



GATEWAYS
THE CHALLENGE

2019

Years 5 and 6
Teacher Handbook

GATEWAYS THE CHALLENGE



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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 10.10.19	Years 5 and 6	Apollo Parkways Primary Greensborough VIC
Week 2 17.10.19	Years 5 and 6	St Monica’s Primary Moonee Ponds VIC
Week 4 31.10.19	Years 5 and 6	Tintern Grammar Ringwood East VIC
Week 7 21.11.19	Years 5 and 6	Mountain Gate PS Ferntree Gully VIC
Week 8 27.11.19	Years 5 and 6	St Kevin’s School Ormond VIC
Week 8 28.11.19	Years 5 and 6	Bialik College Hawthorn East VIC

SYDNEY

DATES	YEAR LEVEL	VENUE
Week 5 13.11.19	Years 5 and 6	Ryde Public School Ryde NSW
Week 5 14.11.19	Years 5 and 6	Waverley College Waverley NSW

ACT

DATES	YEAR LEVEL	VENUE
Week 4 7.11.19	Years 5 and 6	Canberra Grammar School Red Hill ACT

BRISBANE

DATES	YEAR LEVEL	VENUE
Week 3 23.10.19	Years 5 and 6	Somerville House South Brisbane QLD

CHALLENGE FINALS—ALL STATES

DATES	YEAR LEVEL	VENUE
Week 9 THURSDAY 5.12.19	Years 5 and 6	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 *Expression of Interest Form (page 7)* and send to parents. Click [here](#) for an 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 5 and 6

'The Tomb of a Thousand Raiders' by Simon Matheson

Focus area: Science

You are a team of intrepid G.A.T.E.WAYS explorers that have penetrated deep into the heart of the Amazon rainforest seeking fame and fortune. Here you discover an ancient pyramid, site of the *Tomb of a Thousand Raiders* - famed for its fabulous riches, feared for its many lethal traps. Entering the tomb, you make your way safely past a myriad of deadly pitfalls to the central burial chamber. As you gather to stare in wonder at the amazing treasures piled before you, the door slams shut behind, sealing you in. Now, the key to the chamber door, and to your survival lies hidden somewhere within the tomb. Armed only with your wits and your incredible scientific knowledge, you must solve a series of puzzles that will lead you to the key. With only thirty minutes to find a way out before you run out of air, can your team piece together the clues and escape from the tomb?

'The Show Must Go On' by Suzie Thomas

Focus area: Performance and writing

You are the producers of the internationally renowned Burning Flame Theatre Company, and the opening night of your highly anticipated new show has arrived. But disaster has struck! There's been a fire backstage which has destroyed all of the costumes and props as well as short-circuiting the sound system. As if that wasn't bad enough, the entire cast and crew is in hospital suffering from smoke inhalation and the only remaining copy of the script has been singed, so the pivotal last moments of the play are unreadable. You've just realized that you forgot to take out insurance, and in order to avoid bankruptcy the show must open to a packed house in just thirty minutes! All the top theatre critics will be in attendance and you need the performance to be a smash hit! In order to turn tragedy into triumph, your team must find a way to finish the script and convert the half-baked final scene into a theatrical masterpiece. You'll need to make the most of random items from the theatre's storeroom to create versatile props, costumes and a soundscape. And, of course, you must also put on a performance that will bring the audience to their feet!

'The Mystery of the Dead Man's Chest' by Sanjin Dedic`

Focus area: Maths

Your quirky friend Alice Silver is demanding that everyone call her the Pirate Queen! To your surprise she has come into possession of an old chest full of parchment and maps, old wooden dice and little wooden figurines. It turns out that the chest has recently been unearthed at Marshalsea Prison where Alice's great grandfather, the notorious pirate Long John Silver had been imprisoned and then executed. Prison records show that he was obsessed with algebra and dice. To pass the time he created a series of island-shaped grids which appear to indicate the probability of finding treasure at various locations. Alice is convinced that these grids represent actual locations and that the dice are the key to working out where to find the treasure. After searching Google Maps, Alice discovers an island perfectly matching the drawings. Now she's asked you and your friends to join her on a flying visit to this Caribbean Island. The only problem is that you have very limited time and very little equipment to work with, so you won't be able to dig up more than a couple of square meters. Can you use your mathematical knowledge to help unearth a treasure haul that will go down in history?

'Atlantis Rising' by Cameron Semmens

Focus area: Poetry

In one cataclysmic night, the gods sent a battalion of fire and earthquakes so intense that the famed kingdom of Atlantis, a series of concentric islands, sank deep into the ocean, never to be found again. The lush islands with their wealth of precious metals and abundance of rare, exotic wildlife were home to an advanced, utopian society. Very excitingly, Atlantis has re-emerged and the Atlantans are keen to re-establish communication. But they are fussy! They prize intelligence and high culture above all else and they are looking to engage with humans who display advanced emotional, linguistic and interpersonal intelligence not just advanced intellect. For them poetry is the epitome of culture; the ultimate vehicle for expressions of the heart; the purveyor of great wisdom and sophistication. Thus, the Atlantans are demanding that communication begins with poetry. And specifically, they want to be introduced to our cultural icons – those artists and creators who have helped shape our modern world. It is feared that if our response is not good enough, the Atlantans will end contact and return to their watery world. It is imperative that this does not happen! It's your job to open communication, poetically, and ensure continued contact with this amazing civilisation. Good luck!

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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