

Queensland Association of Mathematics Teachers Capricornia Branch

3 March, 2025

Dear Principal,

RE: Years 11 & 12 QAMT Maths Teams Challenge

The Capricornia Branch of the QAMT is conducting the **10th Annual Years 11 & 12 Maths Teams Challenge** for students in Essential Mathematics, General Mathematics, and Mathematical Methods.

The Years 11 & 12 challenges are on Wednesday, 7 May, 2025.

All challenges are held at the Glenmore State High School Mike Maher Sports Hall.

Please forward this email to the Maths HOD or Maths Coordinator in your school. It is hoped that schools will start considering team selection as soon as possible, as much of the value of the competition is gained before the students actually compete.

We look forward to your school participating this year.

Please read the accompanying information sheet for more details.

If you have any queries, please contact Melanie Chin (melanie.chin@brisbanegrammar.com).

Respectfully yours,



Melanie Chin
Secretary
QAMT Capricornia Branch

Queensland Association of Mathematics Teachers Capricornia Branch

3 March, 2025

Dear Maths Head of Department,

RE: The 10th Annual Years 11 & 12 Maths Teams Challenge

The Capricornia Branch of the QAMT is again conducting the annual Maths Teams Challenge for students in Years 11 & 12 enrolled in Essential Mathematics, General Mathematics, and Mathematical Methods.

All three **Years 11 & 12** challenges are in the morning on **Wednesday, 7 May, 2025**. All challenges are held at the **Glenmore State High School Mike Maher Sports Hall**.

We are looking forward to your school competing this year.

Schools may enter up to **three** teams in each year level. The registration fee is \$50 per team for all year levels with a \$10 early bird discount if registered by Wednesday, 2 April, 2025. Schools can qualify for a further \$10 discount if they can show they are an Institutional Member of QAMT. No refunds are made for registered teams who do not attend. No additional teams may attend who are not registered.

The final due date for registration is **Thursday, 24 April, 2025**. We would appreciate it if you could meet this deadline as late registrations make it difficult to finalise organisational details.

If you have any queries, please contact Melanie Chin (melanie.chin@brisbanegrammar.com).

Respectfully yours,



Melanie Chin
Secretary
QAMT Capricornia Branch

Queensland Association of Mathematics Teachers Capricornia Branch

10th Annual Years 11 & 12 **MATHS TEAMS CHALLENGE**

AIMS

The students will:

- advance their interest in creative problem solving
- acquire problem solving skills and processes
- develop teamwork skills
- be highly involved in a day of intellectual fun in a scholarly atmosphere.

MATHS TEAMS CHALLENGE FORMAT

The competition will consist of five events:

Individual Event	Each student will individually complete a set of questions in a short amount of time without a calculator. This focuses on using mental maths quickly.
Relay Event	Students from the same school work in pairs and rotate around as they solve questions. There are 20 relay questions & 5 mega team questions to be answered during a 30-minute time period.
Teams Event	Teams will consist of 5 students, each from a different school. The teams will be randomly chosen. Each team will have 30 minutes to answer 12 questions.
Estimation Event	During the teams event, students will be asked an estimation question. Each team will have a few minutes to confer and furnish their best guess.
Shoot-out Event	Students will compete individually until only one student from each year level is left.



MATHSPACE Prize Opportunities

Mathspace is pleased to support the QAMT Capricornia Maths Teams Challenge again in 2025 with extra prize opportunities for participants. More detailed information about this part of the challenge will be available to schools soon.

TEAMS

We are excited to announce that the Years 11 & 12 Challenge will include questions from Essential Mathematics, General Mathematics, and Mathematical Methods. So teams must have 5 students *of mixed year levels* in the appropriate syllabus – Essential Mathematics, General Mathematics, or Mathematical Methods. Schools may send up to **three** teams in each syllabus where *at least two team members* must be in Year 11.

SUPERVISORS

One adult or senior student **MUST** accompany **EACH** team. The adult need not be a teacher but could be a staff member from your school or a parent or guardian accompanying a student. Any senior students wishing to supervise a team should be Year 10 or older. They will assist as a Supervisor in both the Relay and the Teams events.

This person is not required to know any particular mathematical knowledge but needs to be able to follow simple instructions given to them. During the Teams event, the supervisors will also be able to participate individually. Supervisors interested in doing so will need to bring a calculator and a pen or pencil. ***If a team doesn't have a supervisor, the team may be unable to compete in the competition.***

Adult supervisors will be provided light refreshments. Senior student supervisors will need to bring their own.

