

G.A.T.E.WAYS has pleasure in inviting gifted and talented

## PREP CHILDREN TO A 'FESTIVAL OF WORKSHOPS'

at Brighton Grammar Middle School, Allee Street, Brighton

**MONDAY 9 DECEMBER, 2019**

**9.15 am to 3.00 pm**

PROG NO.	Monday 9th December	PROG NO.	Monday 9th December
1	AM: Maths Monster Mayhem <sup>Ⓜ</sup> PM: The Mysterious Disappearance of Ewando <sup>Ⓢ</sup> <b>FULL</b>	6	AM: Bubble Bonanza! <sup>Ⓢ</sup> PM: The Curious Case of the Missing Maths Teacher <sup>Ⓜ</sup>
2	AM: Top Spinners <sup>Ⓢ</sup> PM: Need For Speed! <sup>Ⓜ</sup>	7	AM: Let Loose With Dr Suess <sup>Ⓐ</sup> PM: Let's Go Fly A Kite! <sup>Ⓐ</sup> <sup>Ⓢ</sup>
3	AM: The Mysterious Disappearance of Ewando <sup>Ⓢ</sup> PM: Top Spinners <sup>Ⓢ</sup>	8	AM: Need For Speed! <sup>Ⓜ</sup> PM: Bubble Bonanza! <sup>Ⓢ</sup>
4	AM: Frozen! <sup>Ⓢ</sup> PM: Maths Monster Mayhem <sup>Ⓜ</sup> <b>FULL</b>	9	AM: Let's Go Fly A Kite! <sup>Ⓐ</sup> <sup>Ⓢ</sup> PM: Let Loose With Dr Suess <sup>Ⓐ</sup>
5	AM: 'Best Mates' – Let's Dance! <sup>Ⓣ</sup> PM: Frozen! <sup>Ⓢ</sup> <b>FULL</b>	10	AM: The Curious Case of the Missing Maths Teacher <sup>Ⓜ</sup> PM: 'Best Mates' – Let's Dance! <sup>Ⓣ</sup> <b>FULL</b>

Ⓐ Arts: Creative or Performing    Ⓣ Technology    Ⓢ Science    Ⓜ Maths    Ⓛ Language and Literature    Ⓟ Problem-solving

Please choose one program only. Workshops cannot be mixed and matched.

The fee is \$108.00

**ENROLMENTS OPEN NOW!**

### Enrolment Procedure:

1. Go the G.A.T.E.WAYS website [www.gateways.edu.au](http://www.gateways.edu.au) and follow the links to 'Parent Enrolled Programs' on the Home Page. Select 'Festivals'.
2. Click 'Enrol' next to Existing Account Holder OR 'Register' next to New Account. Please do not create a new account if your child has attended G.A.T.E.WAYS in the past.
3. Complete fields then click 'Continue to Program Selection'.
4. Check the box under 'Select' for the festival required, then 'Continue to Unit Selection'.
5. Select 'Enrol' for the days required. Only programs with availability can be selected.
6. Select a program and then 'Continue to Home Address'. Complete all fields and proceed to payment page.

7. If you require assistance please phone G.A.T.E.WAYS on 03 9894 2116.

## PREP FESTIVAL WORKSHOPS

Please bring a notebook and a well-stocked pencil case with a grey lead pencil, coloured pencils, a capsule sharpener, ruler, bright textas, scissors and glue. Please also bring along any additional materials listed for your program.

### **MATHS MONSTER MAYHEM with Allen Dickson**

Eek! The Maths Monsters are lurking everywhere! There's a 'More-Or-Less Monster' hiding in your lunchbox, a 'Multiplication Monster' in the bin, a 'Plus-n-Minus Monster' under the mat and a 'Measurement Monster' behind the sticky tape dispenser. As fearless Maths Monster Hunters, our first job is to trap the monster, discover what that monster means... and then feed the monster its mathematical meal. Can we 'count' on you to 'round up' every Maths Monster?!

