



GATEWAYS
THE CHALLENGE

2019

Years 3 and 4
Teacher Handbook

GATEWAYS THE CHALLENGE



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GATEWAYS THE CHALLENGE

What is the G.A.T.E.WAYS Challenge?

- The G.A.T.E.WAYS Challenge is a team event for primary school students. Each team consists of four students and competes at one venue only.
- The G.A.T.E.WAYS Challenge has been stimulating students for 18 years! In 2019, it will run across 10 venues in Melbourne, Canberra, Sydney and Brisbane. The Challenge Final is held in Melbourne.
- The Challenge is designed to extend children's leadership and problem-solving abilities through a series of original, creative and exciting activities in four areas of curriculum.

The Challenge objectives are to:

- ✓ Provide an opportunity to develop good communication, collaboration and teamwork skills.
- ✓ Provide a platform for students to demonstrate their skills and talents and apply these to a variety of subject areas.
- ✓ Enable students to develop and apply problem-solving skills to real-world or hypothetical problems.
- ✓ Encourage the development of persistence, resilience and grit.
- ✓ Develop risk-analysis skills as students think on their feet, analyse the situation and determine the best course of action within the limited timeframe.

Dates and Venues

MELBOURNE

DATES	YEAR LEVEL	VENUE
Week 1 9.10.19	Years 3 and 4	Apollo Parkways Primary Greensborough VIC
Week 2 16.10.19	Years 3 and 4	St Monica's Primary Moonee Ponds VIC
Week 4 30.10.19	Years 3 and 4	Tintern Grammar Ringwood East VIC
Week 7 20.11.19	Years 3 and 4	Mountain Gate PS Ferntree Gully VIC
Week 8 27.11.19	Years 3 and 4	Bialik College Hawthorn East VIC
Week 8 28.11.19	Years 3 and 4	St Kevin's School Ormond VIC

SYDNEY

DATES	YEAR LEVEL	VENUE
Week 5 13.11.19	Years 3 and 4	Denistone East Public Eastwood NSW
Week 5 14.11.19	Years 3 and 4	St Catherine's School Waverley NSW

ACT

DATES	YEAR LEVEL	VENUE
Week 4 7.11.19	Years 3 and 4	Canberra Grammar School Red Hill ACT

BRISBANE

DATES	YEAR LEVEL	VENUE
Week 3 23.10.19	Years 3 and 4	Churchie Brisbane QLD

CHALLENGE FINALS—ALL STATES

DATES	YEAR LEVEL	VENUE
Week 9 THURSDAY 5.12.19	Years 3 and 4	Kingswood College Box Hill VIC

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Reserving a Team

Schools can reserve a place for a team so that they don't miss out by completing the steps under 'How to Nominate a Team' on page 5.

Nominating a Team

Schools may nominate a **maximum of four teams**.

All teams must **compete at the same venue**.

Each team consists of **four** students. Teams can be a combination of year levels or single year levels.

Each team member should be assigned the role of Team Leader for one of the four Challenges.

Places are limited to the first 20 teams to register at each venue.

Refer to page 5 for information about 'How to Nominate a Team'.

Fee

The fee for the Challenge is \$103.00 per student in Melbourne, Brisbane, Canberra and \$105 in Sydney.

There is no additional fee charged for the finals.

Challenge Preparation

Upon registering a team, Challenge Preparation activities will be made available.

These activities have been designed to help prepare teams for the Challenge. Teachers are welcome to use these activities for enrichment programs or withdrawal groups.

Preparation activities are designed to be completed with minimal adult assistance (parent or teacher).

G.A.T.E.WAYS recommends that teachers withhold any solutions until teams have completed the activities.

It is very important that **all team members** complete the practice for all four Challenges, not just the one they lead.

Structure of Competition Day

A maximum of **20 teams** compete at each venue.

In the morning, teams will have a 30 minute practice session for each Challenge.

In the afternoon, teams will compete in the four 30 minute Challenges.

Teachers and parents are invited to attend the venue at 2.40pm for the presentation of awards.

Awards

All students who participate will receive a Certificate of Participation and a Challenge badge.

The top three teams of each district heat are awarded a trophy.

