

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

## Year 5 and 6 children to a 'Festival of Workshops'

hosted by Firbank Grammar, Middle Crescent, Brighton

**THURSDAY 14 DECEMBER and FRIDAY 15 DECEMBER, 2017**

**9.30 am to 3.15 pm**

PROGRAM	THURSDAY 14 DECEMBER	FRIDAY 15 DECEMBER
1	The Page-Turner's Library (L)	Fanfiction or Bust (L)
2	Potent Potions and Simple Solutions (S)	A Scientific Scary-tale (S)
3	Investigator Gadget \$25 levy (T)	Build Your Own Maze Game with Game Maker (T)
4	The Mystery of the Deserted Island (S)	Dancing with Robots (T)
5	Build a Billy \$35 Levy (T)	
6	Super Slam (A)	

(A) Arts: Creative or Performing (L) Language (S) Science (T) Technology

**Please choose one program only per day.  
The fee is \$100 per day.**

**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.**

### 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

**Enrolments open Monday, October 23**

# YEAR 5 and 6 FESTIVAL WORKSHOPS

## The Page-Turner's Library

with Kim Edwards

Legend tells of The Page Turner's Library, a mysterious vault where words breathe and feel, and books grow and flourish. Rumour has it that if you can but unlock the secrets of certain texts, they will open doors into lush and marvellous landscapes where new tales of adventure and passion are waiting for someone to write them into existence... Years ago, several pages were torn from tomes on the shelves of the library, and smuggled out into the real world: seven epic lost poems, claimed by modern society, but still yearning for an adventuring reader to fathom all their hidden depths... Are you that reader? **Requirements: Those who seek the lost poems should bring food rations fit for an adventurer, a pen mightier than a sword, and a writing book whose empty pages yearn to be filled...**

## Potent Potions and Simple Solutions

with Narelle Wood

It's a conundrum. You and your collection of chemists have been asked to categorise more than a dozen unknown solutions, not only by identifying the chemical (that would be too easy) but also by the concentration! It is just as well there is a huge range of scientific equipment at your disposal to help you figure this out. Burettes, pipettes, retort stands and... LEGO? Looks like the first step will be to work out what all this fancy looking equipment does. But never fear, there will be bubbling, swirling and stirring, as well some reactions that just look like magic (or science in disguise) as you mix together all sorts of concoctions to work out which of the unlabelled chemicals are potent potions and which ones are simple solutions?

## Investigator Gadget

with Sanjin Dedic`

Gadgets are everywhere. We use them in our daily lives at home, for work, leisure and for entertainment. You might think that technology is a modern phenomenon, but humans have used creativity and innovation to advance technologies for centuries. In this workshop, we will use a gadget called a microcontroller as a tool for scientific investigations into the human body and mind. We will write computer programs which create sounds that only birds could hear and shift them until we discover the very threshold of human hearing. We will generate flashes that last a millionth of a second to find the speed limits of the human eye and we will measure our reactions to both light and sound to find out how quickly we process information. Once the investigation is done, the real fun begins as we try to create games and competitions which will sharpen our senses and give us near superpowers! But the fun doesn't stop at the end of the workshop because you will be heading home with a copy of all our creations and an electronics kit so you can replicate all our experiments and create even more! **This workshop has a \$25 Arduino kit levy, payable on enrolment.**

## The Mystery of the Deserted Island

with Joanne Davis

Freddie Fruitarian has been found dead and a whole village has been deserted! What has happened on remote, tropical Jinglis Island, and where have the villagers gone? Is foul play involved? Your task is to set sail to the distant island with your team of forensic detectives, survey the crime scene and identify clues to solve this baffling mystery. You will encounter strange and beautiful creatures not found anywhere else, and an ancient tribe who has lived there for thousands of years. As scientists, we will follow a genetic trail to discover what has happened to Freddie and his friends. We will examine a range of cutting-edge forensic science techniques to investigate DNA profiling, how genetic diseases are inherited, and forensic entomology (insects!). Muster up your courage and curiosity, and come aboard this exciting forensic adventure! **Please bring a lab coat or art smock.**

## Super Slam

with Ron Thomas

Slam poetry, inspired by hip-hop culture, is becoming increasingly popular in Australia... and now it's your turn to grab a microphone and try your hand at this cool form of creative expression. Have your say! In the best possible way! Speak up and speak out. Learn rhetorical tricks. Weave wonderful words into wicked patterns to excite, entice and move your audience. Keep it rhythmic and passionate. Feel your confidence bound as you use sound, gesture and voice to enliven your words. Share your passion and impress others with your performance. Learn tips and tricks to thrill your audience with slam poetry and lay 'em in the aisles!

