



**YOU'RE INVITED TO JOIN**  
**THE**  
**G.A.T.E.WAYS**  
**HOLIDAY CLUB**



**on 15 and 16 April 2014**

**from 9.00am until 4.00pm**

**at Donvale Primary School, Elata Street, Donvale**

**WORKSHOPS FOR YEARS 1 AND 2**

**Come and join in the challenge and fun in one of the following programs**

**Program 1: Fee: \$195.00**  
**Trouble in Tessellation Town**  
**and**  
**Pirates Ahoy!**

**Program 2: Fee: \$195.00**  
**Magic, Maps, Wands and Wonder**  
**and**  
**Once Upon a Puppet**

**Program 3: Fee: \$195.00**  
**Mini Mechanics in Training**  
**and**  
**Animation Creation**



**TIMETABLE**

<b>PROGRAM</b>	<b>TUESDAY - 15 APRIL</b>	<b>WEDNESDAY – 16 APRIL</b> <b>workshops continued</b>
<b>1</b>	am: Trouble in Tessellation Town pm: Pirates Ahoy!	am: Trouble in Tessellation Town pm: Pirates Ahoy!
<b>2</b>	am: Magic, Maps, Wands and Wonder pm: Once Upon a Puppet	am: Magic, Maps, Wands and Wonder pm: Once Upon a Puppet
<b>3</b>	am: Mini Mechanics in Training pm: Animation Creation	am: Mini Mechanics in Training pm: Animation Creation

**CHOOSE ONE PROGRAM ONLY. YOU CANNOT MIX AND MATCH WORKSHOPS FROM DIFFERENT PROGRAMS.**

**EACH PROGRAM CONTAINS TWO WORKSHOPS AND RUNS OVER TWO CONSECUTIVE DAYS.**

**ENROL ON [www.gateways.edu.au](http://www.gateways.edu.au) NEW TO G.A.T.E.WAYS? OPEN AN ACCOUNT TO COMPLETE A NOMINATION**

**IF YOUR SELECTED PROGRAM IS FULL YOU MAY NEED TO CHOOSE ANOTHER.**

**ESSENTIAL - PLEASE BRING A WELL-STOCKED PENCIL CASE AND NOTE BOOK TO ALL WORKSHOPS!**

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## PROGRAM 1

### ***Trouble in Tessellation Town with Allen Dickson***

Tessellation Town is the sort of town where everything just fits... literally! The houses, the streets, the flowers, even the pets, all work together to create a picture perfect world that repeats and repeats endlessly. But a mysterious someone in Tessellation Town wants to rebel. They keep leaving behind objects that don't fit in, and they are causing all sorts of problems by disrupting the patterns. Maybe they think that all this repetition and uniformity is limiting their individuality and self-expression? Or maybe they have a bigger plan? One thing is for sure – they are creating a mosaic of problems for Mayor Square.

This two-part workshop will delve into the mathematical patterns and sequences of tessellation; flip, slide and turn (reflection, rotation, translation), geometry and palindromic numbers. We will create tessellations of our own and experiment with ways to manipulate repeated patterns... a little like becoming a mini-M.C. Escher.

### ***Pirates Ahoy! with Maureen Frith***

You are in charge of a fleet of army destroyers and have to locate and sink a band of marauding pirates. Can you select the correct coordinates to sink their ships? In this deadly game of battle ships we use coordinates to stalk and sink our prey. It is rumoured that the pirates have a large hoard of buried treasure stowed away on a secret island. We will need to polish up our mapping skills to locate their island and find the buried treasure, which won't be easy. We will also need our problem-solving skills to overcome the obstacles and pitfalls which they have put in the path of anyone who has chanced upon their treasure map. Ha Ha! We've found the gold but is it real? How can we find out? This workshop focuses on mapping and problem solving skills in a pirate setting.



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## PROGRAM 2

### ***Magic, Maps, Wands and Wonder! with Rachel Holkner***

Who's got the map? Did anyone remember the pixie repellent? I hope so, because we're off on an adventure to Fantasyland! You've heard of Wonderland, Oz and Narnia, but perhaps the most exciting places are the unexplored lands so far off the map they haven't even been named yet! Let's find out what makes a fantasy world SO fantastic and why so many readers love fantasy. We're going to design our own world, putting in all the magic doorways, creatures and adventure it needs. How does magic work exactly anyway? Are these trolls friend or foe? And watch out because SOMEONE in this world is up to no good, and we'll have to foil their dastardly plan! If you love making-up lands, this is the workshop for you as we build on your great ideas to write a wonderful story.

