

Challenge Scenarios

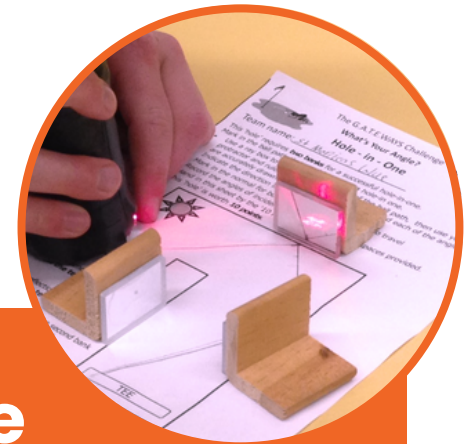
Years 3 and 4 • Years 5 and 6

Challenge Scenarios for 2025

Each team will be presented with four different scenarios. See the following pages for the synopsis.

Important note:

All team members should complete the training activities for all four Challenges, not just the Challenge they will lead.



General advice for teams



Each student must be selected to be 'Team Leader' for one of the four Challenges. Students should lead the Challenge in which they feel most confident.



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 refine their teamwork skills.

Years 3 and 4

Cosmos Galactica: Space Detective: The Case of the Absconding Alien

FOCUS: CREATIVE WRITING
CREATOR: DR. KIM EDWARDS

Universally renowned space detective Cosmos Galactica has another baffling case to solve — and she's hiring you as her new team of interplanetary private eyes! A famous alien pop star has apparently been kidnapped from their dressing room, and the local galaxy police have yet to find a trace of them...

Was it space pirates? The dodgy android manager? An over-excited fan? Can you identify the missing artist, collate the clues, survey the suspects? Can you investigate the crime scene and write a solution this sci-fi mystery... before the crowd of screaming concert fans start an interstellar riot?!

It's only 30 minutes until show time — the galaxy is depending on you!



2025 CHALLENGE SCENARIOS



Genome of Secrets

FOCUS: GENETIC SCIENCE
CREATOR: DR. INDRAMOHAN SINGH

A brilliant scientist has disappeared, along with their world-changing invention! The only clue is a very unusual DNA sample found on a lab notebook in the scientist's office. Security footage has been erased, and suspicion has landed on three colleagues who were the last known individuals near the scene of the disappearance.

Step into the role of forensic investigators and examine the unusual evidence to solve the case. The mysterious DNA sample seems somehow to be "mixed", and it changes everything!

Can you uncover the truth, and track down the missing scientist and their groundbreaking invention before it's lost forever?



Years 3 and 4

Making Alpha's Bites Right

FOCUS: LANGUAGE
CHALLENGER: ANDREA BLAKE

At Xperience Restaurant, chef Betty Alpha is famous for living up to her promise "to serve an A to Z of ingredients for an A to Z of dietary needs making all diners feel like A-listers!" But now, a scathing review has caused bookings to plummet! Influential food critic Mi-Nyu Rater has slammed Betty's menu, especially her "so-called special diet options" and Betty is desperate to restore her reputation. She is in crisis mode and offering "forever-free dining" to the most talented team of linguists who can create a media and menu makeover to prove Xperience has the X-factor! Can you rise to the challenge to get her Xceptional restaurant back on every foodies' must-visit list?



2025 CHALLENGE SCENARIOS

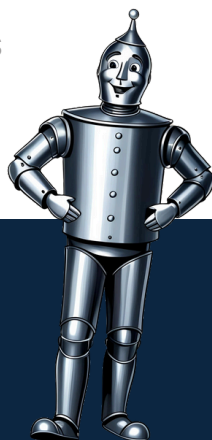
Maths Mysteries for Super Sleuths

FOCUS: MATHEMATICS
CHALLENGER: DR ALISON BROWN

As new recruits to the covert League of Logic (LoL), your team have been assigned the introductory rank of Observers. Sent out on Puzzle Patrol, you unwittingly uncover a series of sneaky number puzzle mysteries. But watch out, these brain teasers are trickier than they look! You and your teammates must strategically complete each challenge, levelling up as you go. Follow the clues using your sharpest math skills and earn promotions from Observer through to Super Sleuth. Beware of twists and turns – there are false leads to throw you off track! You have just 30 minutes to solve each mystery, increase your LoL ranking and become the next Super Sleuths.



Years 5 and 6



Alice's Adventures in... Wanderland?!

