

# GATEWAYS FESTIVALS

G.A.T.E.WAYS has pleasure in inviting gifted and talented  
**Year 3 and 4 children to a 'FESTIVAL OF WORKSHOPS'**

at Firbank Grammar, Middle Crescent, Brighton

**MONDAY 21 JUNE AND TUESDAY 22 JUNE, 2021**

PROG	Monday June 21, 2021	PROG	Tuesday June 22, 2021
1	AM: Sheriff Trigger Nometry & the Maths Mystery (M) PM: Swashbuckling Science (S)	1	AM: Creepy Creatures (S) PM: Swashbuckling Science (S)
2	AM: Does Slow and Steady Always Win the Race? (T) PM: Going with the Flow (S)	2	AM: It's Energised! (S) AM: Does Slow and Steady Always Win the Race (T)
3	AM: Survivor! (S) PM: Robbie the Runaway Robot (M)	3	AM: Survivor! (S) PM: Robbie the Runaway Robot (M)
4	AM: Who'll Come A Waltzing? (L) PM: Whodunnit? (L)	4	AM: Who'll Come A Waltzing? (L) PM: Whodunnit? (L)
5	AM: Creepy Creatures (S) PM: Aesop's Adventures in Fableland (A)	5	AM: A Rabble of Drabbles (L) PM: Aesop's Adventures in Fableland (A)
6	AM: A Weird and Wonderful Poetic Encounter (L) PM: W.O.W.- World of Wordcraft (L)		

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

**Please choose one program only. Workshops cannot be mixed and matched. Do not choose the same workshops both days.  
 The fee is \$110 per day.**

**Enrolments open Monday, 10 May**

- 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'.
- 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.
- Complete fields then click 'Continue to Program Selection'.
- Check the box under 'Select' for the festival required, then 'Continue to Unit Selection'.
- Select 'Enrol' for the days required. Only programs with availability can be selected.
- Select a program and then 'Continue to Home Address'. Complete all fields and proceed to payment page.
- If you require assistance please phone G.A.T.E.WAYS on 03 9894 2116

**FESTIVAL WORKSHOPS**

9.30am – 3.15pm (registration 9.00am to 9.25am)

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.

Also bring along any additional materials listed for your program.

### **SHERIFF TRIGGER NOMETRY AND THE WILD WEST MATHS MYSTERY with Allen Dickson**

It's the Wild West and the ever-clever Sheriff 'Trigger' Nometry has been called out to the 'Problem Ponderosa'. It seems someone fired at Mayor Prime, wounding a little more than just his ego. Armed only with your keen wit and Pythagoras' Theorem, you'll have to logically decipher the clues, figure out where the mysterious bullet came from and which rogue fired the shot. Then – as Trigger's Deputy of Deduction – you'll have to track down this 'numerical varmint' to his hideaway... but be careful of the maths booby traps around every curve... even around every parabola. **Bring a ruler and calculator.**

### **SWASHBUCKLING SCIENCE with Jesse Chambers**

Arggh me hearties, climb aboard and join Captain Walker D. Plank as he embarks on a voyage across the Seven Seas to uncover a treasure-trove of science. Using our scientific ingenuity, we will have to help him find his long-lost treasure whilst, at the same time, keeping the scallywags at bay. However, in his haste to beat the rival pirates to the treasure, he has set sail woefully unprepared... with no cannonballs, a leaky boat and a blank map! However, not all is as it seems. Can you help Captain Walker and his pirate crew with some good ol' fashion science to beat his rivals to the gold? After patching up the ship, we will use the Bernoulli Principle to fire invisible cannonballs from our own handmade air cannons and invisible ink to create treasure maps that only a seasoned seafarer could read.