### **THE MYSTERIOUS DISAPPEARANCE OF EWANDO THE EXOTIC GOLDFISH with Joy Garratt**

Something 'fishy' is going on at school! The students have a very special class pet- an exotic goldfish. But while their class teacher is away, the fish has gone missing! Who could have taken it? Where could it be? Will the students find the fish before their teacher returns? The fish has to be found so fearless forensic investigators are needed to help solve this perplexing case. Critical thinking skills as well as scientific processes will be employed to investigate clues and safely locate Ewando the Exotic Goldfish. Until a culprit can be identified, all students are being asked to be on the lookout for a fish out of water! **Bring a blank A4 notebook.**

### **TOP SPINNERS with Tm Byrne**

Spinning tops are fascinating toys that have survived the test of time. They are at once both simple and complex. Join us as we explore the world of spinning tops. What makes them spin, stand, wobble and fall and how can they create interesting effects? Grab some equipment and we'll create some different types of spinning tops including buzzers, sleepers, hoppers, colour-changers and even tops that can draw. We'll experiment with their size, weight, colour and shape and discover that, just like a bike or the planet earth, they rely on spin to remain stable. There'll be lots of tips to make tops so get your spinning fingers ready and discover how spin helps the world go round and round and round and round. **Please bring a CD and a spinning top from home to share if you have one.**

### **NEED FOR SPEED with Jenny Lee**

Usain Bolt is a Jamaican sprinter who holds the world record for the men's 100 metre sprint. His speed is amazing ...but how do you think he'd fare if he was racing against different land animals? Do you think he could outpace a cheetah, a rabbit or even your pet cat? What if he raced against other sprinters but the length of the race depended on your height? Would that make a difference? Join us in this maths workshop as we compare the top speed of various four-legged animals and explore surprising facts about speed, distance and proportion. Let's get racing! On your marks, get set...go! **Please bring a ruler.**

### **FROZEN! with Leanda Read**

Brrrr... it's cold in here! You'll need to rug up if you want to come explore the fantastic properties of frozen water with us. What is ice? How does it form? What happens to the volume of water when you freeze it - and what on earth is supercooled water?! Can you manipulate the freezing temperature point? Let's find out! As if that wasn't enough frosty fun, we'll apply our knowledge to the creation (and consumption) of the best frozen substance ever invented – ice cream! Come prepared to have lots of freezing fun in this workshop. **Note: During this session, students will make and consume ice cream (containing cow/soy milk, sugar, vanilla flavouring and sprinkles) so if your child has allergies to these ingredients, this will not be a suitable workshop for them.**

### **'BEST MATES', LET'S DANCE! with Mark Maxwell**

Have you seen the 'Best Mates' dance, with its weird swinging arms and high knee moves? What about the flossing (and we're not talking the kind you do to your teeth!)? Imagine laying down a toe-tapping beat and a catchy melody of other sounds and turning them into your own track to accompany these dances – as performed by a robot! In this workshop we will use Lego to make our own robots. Then we'll experiment with loops, a strange mixture of everyday noises and making a game controller to make our robots dance! Get ready to wow the audience – this will be one high-tech performance!

### **BUBBLE BONANZA with Bobbie O'Brien**

Everybody loves bubbles – they are a source of fascination for children and adults alike and hold many scientific secrets. Doctor Bubble hopes to win the prize for the best bubble at the Great Bubble Bonanza, but her rival, Professor Pop, has stolen her bubble recipe! She needs your help to recreate it. In this hands-on interactive workshop, we will explore the science of water and soap molecules and how they combine to form the best bubbles. Use your scientific powers of prediction, observation and analysis as we help Doctor Bubble create her best bubble recipe yet! ***Please bring writing and colouring materials and an art smock, apron or lab coat to this workshop.***

### **THE CURIOUS CASE OF THE MISSING MATHS TEACHER with Annette Subhani**

The Prep *Number Ninjas* have been working on a lot of very tricky maths questions to prepare them for the *Mighty Mathematician's* competition. With only three days to go, something terrible has happened!! Miss Numero, the best maths teacher in the world, has disappeared! We need a team of maths whizzes to help piece together the series of clues left at the scene. We will have to use all our skills with number lines, codes, number puzzles and patterns, geometric shape calculations and facts, along with our mapping skills to help us find Miss N and make sure that we are ready for the competition in time!

