

Festival of Workshops | Years 5, 6 and 7

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

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

PROGRAM	Friday 24 September
1	Flying to the Resuce Ⓣ Ⓜ
2	Mission Impossible Ⓘ
3	Magic 8 Ball, Is There a Python in My Future? Ⓣ

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



Year 5, 6 and 7 Festival Workshops

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.

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 Meg Pini

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/>.

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

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