### **DOES SLOW AND STEADY ALWAYS WIN THE RACE? with Mark Maxwell**

We all know the famous Aesop's fable, 'The Hare and the Tortoise', the story of a boastful hare who challenges the other animals to a race, believing there is no way he will be beaten. Ultimately though, he is taught a lesson, when a slow-and-steady tortoise wins. In this workshop children will program a tortoise or a hare, determining each animals' functions and making sure they are accurate in the representation of how each animal moves. Then, using LEGO® NXT animals, they will put their programming skills to the test in a series of races. The races will not simply test which animal is the fastest from point A to B; children will also be challenged to incorporate their animal's characteristics and moods into their performance. Will slow and steady win the race this time?

### **GOING WITH THE FLOW with Joanne Davis**

In a not-so-far away dystopian future, the human race is having to take control of their destiny! There are many challenges to face on Earth, including having to grow crops in arid conditions, carbon dioxide is being rapidly absorbed into the warming oceans, and plants are being grown to generate oxygen farms. What do these challenges have in common? It's all about osmosis and diffusion of solutes, liquids and gases of course! In this program we will train our future scientists using hands-on experiments, to learn why potatoes don't grow well in salty water, why carbon dioxide absorption makes water acidic, and how oxygen is transported across plant and animal membranes. It's time to take control of this situation in order to prolong our future on Earth, rather than going with the flow!

### **SURVIVOR! with Tim Byrne**

We all hope that we will never be lost in the bush but if we do become lost for a while, whatever you do – DON'T PANIC! What are some of the useful skills we might need to help us survive? In this workshop we get down to the basics of survival. We start with learning a serious skill - how to make a working compass from simple materials. Next we learn how to troubleshoot a broken torch, how to make a hat to protect us from sunburn and even how to make a simple paper bowl. . While working with a friend, you will feel supported and less likely to panic. Our final task in survival is to make a whistle and spare our voice box.

### **ROBBIE THE RUNAWAY ROBOT with Sharon Leibowitz**

Professor Abacus is in tears. He was working on a new machine to enlarge pizzas when he mistakenly enlarged his favourite robot, Robbie who stomped all over his house, causing chaos. Now he has escaped and is creating mayhem in

the city of Mathland!! Professor Abacus has begged his friend Professor Absentminded to lend him his reducer machine so that he can shrink Robbie back to normal, but Professor Absentminded can't remember where he has put his machine. He thinks that maybe it has been stolen! The mayor is going crazy and her phone is ringing 'off the hook' with complaints. She and Prof A need a great maths detective to help them find the machine before the town goes into lockdown. Can you help? To solve the mystery, you will need your knowledge of area and perimeter to help you unravel the clues presented in this intriguing case

### **WHO'LL COME A-WALTZING? with Annette Subhani**

*Once a jolly swagman camped by a billabong...* So begins one of our most well-known traditional Australian bush ballads. These ballads tell the stories of larger-than-life characters and the challenges faced by European settlers in the early 1800s, including raging flood, devastating bush fire, the settlement of new towns, news of inventions or competition between mountain horses. In this workshop, we'll explore a number of ballads by two of the best-known writers, Banjo Paterson and Henry Lawson to uncover some common life themes, the real story behind *Waltzing Matilda* and to unpack various injustices of the era. Finally, we'll put pencil to paper to devise our own ballad which captures the spirit of the times.

### **WHODUNNIT? with Damian Robb**

You and me, we have a crime to solve! The legendary Giant Viennese Mountain Goat has been stolen from the zoo a day before it was due to be shown to the public! Which means we have twenty-four hours to figure out who stole it and get it back. As of right now you're an official member of the Whodunit Detective Agency — an elite group of detectives who have solved some of the world's most famous crimes. This case is sure to be our hardest one yet, so in order to solve it we need to look at all the elements of the crime. Who were the witnesses? Who are our suspects? What are their motives? Do they have alibis? How does someone even steal a Giant Viennese Mountain Goat? And of course, what clues were found at the crime scene? I'm sure together we can crack this case, so it's time to pick up your pencils and pads, and maybe a magnifying glass, and figure out whodunit.

