Mathematics 2017



NZ Maths Family Section

A site you may find helpful is the NZ Maths Family section... https://nzmaths.co.nz/families

On the 'Families' page there is an <u>introductory video</u> that describes how you can help your child learn about mathematics and support their learning at school.



One of the ideas suggested is creating a maths kete at home. The kete will include materials that are helpful in learning about maths through making and finding things and playing games together. This page gives you a list of things that you can find around your house or can get cheaply from discount shops. For each item in your kete there are ideas and links to the 'Maths at Our House' activity pages as well as links to number knowledge activities. Many of the activities are games and have cards or boards that you can print off and add to your kete.

Another useful link for parents

If you would like to learn more about National Standards in mathematics and how you can help your child at home, check out this Ministry of Education link ... http://nzcurriculum.tki.org.nz/National-

Standards/Supporting-parents-andwhanau/Resources

The Mathletics link is: http://nz.mathletics.com
Please encourage your child/children to use this site at home to help with their mathematics learning.



Mathematics in the classroom

At our school children learn mathematics in a variety of ways, some of which may be different to how you remember.

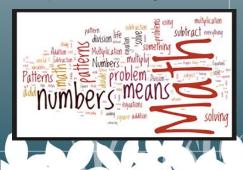
This will often involve children working with the teacher in a small group, targeting their specific learning needs.

Sometimes it may involve working as a whole class, solving a variety of problems. Children may then break into smaller groups of a similar or mixed ability, to continue working on these problems.

Whole class learning may also occur when studying Geometry, Measurement and Statistics strands.

A teacher and/or teacher aide may sometimes work individually with students, offering targeted support in a particular area.

Children may also work independently on: follow-up activities (both written and hands on); Mimio and computer maths games; Mathletics; board games; construction; patterns; puzzles and problem solving.



Maths outside of school ...

How you can help explore Maths at home

There are many ways you can support your child with maths at home by using everyday experiences. It is important your child sees that you have an awareness of maths being all around us. While learning basic facts and solving problems correctly is important, it is the 'how' and 'why' that your child really needs to grasp. Understanding how they got an answer encourages them to apply their knowledge to different situations and contexts.

Watching Sports - distances, times, scores ... sports is filled with numbers! Look at sports scores and talk about results. Games like rugby are great for practising 5x tables (tries), 2x tables (conversions) and 3x tables (penalties). Look at the final results and talk about different combinations. Timeframes in games provide opportunities to talk about minutes, hours, seconds, halves and quarters.

Card Games - play card games to help learn basic facts.

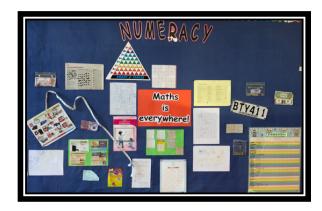


Calendar - use a family calendar, or have one in your child's room, to mark significant dates and count down the sleeps. Talk about the days of the week.

Measuring - help with baking, cooking and sharing out food. Count how many and talk about whole, halves, quarters and thirds. Add fractions together, for example, 'The recipe says ¾ cup, but we're going to double or triple the recipe.'

Money - look at advertising flyers and read the numbers. Use dollars and cents, weight and quantity to find the best deals. Encourage saving and discuss bank interest.

Weather - watch weather news, read it in the paper or on the Internet. Talk about temperatures and find the difference between the highest and lowest each day.



Maths is all around us

- * Measuring length, weight, volume, amounts
- * Checking temperatures
- * Looking at how things change
- * Changing money for holidays
- * Shopping
- * Driving
- * Cooking
- * Playing games
- * Comparing things
- * Designing and building things
- * Looking at reflections
- * Making patterns
- * Reading timetables
- * Saving money
- * Sharing with others
- * Telling the Time
- * Playing sport
- * Fundraising
- * Surveys

