary School
Numeracy and Maths at
Second Level





Introduction

Maths and Numeracy skills are important in our everyday lives and adults at home play an important role in promoting a positive attitude towards these skills. This leaflet will provide information on how Second Level Maths and Numeracy is taught at Collin Primary School as well as listing ideas and tips for parents and carers to try at home. There are lots of fun activities families can do together to reinforce Maths and Numeracy skills.

Useful Websites, including those we use in school

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- <https://www.topmarks.co.uk>
- www.mathplayground.com
- <https://www.mathsisfun.com>
- www.brainormous.com
- www.ictgames.com
- www.bbc.co.uk/bitesize/secondlevel/mathematics
- www.mad4maths.com/parents
- www.multiplication.com
- www.maths-games.org

If you go onto these websites and the levels are based on the English curriculum—the equivalent of Second Level in Scotland is KS2 (Key Stage 2)

What Methods & Resources are used?

Children learn about numbers best through activities that encourage them to -

- Explore ways that work for them
- Solve problems using information given
- Explain how they reached their solutions
- Use trial and error to develop their ability to reason.



Here at Collin we use a host of resources to help achieve



What I am learning in School?

These are the skills I'm developing in 2nd level...

- Estimating and Rounding with numbers to the nearest 10,100 or 1000.
- Recognising numbers up to 10 million and beyond and decimal numbers up to 3 places.
- Solving addition and subtraction problems involving 4 or 5 digit numbers.
- Solving multiplication and division problems by 10, 100 and 1000
- Applying the correct order of mathematical operations (BOMDAS)
- Recognising multiples, factors and primes of numbers.
- Comparing the equivalents of fractions, decimals and percentages. Also simplifying and matching one with the other.
- Finding fractions of quantities and adding, subtracting ,multiplying and dividing fractions.
- Understanding money. Looking at foreign currency, budgeting and using bank cards, profit and loss.
- Getting to grips with time: using 12 hour and 24 hour time, measuring intervals, reading timetables and solving time-distance-speed problems.
- Applying measurement skills—weight, volume and length using correct units and converting.
- Understand patterns and relationships
- Solve expressions and equations
- Recognise and understand the properties of 2D and 3D shapes
- Understand types of angles by recognition, measuring and drawing.
- Work with scale and be able to work with models, plans or maps.
- Understand how to use a compass
- Draw up co-ordinate grids and recognise the importance of such.
- Understand symmetry and what it means.
- Analyse data looking at graphs, carrying out surveys and displaying results.
- Predict how likely an event will occur—looking at probability.



Learning at home

Top Tips for my family to help me enjoy maths

- Let me know that everyone can learn about numbers
 - Let me know that you think numeracy is important and fun
 - Point out ways in which different family members use numbers in their jobs
 - Be positive about your own maths abilities. Try to avoid saying "I was never good with numbers" or "I never liked maths"
 - Encourage me to be persistent if a problem seems difficult
 - Praise me when I make an effort, and share in the excitement when I solve a problem or understand something for the first time.
- Explore sharing and division through sweets, fruit & toys. Relate this to the times tables facts.
 - Talk about adding and taking away in everyday situations e.g. when at the shops, measuring ingredients in cooking etc.
 - Ask your child to hold a big number in their head and add/subtract to or from that number.
 - Add and subtract using numbers on a license plate, house numbers or road signs.
 - Ask your child questions about how they worked out the answer. See if they can use what they know to guess the answer before they work it out.