### **CREEPY CREATURES with Liam Mackay**

Whether it is the self-exploding Bombardier Beetle, blood-sucking vampire bats or the ugly sea pig, Mother Nature is alive with creatures that look, smell or behave in the most peculiar ways. Why might these creepy creature features have developed? Just like the Bombardier Beetle, we'll create our own exploding abdomen and, if you're tempted to try the diet of a leech, louse or vampire bat, we'll even learn a recipe for delicious chocolate blood.

### **AESOP'S ADVENTURES IN FABLELAND with Megan Dredge**

What happened when the singing grasshopper met the bookish ant? Why don't foxes like grapes? These aren't the start to jokes — they're the ideas behind the really, really old stories originally told by the Greek slave Aesop (and retold by many others for the last two thousand years!). Remember the story where the tortoise and the hare had a race, and the tortoise won? What about the story of the crazy goose who laid a golden egg every day? Aesop was SO GOOD at telling and acting out these stories — and many, many more — for his master that after hearing him in action he granted Aesop his freedom. In this workshop we'll explore how Aesop wove life lessons into entertaining stories and why they've survived the test of time before trying our hand at creating our own. Will your story-telling skills prove to rival Aesop's uncanny abilities?

### **A WIRD AND WONDERFUL POETIC ENCOUNTER with Layla Sacker**

Journey into a world unseen by the naked eye, where you'll meet some everyday organisms that look terrifying under a microscope, and then create some awesome poetry in response. Yes, science and poetry are perfect companions when we encounter beings so weird that they could be the subject of a great sci-fi movie! You will meet the *Demodex follicorum* family, the bizarre looking creatures that call our bodies home. Did you know that there are as many creatures on your body as there are people on Earth?! Come and meet just a few of them. You will be inspired and supported on your poetic journey to this 'hidden world'.

### **W.O.W. – WORLD OF WORDCRAFT with Andrea Blake**

W.O.W! What does this acronym reveal about this supertastic workshop? It's a clue for you - if you love brain-busting challenges where you get to play with curious puzzles in language, then this **Workout Of Words** will totally WOW you! We pump out pangrams, load up lipograms, try tricky tautograms, activate anagrams and more. Does it stand for **Witty**

**Or Weird?** You'll get a chance to find out as you problem solve, experiment and create your own all-sorts-of-grams. So pack your portmanteau (it will reveal what supertastic means) and get your cinking thap on (you're right, that's a Spoonerism!) and experience a **Welcome Of Wordsmiths** (did I just invent a new collective noun?!).

#### **IT'S ENERGISED with Emma Carter**

Sound and light, electricity and movement, our bodies, our brains and even our planet – none of these would 'work' without energy. Learn about where energy comes from, where it goes and what it can do along the way. See how much elastic potential energy is converted to kinetic energy when you build a car powered by a balloon. The faster it goes, the more kinetic energy it has! Look at the orbits of the planets and comets to see where the energy is at different parts of the orbit. Some of the orbits look pretty strange! Find out about energy from food and how it is used inside our own bodies. A combination of activities, challenges and demonstrations will allow students to understand the importance of energy and how we can use it.

#### **A RABBLE OF DRABBLE with Rebecca Fraser**

A drabble is a story told in exactly 100 words. No more, no less! Sounds simple in theory, right? In this workshop we'll put that theory to the test and discover that these short works of fiction require a special set of skills. So, get ready to flex your creative writing muscles and join in this rabble of drabbles! We'll look at the rise in popularity of short form fiction before exploring the different elements of craft required to write a drabble or two of your own. Then it's time to pop on your editor's hat and polish your drabbles until they sparkle. We'll learn some new literary techniques and terms, including redundancy, brevity, and how to take a critical eye to your own work and tighten it with a few tricks from your writer's toolkit. Are you up for the 100-word challenge? This workshop is fast-paced, creative fun! Pssst! Word on the street is we might have some zombies, vampires and witches joining us. *Shhh!*

**Our Festival presenters are a brilliant bunch! To learn more about them, head to**

**[www.gateways.edu.au/programs/festivals/mid-year-festivals](http://www.gateways.edu.au/programs/festivals/mid-year-festivals)**

**GATEWAYS**  **25** years of  
inspiration  
and challenge

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