

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

Year 5, 6 and 7 children to a 'Festival of Workshops'

hosted by Canberra Girls' Grammar, 48 Melbourne Avenue, Deakin

MONDAY 28 JUNE AND TUESDAY 29 JUNE, 2021

9.30 am to 3.15 pm (registration 8.45 – 9.15am)

PROGRAM	Monday 28 June	Tuesday 29 June
1	Dakar or Bust! (T) (M)	Flying to the Rescue (T) (M)
2	Mission Impossible (L)	The Magic of Miss Peregrine and the Peculiarities of Ransom Riggs (L)
3	Magic 8 Ball, Is There a Python in My Future? (T)	Amazing Mazes (T)

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

Please choose one program only per day

The fee is \$120 per day.

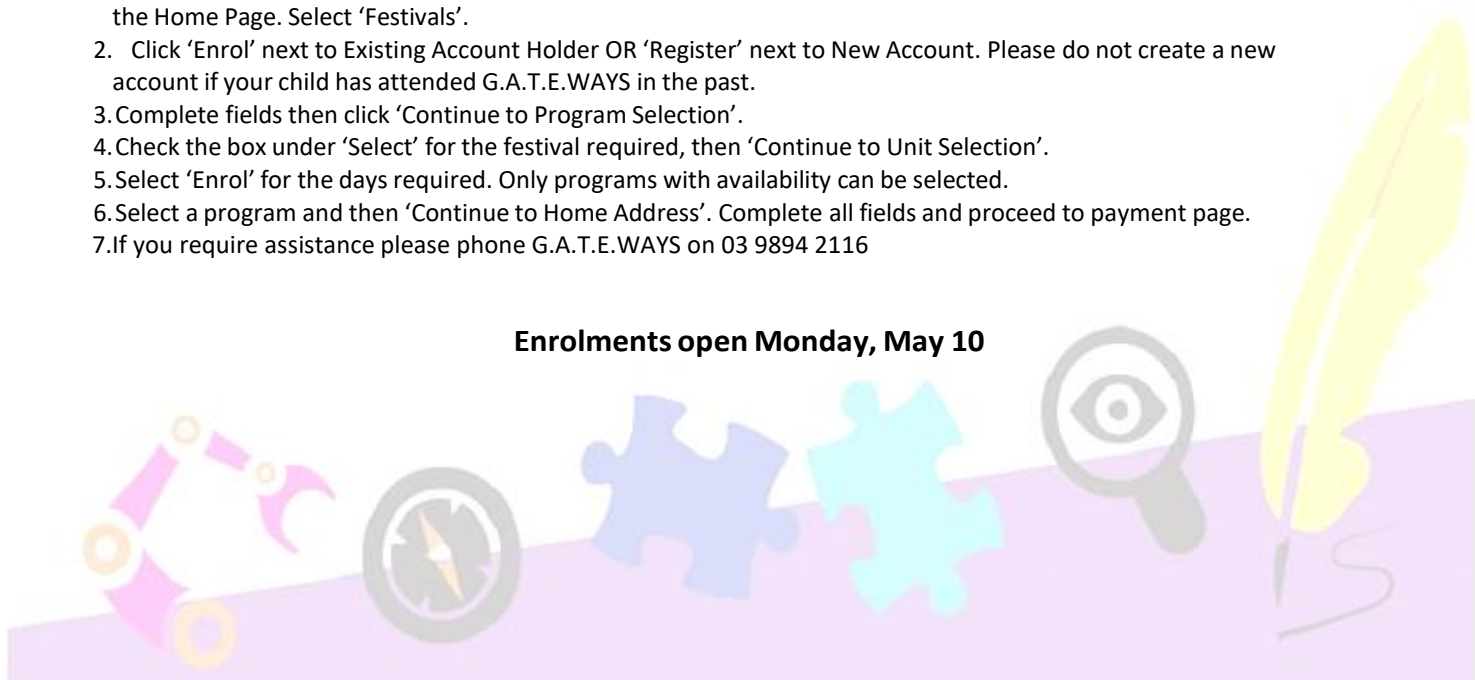
Please bring a notebook and a well-stocked pencil case with a grey lead pencil, coloured pencils, a capsule sharpener, ruler, bright textas, scissors and glue.

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 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, May 10



Year 5 and 6 Festival Workshops

DAKAR OR BUST! with Katrina Sims

The organisers of the Dakar Rally, held every year across Saudi Arabia, have decided to include a new a small zippy vehicle event. The Zappy Car manufacturing company have called for tenders to produce a motorised Lego prototype, and being one of several groups of adventurous teams of car engineers you have decided to enter. However, before you can even start building your model there are several experiments you are going to have to undertake. These include trialling different gear and cog ratios and discovering the torque, or force of vehicles. Using Lego motors and technic parts come along and join this fascinating, exciting competition along with other members of your team.