The top two teams of each district heat will receive an invitation to the national finals on 5 December, 2019.

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Challenge Finals

The Challenge Finals are held in Melbourne. Please see dates and venues page 3.

The top two teams from each venue receive an invitation to the Challenge Finals.

Upon conclusion of the district heats, a number of wild card entries to the finals are offered to the top scoring teams.

There is no additional enrolment fee for competing in the national finals.

Each team member of the top three teams in the finals receives a medal.

The winning team receives a perpetual trophy to be displayed at their school.

How to Nominate a Team

NOMINATIONS OPEN ON TUESDAY 23 JULY

- STEP 1** Decide on one venue. Check that there is no clash of dates with important school events.
- STEP 2** Go to www.gateways.edu.au. Sign in to your school account. If you do not have a username and password contact G.A.T.E.WAYS on 03 9894 2116 or email jenny@gateways.edu.au
- STEP 3** Click on the **School** tab at the top of the page and select **School Team Program List**
- STEP 4** Click on **Select Venue**. Then click on **Confirm Venue** at the venue of your choice.
- STEP 5** Enter Team Name (this can be edited at any stage) and click on **Add Team**. This will reserve your first team. If you require further teams they may be reserved once student details have been added for the first team. A maximum of four teams is allowed per school per day.
- STEP 6** Complete the *Expression of Interest Form (page 7)* and send to parents. Click [here](#) for electronic version.
- STEP 7** Once you have received completed Expressions of Interest forms, use your username and password to login to the website and enter student details for each team. Click on **Nominate**. Parents will receive an automated email with instructions on how to finalise their enrolment.

Please contact the G.A.T.E.WAYS office if you require any assistance with the nomination process (details page 8).

General Advice for Teams

Each student must be selected to be Team Leader for one of the four Challenges. Students should lead the Challenge that they are most confident with.

Students should decide on a team name. Keep it short or it won't fit on name tags! Eg. *Lysterfield, Lights, Waverley Wizards*.

Teams should meet regularly to prepare for the Challenge and to work on team work skills.

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2019 Challenge Scenarios for Years 3 and 4

'Who-doku!' by Sue Sturges

Focus area: Problem solving/deductive reasoning

Everything is ready at the city's most popular newspaper for the uploading of the morning edition and its distribution throughout countless networks. But wait! Something interesting is happening...

A well-known identity steps from the main picture in the lead article and begins to move from page to page, encouraging identities from other pictures do likewise! Sportspeople, politicians; characters from books and movies, even advertisements! Scientists, artists, historical figures – the variety seems endless. Chattering excitedly, they arrive at the puzzle page and cluster around the Sudoku grid. For each of the nine grid numbers, an identity is chosen as a replacement. The fun has begun – the sudoku is now a **Who-doku!** To shouts of encouragement, the nine characters begin to duplicate themselves across the grid, trying to complete the puzzle! But there's a problem. In twenty-eight minutes, the newspaper will upload. Identities must be back in their pictures and the grid returned to its original state or their mischief will be discovered. The identities stubbornly insist on completing their puzzle! Your assistance is urgently required. Are *you* up for the **Who-doku** challenge?

'Vote ± Woof' by Ang Hewasiribaddana

Focus area: Politics and statistics

Pepi the poodle Prime Minister, member for the Barky Bark electorate and leader of the Lap Dog Party, is retiring after a long career. His canine constituents have benefitted greatly from his time in office. Puppy pre-school attendance rates are up, vet charges are down, and exorbitant fines for chewing shoes have been phased out. Hooray! A general election has been called, so a host of candidates and their parties are on the campaign trail all over the country. You and your team members are high-profile political commentators, and in the lead up to the election it is your job to inform the voters and forecast various candidates' chances of winning. You'll need to pounce on recent opinion polls to identify trends and sniff out previous election statistics to help you with your predictions. You'll have to dig through the different parties' press releases, summing up and comparing their policies for the voters. You'll chew over each party's order of preferences and finally, predict who will come out as top dog when the votes are in. Which party will emerge victorious? Only time will tell!

