

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

PREP CHILDREN TO A 'FESTIVAL OF WORKSHOPS'

at Firbank Girls' Grammar School, Middle Crescent, Brighton

Monday 21 June and Tuesday 22 June

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

PROG	Monday 21 June 2021	PROG	Tuesday 22 June 2021
1	AM: Calling all Balloonologists (S) PM: Monkey Brothers Misbehave (T)	1	AM: Maths Monster Mayhem (M) PM: The Case of the Stolen Dinosaur Eggs (S)

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

Children attend for the full day – there is no half day enrolment. The fee is \$110 per day.

Enrolments open Monday, 10 May

Enrolment Procedure:

1. 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'.
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

Please bring a notebook and a well-stocked pencil case with a grey lead pencil, coloured pencils/textas, a capsule sharpener, ruler, scissors and glue. Also bring along any additional materials listed for your program.

CALLING ALL BALLOONOLOGISTS with Emma Carter

POP went the balloon! WHOOSH went the gas! WOW shouted the Balloonologists! In this workshop we will be immersed in the exciting world of science as we participate in all sorts of experiments where the main piece of science equipment will be the humble balloon! We discover that the unthinkable may actually be a possibility. Can we puncture a balloon without it popping, or can we blow up a balloon using a bottle? We will explore gases, air pressure, carbon dioxide, static electricity, molecules and chemical reactions. One thing's for certain - this workshop will involve lots of fun, new ideas, action and prediction. Most importantly, it will involve lots of balloons- but hopefully not too many POPs or BANGs!

Please note that this workshop is not suitable for children with a latex allergy. Bring an old, scratched CD if you have one and the lid of a pop- top bottle.

MONKEY BROTHERS MISBEHAVE with Mark Maxwell

The director of the zoo is tearing his hair out. Two of the zoo's most popular animals, the monkey brothers, Akira and Zuba, have been behaving very badly! Any time a member of the public ventures near their enclosure, they are attacked by flying food launched by the mischievous monkeys! The vet has decided that the animals are bored and has come up with a plan to improve their wellbeing by creating a mini robotic monkey to give them some training in manners and to entertain them. Using a Lego motor and gears, you will construct a monkey playmate that uses both arms and legs to walk. You will make a 'magic banana' that has a sensor inside and you will learn to write a program that makes the monkey react when it detects movement. Join us for some serious monkey business!

MATHS MONSTER MAYHEM with Allen Dickson

Eek! The maths monsters are lurking everywhere! There's a 'More-Or-Less Monster' hiding in your lunchbox, a 'Multiplication Monster' in the bin, a 'Plus-n-Minus Monster' under the mat and a 'Measurement Monster' behind the sticky tape dispenser. As fearless maths monster hunters, our first job is to trap the monster, discover what that monster means... and then feed the monster its mathematical meal. Can we 'count' on you to 'round up' every maths monster?!

THE CASE OF THE STOLEN DINOSAUR EGGS with Liam Mackay

Famous palaeontologist – Professor Bronte Saurus – has recently discovered a nest of dinosaur eggs snap frozen in the icy Kelvinator Mountains. Recent advances in science mean that potentially these eggs can be thawed and hatched – giving us a nest full of 'who-knows-whatasaurii'. But on the day before they are to be thawed, Professor Saurus discovers that the precious eggs have been stolen! It is up to you – as an archaeological detective – to discover who stole the eggs... and then figure out how to reveal their hidden Triassic treasure! ***There is a \$3 materials levy for this program.***

MEET OUR PRESENTERS

Allen Dickson is an educator with a passion for ensuring learning is innovative, practical and enjoyable. For nearly twenty years he has specialised in the fields of Drama, English and Maths, and uses his diverse range of unique skills to initiate change in classroom practice. Allen runs his own educational consultancy, RethinkPD.

Emma Carter has Bachelors' Degrees in Science and Engineering, with majors in Physics and Electrical Engineering from the University of Melbourne. She has taught secondary school maths, science and physics and worked at Scienceworks. She has also worked as an outreach education officer for the Discovery Science and Technology Museum and enjoys presenting science and mathematics workshops with G.A.T.E.WAYS.

Mark Maxwell is an artist, technician, builder and workshop presenter who has a giant studio to work his ideas. His practice encompasses sculptural marques, woodwork, animation, set design and lighting. When creating miniature models, he explores engineering principles and tries to design projects that promote open ended creativity. His creative process involves constructing working models from scratch and using technology to program basic function

For **Liam Mackay**, teaching is all about cultivating relationships, in particular the relationships his students have with the content of their learning. Whether in his tertiary studies or in the classroom, he loves seeing students connect Science and Maths with a story or characters. Those 'Ah-ha' content moments become more deeply embedded when his students discover them in a narrative context. Liam is currently the recipient of a much-sought after education internship at Belgrave Heights Christian School where he is learning more about the practice and theory of SBL (Story-Based Learning).