### ***Once Upon a Puppet with Jackie Moss***

There are many ways to tell a story – and it's not always in black and white! Imaginative young storytellers with a love of creative arts and crafts will enjoy immersing themselves in this unique puppet making adventure. We'll look at storytelling of a different kind, exploring the ancient traditions of Indonesian shadow puppets, and you will have a chance to make your very own! Will yours be a King or a Princess? A goodie or a baddie? Our creative puppeteers will create two Asian inspired puppets - one 'shadow-style' figure, and another hand-held mythical creature. Using decorative hole punching, metallic pens and colourful jewels – you'll create your first puppet, with movable limbs, not unlike the mechanisms of the genuine 'Wayang Kulit' - which are made from dried buffalo skins! Skilful cutting, gluing, and decoration will ignite imaginations during the creation of our playful fire-breathing dragon puppet. There'll be lots of fun and activity as your puppets star in a short group performance – showcasing your puppetry and story-telling skills!

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## PROGRAM 3



### **Mini Mechanics in Training with Tracey Kaufman**

We are delighted to welcome dynamic and budding mini mechanics to participate in Australia's very first littleBits™ workshop. You will combine your logical thinking with creative designs to make circuits, and you will learn through cause and effect, and trial and error. In this workshop you will tinker with inputs, signals and motors, and there will be lots of experimenting. On the first day we will explore the littleBits™ circuit kits and make and create a tickle machine, a flashlight or an Art Bot (a device that can draw), plus a creation or two of your own. On the second day we will be creating a working ride for a theme park that uses a combination of littleBits™ as the electronic component to bring your creations to life. You will be planning, designing, constructing, testing and reflecting on your completed project. **As you will not be able to take home your models, please bring your camera so you can take some photos.**

littleBits™ is a pre-engineered modular electronics kit, which includes and incorporates power, light, sound, movement and switches. G.A.T.E.WAYS is excited to provide this opportunity through the support of the Mobile Republic team.

### **Animation Creation with Melanie Gillies**

Have you watched any of the *Toy Story* films? Are you familiar with the characters Nemo, Marlin and Dory from *Finding Nemo*? Did you cheer Lightning McQueen around every lap of the 'Piston Cup' in *Cars*? If you answered 'YES' to any of these questions, then you're going to LOVE this workshop! You will become part of the production team at Pixar Studios, better known for the making of films such as *Toy Story*, *Cars*, *Monsters Inc.* and *The Incredibles*. We will spend two days exploring the exciting world of animation, and be amazed by the process of turning still pictures into moving images. We will look 'behind the scenes' at a selection of Pixar films to uncover the thinking that is involved in designing and creating animation, and you will use this learning to create your very own animation! Be ready for lots of discussion, lots of drawing, a little bit of writing, and HEAPS of fun!

**You are required to bring your writing pencils, ruler, coloured pencils and an exercise book to this program.**

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## THE PRESENTERS

**Allen Dickson** is a self-confessed word-nerd and teacher. For 20 years he has focused on engaging the learner through making the classroom innovative, practical and enjoyable. Allen runs his own educational consultancy – RethinkPD – where he 'teaches teachers' about a range of specialist issues (literacy, numeracy, thinking curricula, inquiry) both in schools and at educational conferences around the country.

**Maureen Frith** has a Graduate Certificate in Gifted and Talented Education and a strong commitment to gifted education. She is a member of the Science Teachers Association, the Science Talent Search Committee and the Victorian Association for Gifted and Talented Children. Maureen has a passion for Mathematics, Science and Technology. She assists students to be active enquirers, making use of higher order thinking skills to extend and enrich their learning, and encourages them to share their knowledge and appreciation of the universe.

**Rachel Holkner** is a writer with an insatiable streak of curiosity. She has a Bachelor of Media Arts and a Graduate Diploma in Professional Writing, specialising in children's literature. By use of a wild imagination, Rachel is keen to encourage others to look at the world in new ways.

**Jackie Moss** has spent much of her life drawing, designing, sculpting, gluing, and creating. She recently completed a Diploma of Visual Art majoring in oil painting and has also recently self-published a children's book. For many years, Jackie has both supervised and presented a variety of creative workshops for G.A.T.E. WAYS. She loves to inspire creative pursuits in others, especially children – and keep them away from their screens!

**Tracey Kaufman** is a passionate primary teacher and loves engaging students in all forms of technology. Being awarded an overseas study grant by the Methodist Ladies' College Parents Association was a career highlight. She presented at the International Conference of Thinking in the UK. Currently she is enjoying her mini ipad, and kobo e-reader. She also spends her time finding all the pieces to the household electronics that her two primary aged sons regularly disassemble.

**Melanie Gillies** has taught for many years in the primary classroom, and has been presenting G.A.T.E.WAYS programs since 2010. Technology is a keen interest of hers, and she enjoys immersing her students in challenges that encourage logical and creative problem solving, to think "*outside the square*" and consider all options. Melanie has completed thorough research into designing curriculum for gifted and talented children. Her friendly approach and humorous workshops are always practical, hands-on, interactive and fun!