### **LET LOOSE WITH DR. SUESS with Megan Dredge**

Twins Sam and Tilly are celebrating their 6th birthday, and have invited everyone to come to their party dressed as their favourite Dr. Seuss characters. Everyone is so excited! Horton the Elephant, The Cat In The Hat, The Lorax and many others all arrive ready to play party games, but the problems begin when Horton's birdie friend Maisy turns up on the twins' doorstep very upset... Oh no! What's happened? Can you help to turn Maisy's frown upside down and ensure all the Seussical party guests still have fun? You'll have to use lots of dramatic techniques, non-verbal communication skills as well as your most persuasive powers to get to the bottom of Maisy's problem and still have time to play party games to celebrate with the twins!

### **LET'S GO FLY A KITE with Jo Baker**

Come and be introduced to the wonderful world of kites! You'll find out a little about their history, explore the different shapes and sizes of kites and learn the basic principles of how to fly a kite. Using your creativity, you will construct and decorate a Diamond Kite which is as individual as you! We will then experience the thrill of flying our kites. By the end of the program you will also have some ideas about designing and building kites at home. ***Bring some colourful textas.***

## **MEET OUR PRESENTERS:**

**Allen Dickson** is an educator with a passion for ensuring learning is innovative, practical and enjoyable. For nearly 20 years he has specialised in the fields of Drama, English and Maths, and uses his diverse range of unique skills to initiate change in classroom practice. Allen runs his own educational consultancy, RethinkPD.

**Annette Subhani** is an educator, a parent and a person of varied life experience with a passion and desire to contribute to the character development of children from an early age. She has been presenting with G.A.T.E.WAYS for over five years and she thrives on working collaboratively with children. Annette encourages students to question the world around them and to transfer their learning to real-life. She has a love of history, reading and literature, maths, story-telling, the arts and living life.

**Bobbie O'Brien** completed her undergraduate Bachelor of Arts/ Bachelor of Science degrees at the University of Melbourne in 2006. In 2007, she completed an honours' degree in the Developmental Epigenetics Laboratory at Murdoch Children's Research Institute. Bobbie is also a qualified primary school teacher. She is passionate about science and education and enjoys combining these passions with G.A.T.E.WAYS.

**Jenny Lee** has completed a Master of Teaching with Mathematics and Science methodologies and has taught Prep to Year 12 in a range of schools in Victoria and New South Wales. She has worked with students, parents and teachers from various backgrounds. Through these fun and valuable experiences, she has become skilled at delivering differentiated programs to highly able students. In her spare time, Jenny loves playing with numbers, breaking coded messages, and studying delightful magic tricks.

**Jo Baker** has been making and flying kites for the last 27 years. She has won the Australian Sports Kite Championships and was the 2005 World champion in the soft kite category. She has attended International Kite Festivals world-wide. She started Kites 4 Kids in 1995 and conducts fantastic kite-making workshops.

**Joy Garratt** is an experienced teacher who has worked across many settings and age groups. She loves children to be really involved in their learning so nothing like a few mysteries and problems to be solved in order to engage students (especially when the mystery might take them to New York, Paris, London or to the Land of Fairy-tales). Creating an environment that promotes curiosity, investigative thinking and innovation is important to Joy.

**Leанда Read** has a Bachelor of Science and a PhD in psychology. In addition to having been director of a national assessment services company, a consultant with a not-for-profit, and a researcher, Leанда is a parent. While she has taught psychology and statistics to university students, she loves nothing more than working out ways to translate challenging information into engaging and accessible content for curious young learners. Leанда loves to learn about the world around us and share her curiosity and passion for learning with like-minded young people.

**Mark Maxwell** is an artist, technician, builder and workshop presenter who has a giant studio to work his ideas. His practice encompasses sculptural marques, woodwork, animation, set design and lighting. When creating miniature models, he explores engineering principles and tries to design projects that promote open ended creativity. His creative process involves constructing working models from scratch and using technology to program basic functions.

**Megan Dredge** is a passionate and inspiring presenter, who has spent two decades teaching in both the public and private education sectors. Megan is committed to helping students aim higher, reach further, and learn stronger. She has authored four books, developed numerous resources for teachers, and most recently developed the education resources for the ABC's sustainability series, Project Planet. She has spoken extensively in Australia, Asia and Europe and is currently the Global Leadership Coach for Propel Women, actively training over 4000 leaders in 44 nations around the world.

**Tim Byrne** enjoys all areas of science. Science is a way of looking at the world and trying to figure out what's going on, so every day brings another challenge to look further, deeper or differently. He likes to share his passion for science with anyone who will take the time.

# GATEWAYS FESTIVAL

