

GATEWAYS FESTIVALS

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

Year Kinder, 1 and 2 children to a 'FESTIVAL OF WORKSHOPS'

at Canberra Grammar School, Alexander Street, Red Hill

MONDAY 1 JULY AND TUESDAY 2 JULY, 2019

PROGRAM	Year 1 and 2 Monday 1 July	Year 1 and 2 Tuesday 2 July
1	AM: Amazing Amoebas, Brilliant Bacteria... (S) PM: Tim's Top Ten Spinning Toys (S) (T)	AM: Amazing Amoebas, Brilliant Bacteria... (S) PM: Tim's Top Ten Spinning Toys (S) (T)
2	AM: Candy Crush (S) PM: Danger, Danger (T)	AM: Candy Crush (S) PM: Danger, Danger (T)
3	AM: The Great Slime Disaster (S) PM: Meet Robbie the Friendly Robot (T)	AM: Meet Robbie the Friendly Robot (T) PM: Emmet's Awesome Element Adventure (S)
4	AM: Rock On (S) PM: The Mysterious Disappearance of Ewando.. (S)	AM: The Mysterious Disappearance of Ewando.. (S) PM: I'm A Weather Wizard (S)
5	AM: Cream Cakes and Maggot Pies – Let's Write.. (L) PM: It's a Monster Support Group! (A)	AM: Cream Cakes and Maggot Pies – Let's Write.. (L) PM: It's a Monster Support Group! (A)

PROGRAM	Kinder Monday 1 July	Kinder Tuesday 2 July
1	AM: Splish, Splosh, Splash (S) PM: Fizz, Crackle, Pop!! (S)	AM: Awesome Alien Adventures (P) (L) (A) PM: Let's Dance! (T)

(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, 13 May

- Go the G.A.T.E.WAYS website 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

9.15am – 3.00pm (registration from 8.30)

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.

YEAR 1 AND 2

AMAZING AMOEBAS, BRILLIANT BACTERIA AND PERFECT PROTOZOA with Bobbie O'Brien

Your body is made up of approximately 10 trillion cells. But what if you were just one cell? How would you move? How would you eat? How would you 'talk' to other cells? Join this workshop to enter the incredible world of single-celled organisms! Learn all about the different classes of single-celled organisms and how they survive, move, eat, communicate, divide and thrive. You'll even construct your own single-celled alter ego to take home! **Bring writing and colouring materials to this workshop, as well as a small box to carry your organism home.**

TIM'S TOP TEN SPINNING TOPS with Tim Byrne

Spinning tops have mesmerised children for millennia. Modern science can now explain why spinning objects create such amazing effects. In this workshop we'll take a careful look at some of the best and have a go at making some of the more interesting. Along the way we'll learn how a body becomes more stable when it spins. We'll investigate inertia and momentum and learn how a gyroscope guides ships and airplanes. We'll make spinning optical illusions, tops that stop and reverse, tops that can draw patterns and even fighting tops. We'll finish with a yo-yo, first invented by the ancient Greeks 2500 years ago. You will be encouraged to modify and experiment your creations to improve their performance. **Bring a cheap teaspoon (it will be bent/destroyed), an avocado pip and an old CD.**

CANDY CRUSH with Angela Fattore

Are you ready for a sugar rush? Because this will definitely come with candy! Sugar was first known as 'sweet salt' and only kings and queens could afford to eat it. We now know that sugar is a molecule called sucrose made up of just three elements. Let's have some fun as we investigate the difference between physical and chemical properties and extend our understanding of the chemistry of sugar. We will hypothesise, observe, test and explain to further our scientific knowledge and appreciation of this humble carbohydrate. Get ready to extend your understanding of science because this workshop is going to be 'sweet'! Lollies will be used when conducting experiments, however they will NOT be consumed.

DANGER ! DANGER! with Kevin Taylor

Wild weather events such as floods, droughts, fires, earthquakes and hurricanes are increasing. Existing Early Warning Systems (EWS) are not sophisticated or reliable enough to cope with the demand and are often so expensive and bulky that they cannot be used in all disaster areas. You have been selected to be part of a research team and tasked with the responsibility of developing a cutting edge EWS Robot to protect humans from future disasters. Your team must design and construct a robot that can communicate with a humans' five senses, alerting them of potential dangers. The robot must be portable, compact, and have a protective covering that can withstand all conditions and dangerous situations. Are you ready for this exciting challenge? We are depending on it!

THE GREAT SLIME DISASTER with Alison Brennan

Mr Sylvester owns a small, but quite famous factory that makes a variety of interesting products. However, it is most famous for making 'Sylvester's World-Famous Slime'. Sylvester's slime is quite frankly the best slime of all time. Unfortunately, something has gone wrong during production. The slime is not coming off the production line, with the correct consistency. What a disaster! What can Mr Sylvester do? Join us on an exciting adventure as we see if we can save his reputation. In this exciting hands-on program with lots of experiments and demonstrations, we will learn about atoms, compounds, monomers, polymers and exothermic / endothermic chemical reactions. We'll experiment with slime, bath bombs, chemical worms and more! Put simply we'll have lots of messy, scientific fun. **Please bring an old shirt or t-shirt as we might get messy!**

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.