## Fanfiction or Bust!

with Ellie Marney

Oh no! Your fave TV show doesn't return until next year... or the next book in the series isn't released yet... or your movie characters won't return until the sequel. We all know this pain! But what if you could take your heroes on their next adventure? Fanfiction is a way to explore new worlds with the characters you love. As a group, we'll set five different challenges for your heroes – and it will be up to you to write them out of danger! Experiment with writing – different styles, different points of view, different genres – and pay homage to your favourite fandoms in this workshop that teaches you the tips and tricks of fanfiction. **Please bring along a notebook to write in.**

### **Build a Billy** with **Mark Maxwell**

Some wood and nails, some nuts and bolts, four wheels, now we can start.

This workshop's main objective is to build a billy cart!

(I'm not sure how it came to have a name as odd as Billy,

But Bree or Ben or Bob or Beth seems equally as silly!).

You get to take your 'billy' home - it's yours to keep forever,

I'm sure your Mum and Dad and friends will think you're very clever!

If you believe that building 'Bill' is all there is to do,

Then pay attention now because I have some news for you!

No billy cart was ever built to sit collecting dust,

It's 'on the track' they like to be, so racing is a must!

**Bring a hammer, tape measure, Phillips-head screwdriver, grey-lead pencils. Everything else is covered by the \$35 levy payable on enrolment..**

### **A Scientific Scary-tale** with **Jesse Chambers**

Local children Günter and Helga have vanished! As the story goes, they were on their way into the enchanted forest to their grandmother's house when they disappeared in a cloud of smoke. Who could be responsible? Some say the old man who lives deep in the woods is a wizard... but I suspect his wizardry is more about science than magical powers. Join us in this workshop to help us spot pseudoscience in an effort to put away the old scientific swindler and get to granny's cottage before dark. To do this, we will follow a trail of chemical and physical evidence and perhaps even use some of the wizard's own chemistry 'spells' against him. Remember though, stick to the path and be back before dark or else you too could meet the same fate. No tale would be complete without a happily ever after, although without your scientific skills, that ending might be far, far away!

### **Build Your Own Maze Game with Game Maker** with **Nat Bradshaw**

Computer games can be fun to play but they are much more fun if you create them yourself. During this hands-on workshop we will learn how to develop games with Game Maker Studio 2, a free game development platform for the PC which you can download at home. After learning the important concepts of sprites, objects and room design, we will develop some cool maze games with multiple levels. But no game is complete without some characters to sabotage your efforts! Once your games are complete we will develop some monsters for added effect and to make our mazes even more challenging! At the end of the workshop you will have a game to take home for your family and friends to play. **Essential – please bring a USB.**

### **Dancing with Robots** with **Andrew Dobbyn**

What's that you say? Robots made from LEGO dancing to popular music? A robot dance-off?! Is that even possible? Join us for this hands-on workshop as we discover that anything is possible when you know some basic programming! Once you have built your LEGO robot, you'll have to get your robot moving. Program some turns, forward and backward moves, then learn how to combine the movements, add some loops and repeats, and you'll have a dance routine that will tear up any dancefloor! Will your robot perform a solo or a duet with another robot... or even you?! Get those robot dancing shoes ready because this workshop will finish with a great robot dance-off! Join us for lots of fun bringing your robots to life as they dance to the beat of the music!

**Our Festival presenters are a brilliant bunch! To learn more about them, head to [www.gateways.edu.au/programs/festivals/end-of-year-festivals](http://www.gateways.edu.au/programs/festivals/end-of-year-festivals)**