'Smoke and Mirrors' by Robyne Bowering

Focus area: Science

The National Gallery of Victoria, Australia's largest and most visited art museum, has been loaned a priceless portrait by a private collector. It will take pride of place in the 'Top Ten Treasures' exhibition due to open in a few days' time. The NGV already has cameras and alarms in place and a surveillance firm has been engaged to check in on the exhibition on the hour, around the clock. The show's curator, Ms Beverley Cholmondeley is highly anxious. She knows that the portrait is particularly desirable, and she is in no doubt that it would fetch a huge price on the black market should it be stolen. Preparations for the exhibition preview, to be attended by the glitterati and the media, are coming together nicely... until the museum receives an unexpected phone call! The police have informed the curator that they suspect a heist is about to take place. Your team has been rushed into the museum to design and install one more security feature. A job like this usually takes days but you have only 30 minutes before the preview. Can you secure the portrait and save the day? Good luck!

'Constellation Consternation' by Andrea Blake

Focus area: Myths and writing

The stars are burnt out! Hercules has had it; Lyra longs to leave; Orion's opting out and Scorpio is shooting through. Zeus is faced with a galaxy of revolting Greek gods and goddesses! For ages they've hung out in the heavens but now they're hankering for a holiday - starting tonight! Zeus is desperate. This rebellion could ruin his reputation - after all, he designed the constellations to showcase his mighty power. He placed each with an important purpose, whether to honour service, or to celebrate, immortalise or punish its subject. How foolish will he look if his defiant deities desert the night skies and engulf the earth in a blanket of blackness? He'll certainly be cursed by navigators who rely on the celestial celebrities for guidance. With the deadline fast approaching, Zeus has turned to the Astro-Advice-Agency (AAA) and engaged your expert team. Specialist knowledge of Greek mythology, drawing skills to design constellations and compelling myth-crafting will be vital if you are to convince Zeus to grant the old luminaries leave and let numinous new ones light their place!

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Expression of Interest Form for Parents

Dear Parent,

Congratulations! Your child has been nominated to represent their school in this year's G.A.T.E.WAYS Challenge.

The G.A.T.E.WAYS Challenge is a team event designed to extend children's leadership and problem-solving abilities through a series of original, creative and exciting activities in four areas of curriculum.

The Challenge:

- Provides an opportunity to develop good communication, collaboration and teamwork skills.
- Provides a platform for students to demonstrate their skills and talents and apply these to a variety of subject areas.
- Enables students to develop and apply problem-solving skills to real-world or hypothetical problems.
- Encourages the development of persistence, resilience and grit.
- Develops risk-analysis skills as students think on their feet, analyse the situation and determine the best course of action within the limited timeframe.

If you would like your child to participate please complete the form below and return it to the school as soon as possible. If you do not accept this nomination please inform your school coordinator so that the place can be offered to another student.

Please go to www.gateways.edu.au/programs/challenge and click on the Parent Handbook link for further information.

Teacher to Complete:

VENUE: _____ DATE: _____



Parent to Complete:

Program: The G.A.T.E.WAYS Challenge

Time: 8:30am-3:00pm

Year Levels: 5 and 6

Cost: \$103 (\$105 Sydney only)

Child's name: _____

Year Level: _____

Parent Mobile: _____

Parent's name: _____

Contact email address: _____

Please nominate my child **OR** Please **do not** nominate my child

I understand that this is a **team** event.

I understand that once enrolments are finalised, G.A.T.E.WAYS is **unable to give refunds or credits**.

I understand that once nominated, online payment must be made to confirm my child's place in the program. *Please do this as soon as possible as this is a team event and places are limited to the first 20 teams to register.*

I understand that I will need to arrange transport to and from the venue listed above.

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Contact Details

For Melbourne, Canberra and Brisbane Challenge inquiries:

G.A.T.E.WAYS HEAD OFFICE
(MELBOURNE)

Telephone: 03 9894 2116
Program Coordinator: Stephanie Axon
Program Administration: Jenny Humphrey
Email: jenny@gateways.edu.au
Web: www.gateways.edu.au

For Sydney inquiries:

G.A.T.E.WAYS SYDNEY OFFICE

Telephone: 02 9940 0303
Head of Sydney G.A.T.E.WAYS: Kelly Driver
Email: sydney@gateways.edu.au