

The following are websites and apps that are tried and tested by many of our teachers.

Maths Websites to help your child at home

e-ako

<https://e-ako.nzmaths.co.nz/>

An excellent interactive site which has a variety of mathematical areas. Children progress along pathways at their own rate. When they get to a certain point they are given a small assessment, which will unlock further pathways. Recommended for Year 3 and up.

NZ Maths

<http://nzmaths.co.nz/families>

A useful site which gives you ideas on how you can incorporate maths into everyday family life.

Flashcards

<http://teachertools.co.nz/flash-card>

A handy website for Basic Facts practise using digital flashcards in the areas of Addition, Subtraction, Multiplication and Division.

Prototec

<http://www.prototec.co.nz/maths.html>

No fancy pictures, but this is an excellent website for all levels of ability. It begins with Stage 2 - Counting from one and goes right up to Stage 8 - working with fractions, decimals and percentages. It even does the marking for you!

Maths in the World Around Us

The following ideas may help you to use everyday situations to have mathematical conversations with your child.

Shopping

Year 1 & 2:

Ask your child to bag some fruit or veges “ I need 9 apples”, change it to having 3 in the bag and say you need 6, how many more.

Year 3

As above but with bigger numbers (i.e 15 potatoes) and more of the starting with a number (“I’ve got 6 and I need 14, how many more” get them to guess first then see if they are correct. Look at prices and see if they can double simple amounts when to buy 2 of something (milk is \$3.25, how much for 2?) How much will something cost at 50% off?

Phone Numbers

All Levels:

Remembering phone numbers and birth dates, addresses all help build memory capacity and the ability to hold more than three numbers in our short-term memory.

Cooking

Year 1 & 2:

Counting out ingredients.

Cutting different objects (sandwiches, apples etc) into fair shares and naming them as fractions, make the connection to sharing into three is called thirds (for $\frac{1}{2}$, $\frac{1}{3}$, $\frac{1}{4}$), how much is left after you have eaten one piece?

Year 3

Doubling recipes and quantities. Measuring water to make Raro, what about for two packets?

Reading the scales on measuring jugs and cups.

Size of fractions – do I get more pizza if I get $\frac{1}{6}$ and it's cut into six or $\frac{1}{8}$ if it is cut into eighths?

Maps

Year 1 & 2:

When walking places talk about turning left and right, forwards and backwards. Use Google maps to find where you live and trace your way to school, the shops or grandma's. Point out where friends live, where the crossing is etc.

Year 3

Introduce turning at right angles, streets that are parallel to each other. Look at the compass and find x if your home faces North?

Temperature

Year 1&2:

Talking about hot and cold and comparing them (the ice block is colder than the glass of juice)

Year 3

Have a thermometer and read the scale. Calculate differences (it was 16 degrees yesterday and only 12 now).

Money

All Levels:

Pocket money, keeping track of savings, spending it – what can I afford? How much more do I need to save? Open a bank account. Check your change at the shops !

Free Maths Apps to help your child at home



School A to Z

School A-Z (Maths Monkey)

Great for practising Multiplication facts, including when the 'unknown' is at the beginning and in the middle. Recommended for students learning their Times Table facts.



Math Bingo

Maths Bingo

Great for reinforcing Addition, Subtraction, Multiplication & Division in a fun way.



MathTappers: Find...
HeavyLifters Networ...

Find Sums

An excellent app for reinforcing numbers that go together to make a tidy 10. It has the option to show this as a visual or using digits. It also has the option to increase the number e.g. compatible numbers that make 20 or 100. Recommended for all year levels.



These two apps are multi-player games where up to 4 players take an end of the device. An equation is displayed in the middle board and players select their multi-choice answer and sweep it into the middle of the board. Questions are displayed in a variety of ways (finger patterns, dots on a Tens Frames and dice) This is great to develop students understanding.



Animal maths is a visually attractive app for young learners. It has a series of characters who each focus on different aspects of maths - Counting to 10, Sequences & Patterns, Addition to 5 (further categories can be unlocked by purchasing/upgrading).

Remember to take advantage of normal everyday activities just by adding some conversation and questions to them.