ROCK ON! with Ruth Evans

Rocks rock! When you crack them open, they sometimes reveal dazzling crystals or ancient fossils. You might even discover a dinosaur skeleton! What is petrified wood? Is it just very, very scared? You will be amazed to learn how different types of rocks are formed. Some rocks are asteroids fallen from space. Some rocks are living things that have been turned to stone, just like the statues in Narnia. Others are exploded out of a volcano! Did you know that some rocks glow in the dark, and some can either cure, or even cause, cancer? Today we'll use a magnifying glass to investigate and measure different rocks. We will also use a magnet to discover whether breakfast cereal really contains iron and make a model of a drilling sample. Don't forget to bring your problem-solving skills!

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.**

CREAM CAKES AND MAGGOT PIES with Rachel Holkner

Pack the picnic basket, watch out for poisoned apples, has anyone seen my drink bottle? Let's write about food! Menus, kitchen disasters, gingerbread cottages, snacks, desserts, foods that talk back! There is so much to say about the one thing that all humans have in common – eating. Using food as a jumping off point we will be exploring different styles of writing and the different ways we can affect our audience; how can we get them to taste what we are imagining, whether it's a cream cake or a maggot? You might have heard of James's Giant Peach, the Magic Pudding, or seen a rat make spaghetti, but have you ever eaten a fried worm? From favourite foods to foul potions, fairy tales to funny songs, we'll cook up a storm of words and rhyme. (Bags not doing the dishes.)

EMMET'S AWESOME ELEMENT ADVENTURE with Meg Pini

Oh no! The Systar System's evil forces have kidnapped Batman, Lucy Benny, and Unikitty from Bricksburg and are holding them captive in a secret location in the LEGO universe. Emmet Brickowski is desperate to rescue his friends, but first he needs to determine where they've been taken by analysing four clues found in the bag dropped at the site of the kidnapping. During his initial investigations Emmet concludes that the clues provide information which may help him find them, but he lacks the scientific skills to make any more sense of them. Emmet needs the support of a crack team of scientific investigators – and that's where you come in! In this workshop you will learn about atomic and subatomic physics in order to identify different chemical elements. Can you help Emmet interpret the clues and rescue his beloved friends or will they remain in the clutches of Queen Watevra Wa'Nabi... forever?

IT'S A MONSTER SUPPORT GROUP! with Suzie Thomas

You monsters get a pretty bad rap in stories. You're constantly described as ugly, you have to eat disgusting things, and in the end, the good guys usually beat you. Ogres, we know you can't help being smelly. Dementors, it's not your fault that the temperature drops twenty degrees whenever you're around. And as for you Jabberwock – people don't even bother to use real words when they're telling your story! We, at the Monster Support Network know that all this bad publicity is starting to take its toll on you; the Monster community, and we'd like to help. We invite you to come along to our support group to share your story and enjoy spending time in a place where monsters are appreciated for who they are. We'll help you develop your scaring skills through fun drama games and activities, and we'll finally give you, the monsters, a chance to have the final say. **Please wear comfortable clothes that allow you to move freely.**

I'M A WEATHER WIZARD with Allen Dickson

Ever heard of a dry spell, a wet spell or a spell of unpredictable weather? Although these aren't the regular spells that a wizard might make, there is a certain mystifying magic about meteorology. Using bubbles, we'll look at light and make rainbows, we'll handle hail, see what's hot in temperature and maybe even make a mini cyclone. Before you know it, you'll be a weather wizard with more front than a low-pressure system.

GATEWAYS

25

years of
inspiration
and challenge

KINDER:

SPLISH, SPLOSH, SPLASH with Joy Garratt

The Gingerbread Man is on the run, skilfully evading his pursuers. But does he know that he is running straight into a trap? The cunning fox is waiting at the river and has a watertight plan to capture that crafty Gingerbread Man. So, Kinder students to the rescue! The Gingerbread Man needs a boat that will successfully carry him across the river so that his arms and legs stay nice and crisp. Students will explore many of the amazing properties of water and have the chance to make predictions, experiment, observe, and draw conclusions based on evidence. Let's help the Gingerbread Man safely cross the river! **Bring a blank A4 notebook.**

FIZZ, CRACKLE, POP with Allen Dickson

Bernie Bunsen is having a birthday party and he's invited all the famous Scientists – Albert Einstein, Isaac Newton, Marie Curie... and even you! You'll join with them in celebrating a birthday party with a Chemistry twist. From popping sherbet and kooky chemical reactions, to a periodic 'pass the parcel' and pin the Nobel Prize on the scientist... Bernie is sure to have a party packed with Fluorine, Uranium and Nitrogen – F U N! **Please note that this program involves some party foods and may be unsuitable for children with food allergies.**

AWESOME ALIEN ADVENTURES with Ruth Evans

Congratulations! You have been chosen to go on an intergalactic space adventure, exploring the outer realms of our universe. But there is so much to do and so many decisions to make! What provisions and equipment will you take? You need to design a rock-sampling moon buggy. What will you have to consider when deciding on the design? How will you train for the expedition and what will it be like living inside the spaceship (how will the rocket's toilet work?) Not only that, but you'll need to prepare for anything that could go wrong - for example, what could we do if the rocket's fuel pump fails? Can you come up with some ingenious ideas to save the day? What will you do if you meet an alien? We'll have fun making a puppet alien and creating a short play involving these colourful characters. **Bring texts and anything you would like to use to create your puppet, such as sticky tape, pipe cleaners, interesting fabric samples and glue.**

LET'S DANCE!! with Carla 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!

**Our Festival presenters are a brilliant bunch! To learn more about them, head to
www.gateways.edu.au/programs/festivals/mid-year-festivals**

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