MISSION IMPOSSIBLE with Anna Jahjah

At the end of WWII, the British secret services came up with a clever idea to send the German army down the wrong track. A young English man who had just died was disguised as a British pilot and left in the water, not far from the Spanish shores. A suitcase was attached around his wrist with a wire. It was full of documents, including secret information about a fake landing supposedly happening in Sicily, but also personal letters and pictures to make the whole story look real to the Germans. When the body was found in Spain, the Germans heard about it, believed the whole story and went to the wrong place! If you've always dreamt of being a spy, if James Bond is one of your personal heroes, this workshop is for you! Your mission: to imagine that you are a British spy with the task of creating all the documents to make the story of the fake British pilot believable. You will have to create fake pictures, letters to family and friends, fake maps of Sicily and real secret codes. But wait! There's more to come! After exploring a few other creative (and real!) ideas (a life-size Paris made of cardboard, for example), you will be given one last mission: come up with your very own creative spy idea to trick the enemy... No time to waste though. This message will self-destruct in 5, 4, 3, 2...

MAGIC 8 BALL, IS THERE A PYTHON IN MY FUTURE? with Emma Lord

Wouldn't it be great to have a way to tell what your future holds? Fortunately, this workshop will teach you how to create just such a program - meet the digital Magic 8 Ball! Once you've mastered how to recognise and replicate patterns in the text-based coding language Python, input instructions for the program to follow and been introduced to the necessary basic logarithms, you'll build a digitised version of that old favourite, the Magic 8 Ball. Use it to astound your family and friends by being able to predict their destiny! **Bring a fully charged laptop** (Laptops will be provided to student who are unable to bring their own)

Please note that this program will be using Trinket software. It is free however you will need to login with a Google account. Create an account at home <https://trinket.io/>.

FLYING TO THE RESCUE with Katrina Sims

After several spot fires in your surrounding native bush, the local voluntary native animal rescue organisation needs to use their specially equipped drone to search for animals injured in the fires. As assistant volunteers, your team's task is to write the directions to be programmed into the organisation's drone, enabling it to fly at the right height and route in its search. You have been given a map of the area showing the ground burnt by the fires and close-up photos of the trees at different heights to assist with your plans. Applying trigonometry and coordinate geometry, your team will use this information to calculate the route for the drone. In true G.A.T.E.WAYS style though, there will be the occasional red herring to try and block your path! This workshop will end with each team demonstrating their path programmed into a robot.

THE MAGIC OF MISS PEREGRINE AND THE PECULIARITIES OF RANSOME RIGGS with Anna Jahjah

Welcome to the dark and fantastic world of world-renowned author Ransom Riggs! His characters have the ability to become invisible, float like a balloon and resurrect the dead. Best of all – or perhaps worst? – they can never grow old. But did you know the author was inspired to create his magical characters after collecting peculiar pictures from the 19th century? Follow our young hero, Jacob, on his magical steampunk adventure as he meets with his new friends and discovers everything about time loops, hollowgasts and his own peculiarity. Along the way, we will get inspiration from vintage portraits (and shoot our own!) to create unique characters, write our very own fantastic steampunk story and, who knows, maybe even inspire the dramatisation of a scene or two. Tim Burtons of tomorrow, this is the

workshop for you! **Before the workshop it is recommended students read *Miss Peregrine's Home For Peculiar Children* by Ransom Riggs.**

MAZE ESCAPE!

The word maze comes from the Middle English word meaning “delirium” or “delusion.” For thousands of years, humans have been fascinated by mazes and labyrinths: we've built them, told stories about them, created games and puzzles around them, and even trained animals to solve them. Mazes come with a slight edge of fear – they confound and disorient us with their complex choices and false leads. In 2011, a family in Massachusetts actually became so lost and scared they phoned 911 from within a corn maze. They were ultimately saved, apparently having been found very close to a nearby street. Today it is your turn to become a maze expert. Your challenge is to design and build a maze and then create a program which will equip a robotic visitor to problem solve sufficiently to escape to freedom. Are you up to the challenge? It will be an a-MAZE-ing experience! **Bring a fully charged tablet with the Sphero Edu App downloaded. Note: laptops or phones are unsuitable for this program.**

Our Festival presenters are a brilliant bunch! To learn more about them, head to

www.gateways.edu.au/programs/festivals/mid-year-festivals



GATEWAYS

25

years of
inspiration
and challenge

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