

## Festival of Workshops | Years 1 and 2

**Venue:** Canberra Girls' Grammar – Junior School, 48 Melbourne Avenue, Deakin

**New Date:** Friday, 24 September

**Time:** 9.30 am to 3.15 pm (registration 8.45 – 9.15am)

**Fee:** \$120

PROGRAM	Friday 24 September
1	AM: Whatever Happened to Humpty Dumpty? (P) PM: Mystery at the Museum (A)
2	AM: It's a Monster Mash (T) PM: Meet Robbie the Friendly Robot (T)
3	AM: Team Taronga (M) PM: Bones, Bones, Bones! (S)
4	AM: Indiana Jones and the Grizzly Garden (S) PM: Nursery Crimes (M)

(A) Arts: Creative or Performing (L) Language (S) Science (T) Technology (M) Maths (P) Problem Solving

### Enrolment Procedure:

- 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

## Year 1 and 2 Festival Workshops

### **WHATEVER HAPPENED TO HUMPTY DUMPTY? With Ken Fraser**

We all know Humpty Dumpty had a great fall but along comes his brother, Joe Dumpty, a detective, to find out what really happened. Did he fall, or was he pushed? The complicated tale is also loaded with wordplays (puns.) In other words, a scrambled mess. Eggs-actly. But this case isn't all it's cracked up to be. Suspects are aplenty. Was it Little Miss Muffet? There's something not right about her tuffet. Or could it have been Chicken Little, who's always been a little cagey? In this workshop we will look at some other very short mystery stories and discover what makes them both clever and funny. Be prepared to follow in the footsteps of Sherlock Holmes and use your powers of observation and deduction. We'll have fun role-playing the characters from the main story and then creating our own version. What do you think Joe Dumpty's next case might be?

### **MYSTERY AT THE MUSEUM with Emily Taylor**

Frauline Frankenfurter has been curator of Le Grande Museum for twenty years. During that time, not one single thing has ever gone wrong. That is, of course, until now... The museum's prize possession is missing! Join Frauline Frankenfurter and her staff of experts as we go undercover on an international mission to find the thief, retrieve the missing object, and bring it back unharmed. Deploying acting skills such as movement, voice and teamwork, you'll need all your wits about you to avoid detection and to bring the guilty party to justice.

### **MEET ROBBIE THE FRIENDLY ROBOT with Carla Maxwell**

Scientists and engineers have long been excited by the exploration of remote places and the making of new discoveries. To aid in this pursuit, they have designed spacecraft, rovers, satellites, and robots to help them collect data about new places. They have succeeded many times but have failed many times as well. Remember that failure is a chance to learn more. In this workshop, you will design and build a friendly robot that will wave to anyone who would like to meet them. When the motion sensor on its head detects movement, this droid runs the program that sets his hand in motion. As we work, we will explore the development of humanoid robots, artificial intelligence and the advantages of using it

### **TEAM TARONGA with Kate Parker**

Imagine having the opportunity to design a brand-new zoo! The board of Taronga Zoo is setting up a new location for rural New South Wales and they need our help! Zooville will be twenty thousand square metres of animal wonder. First though, using our mathematical (and particularly geometry) skills we'll need to decide how many and which animals we can fit on the site and how big their enclosures will need to be. We'll have to consider what each animal needs in terms of space and habitat. Which animal can fit where and does the popularity of some animals mean they should be strategically placed? Should we put lions next to zebras or kangaroos? Will we set up herbivore and carnivore routes to make the job for our animal handlers easier? And zoos aren't JUST about the animal enclosures - you'll also oversee the placement of walkways, special exhibits, rest areas and food kiosks. Putting it altogether, we'll draw up blueprints and even make a small model of one chosen enclosure to present to our Taronga head office

### **BONES, BONES, BONES with Tim Byrne**

Did you know that you have around 206 bones in your body? In today's workshop we are going to answer lots of questions about these amazing body parts! Are bones really hollow? What are our biggest, strongest and smallest bones? How do bones help us hear, make blood cells and keep our memory working? Did you know that you can bend a bone without breaking it? Are most of our bones, in our hands and feet or in our back? Without bones we would certainly be very floppy indeed. Aside from answering all these questions, we'll take a close up look at what's inside a bone and even how a bone can become a fossil.

### **INDIANA JONES AND THE GRIZZLY GARDEN with Jesse Chambers**

By day he's your garden-variety biologist. By night, Indiana James searches for the Grizzly Garden, where animals aren't the only carnivorous creatures and a plant's appetite is only limited by the size of its... teeth! Have you wondered why flytraps don't close in the rain, or why coloured frogs don't get eaten? Then join Indi as he uncovers the grizzlier side of biology on his mission to the Grizzly Garden. On our journey we will engage in *hands-on* activities...but look out. This is biology with BITE! **Please bring an empty 600ml plastic bottle with lid.**

### **NURSERY CRIMES with Allen Dickson**

Mathematically things just don't add up in the land of Fairy Tales. You are a member of the Nursery Crimes Task Force. You will have to use your mathematical powers of deduction to sort fairy tale facts from fairly stale fiction. The Big Bad Wolf is saying he was framed by Little Red, so we will need to investigate palindromic numbers. Jack is twisting the numbers about his bean stalk, so we will have to climb the heights of positive and negative numbers. And there are multiple Cinderella impersonators vying to be the prince's number one, so we will have to delve into foot-to-height ratios. You've heard of CSI? Well this is RSI... Rhyme Scene Investigations.

### **IT'S A MONSTER MASH with Jacob Pini**

Do you find monsters scary? What if you could create your own monster that moved on your command - would they still be scary? In this workshop, we will design our very own animated creature and create a remote control for its head using the power of air or water. The focus of this workshop is pneumatics and hydraulics, concepts used in many simple machines. Once you have understood the science behind your automated creature, who knows what you could create.

**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)**

