



**Maths on the Loose**  
**Years 1, 2 and 3 - Term 3, 2021**

Fee \$108

**It's About Time! with Robyne Bowering**

What can happen in a second? Quite a lot actually. A honeybee's wings can beat over 230 times, 49,484 Google searches are made on average and four human babies are born. In 60 seconds (one minute) lightening will strike the earth 360 times, and you will blink between 12 and 15 times. In 3,600 seconds (one hour) your heart will beat around 5000 times, a baby blue whale feeding on its mother's milk will gain 4.5 kg and an adult will take 900 breaths. A day is determined by the length of time that the earth spins on its own axis, but why is a day 24 hours long? Why is an hour made up of sixty minutes and why are there sixty seconds in a minute? Why are there seven days in a week and 365.25 days in a year? How short is a zeptosecond – the shortest unit of time that has been measured? So many questions, and only 5,400 seconds to answer them in.

*Robyne is a passionate and enthusiastic educator with over twenty-five years of experience teaching primary, secondary and tertiary students. Robyne is particularly keen on providing bright students with multiple opportunities to creatively explore their ideas and thinking through a range of hands-on, minds-on activities.*

**Apples, Fish, Socks & Hats: The Wonderful World of Dr Seuss Maths with Megan Dredge**

Are you ready to do a number crunch and find out answers with more than a hunch? Then join us on this arithmetic adventure through the weird, wacky, and often marvellously mathematical world of Dr Seuss. What would you do with one fish, ten apples, and five hundred hats? The hidden maths in Seuss' world is as brilliant as his literary genius. From Bartholomew Cubbins' computational conundrum with hats to the back-to-front world in Wacky Wednesday, there is maths to be found in nearly every one of his works. Together, we will manipulate numbers and problem-solve with place value to solve abstract calculations using concrete strategies while we create our own Dr Seuss inspired mathematical story. From there to here and here to there, we will show maths is fun and funny everywhere!

*Megan is a passionate and inspiring presenter, who loves teaching students and who loves teaching teachers. She's a teacher, an author, a writer, a speaker and a producer. If you've seen 'Project Planet' or 'The Sticky Gang' on the ABC, then you've seen some of Megan's work. Megan is the Global Leadership Coach for Propel Women, actively training over 5000 leaders in 80 nations. Whether it's in the classroom, the boardroom or the marketplace, Megan is passionate about communicating for life change .*

**Let Loose Mother Goose with Justin McKenzie**

*Large eggs, small eggs and some in-between, eggs of all sizes are a sight to be seen.  
But not all belong to our dear feathered friend, this silly old goose is known to offend.  
Old Mother Goose has her egg in the nest, but help us find out, whose are the rest?*

Mother Goose has gone a bit cuckoo and snaffled up all the eggs at the lake, and her feathered friends are *not* happy! After interviewing her noisy neighbours, we've discovered who lays the heaviest eggs and who lays the lightest. Here is the catch – all the delicate eggs have been wrapped-up to protect them, and without scales, we're unable to match the egg to the bird who laid it. Can you hatch a plan that returns the eggs to their rightful owners using only items from the hen house? The answer hangs in the balance and will require you to use your computational, cognitive, and mathematical skills to devise a cracking solution that leaves the eggs intact.

*Justin has a passion for science and mathematics and a drive to pass this on to his students. An electronic technician in another life, Justin now specializes in teaching mathematics, science and technology, and for the past 13 years has presented many well received programs with G.A.T.E.WAYS. His enthusiasm is infectious!*