FOCUS: CREATIVE WRITING
CHALLENGER: DR. KIM EDWARDS

Alice has been yearning to return to Wonderland, but since the rabbit hole collapsed, it has to be back through the Looking Glass... But one wrong move has made the mirror shatter, splintering the worlds, characters and events of four classic novels into a bewildering array of puzzling pieces.

You will need to reassemble each to complete your extraordinary new adventure! Your team will be taking a wondrous wander through strange lands in this marvellous magical writing-mashup where YOU have to write your own story that must include a surprise random combo of famous features from Alice in Wonderland, Peter Pan, The Wizard of Oz and Treasure Island. These beloved books may be familiar and finished, but what you're about to do with them... now, THAT'S a whole other story!



2025 CHALLENGE SCENARIOS

PHANTOM Protocol

FOCUS: CHEMISTRY
CHALLENGER: DR. INDRAMOHAN SINGH

Mission Briefing — Elite Response Required

- **Location:** ChemCo Orbital Refinery 9, orbiting Titan, Saturn's largest moon.
- **Mission Date:** 14.04.2249 | **Time Remaining:** 00:30:00
- **Situation:** Orbital Refinery 9 life-critical synthesis failure. System collapse imminent.
- **Mission Status:** Critical importance for colonies from Mars to Europa.

Something has gone wrong. Multiple production lines are failing. Temperatures are malfunctioning. Products are being contaminated. System failure is spreading. And worse — there are signs of deliberate sabotage. A secretive corporation, known only as PHANTOM, is believed to have infiltrated OR-9's systems.

You are the emergency response team — elite chemists, engineers, and problem-solvers — flown directly from Earth on short notice. You have 30 minutes before Control Systems lock down. Your Mission; stabilise the reactors, identify the saboteur's interference and restore balance... before it's too late.



Years 5 and 6

Quirkus Gridmeister's Quest

FOCUS: LANGUAGE
CHALLENGER: ANDREA BLAKE

Legendary puzzle master Quirkus Gridmeister made a fortune from his books of mind-bending "quizzles" — where fiendishly fun wordplay meets visual trickery. But before his death, he designed one final challenge: The Quizzler's Quest. His message? Perseverance powers problem-solving — and only the most persistent will procure the prize!

Rumours are swirling that the clues lead to his hidden Will, and that the fortunate finder might inherit his vast wealth! Fans are in a frenzy! In a race where speed and skill matter, your team will need to be the quickest and cleverest quizzlers to conquer this quest.



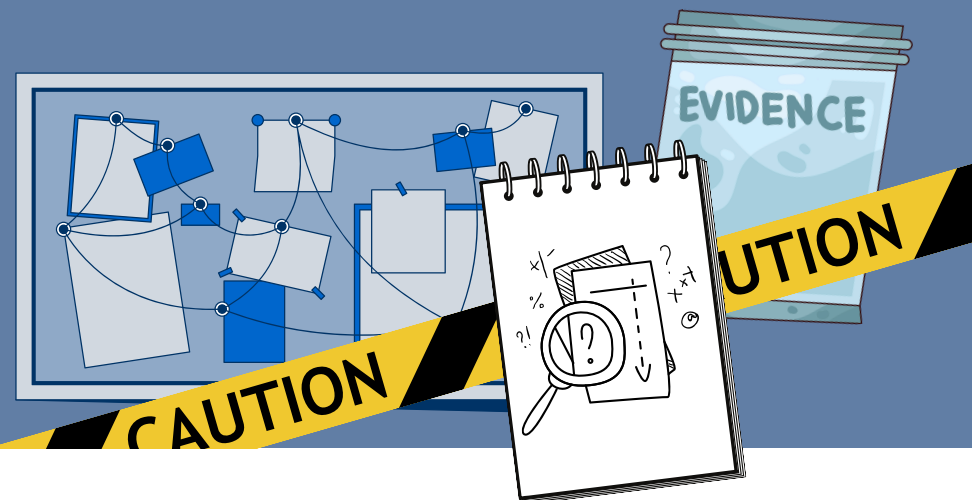
2024 CHALLENGE SCENARIOS

MCSI: Mathematical Crime Scene Investigation

FOCUS: MATHEMATICS
CHALLENGER: DR ALISON BROWN

As elite Mathematical Crime Scene Investigators, you and your team have been assembled to solve a series of unusual and mathematical crimes. Decode the evidence using strategic thinking, teamwork and precision problem solving.

Earn your rank from Officer up to Commissioner by solving each mathematical crime scene before time runs out! But beware: these aren't just ordinary equations or everyday calculations. Hidden twists, deceptive patterns, and red herrings lurk in every calculation!



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