DATE & TIME

Event : Years 11 & 12 Maths Teams Challenge

Date : Wednesday, 7 May, 2025

Time : 9:00 am to 11:30 am

Please have your teams at the hall 20 minutes before the competition starts.

VENUE

Glenmore State High School

Mike Maher Sports Hall

Farm Street, North Rockhampton

MATERIALS

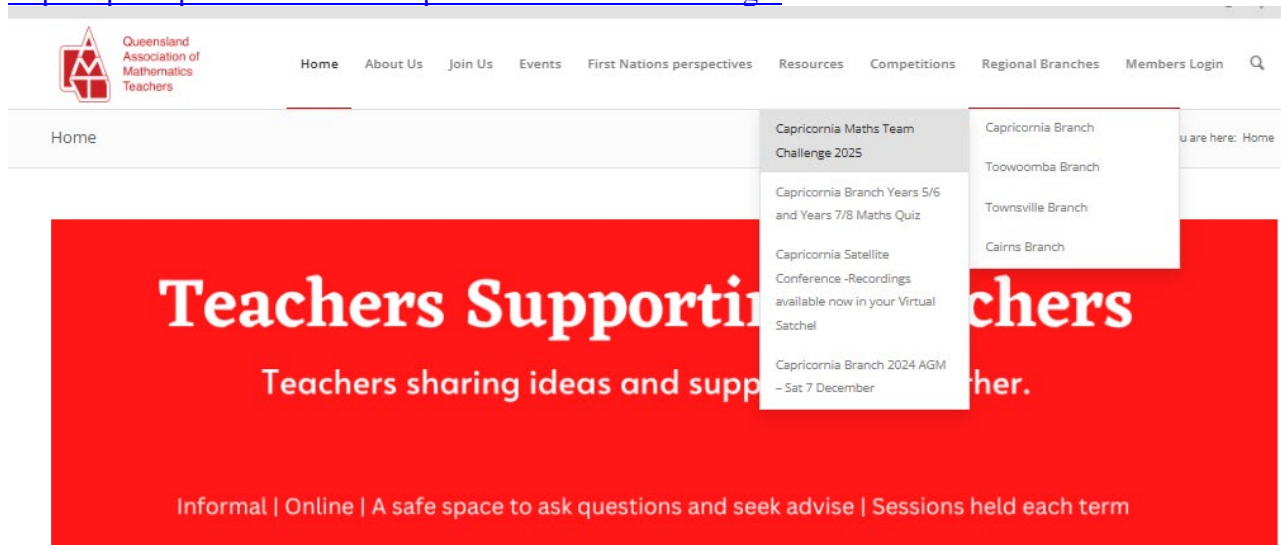
Each student **MUST** bring:

- a calculator of any type
- pens, pencils, eraser, ruler
- morning tea/lunch

EXAMPLE QUESTIONS

One set of past questions for each year levels of competition is available from the Regional Branches of the QAMT website.

<https://qamt.qld.edu.au/rockhampton-maths-team-challenge/>



REGISTRATION

Early bird registration is due by Wednesday, 2 April, 2025. Further registrations due no later than Thursday, 24 April, 2025.

The registration form is a Microsoft Form that can be found here :

https://forms.office.com/Pages/ResponsePage.aspx?id=qmKn4E_3Okewhkzq77cfvdjeRgtgNMpGr7jFShuH2xFUMUYwMFJPVzNKTIpGWk9LNRZV0FUNFVRWS4u

A confirmation of registration reply email with an invoice for payment should be received within 48 hours of submission.

COST

The full registration fee is \$50 per team. Get a \$10 early bird discount if you register by Wednesday, 2 April, 2025 and an additional \$10 discount if your school is an institutional member of QAMT.

Final cost would be \$40 per team (which includes a \$10 discount) if

- you register by the early bird due date but your school is not an institutional member of QAMT
- OR
- your school is an institutional member but you register after the early bird due date

Final cost would be \$30 per team (which includes an additional \$10 discount) if

- you register by the early bird due date AND your school is an institutional member of QAMT

This will be reflected on the invoice issued upon registration.

PAYMENT

Registration fees can be paid using the bank details on the invoice. Please check the invoice carefully when making payment. QAMT Capricornia is different to QAMT Brisbane. There may be two suppliers in your records. ***Payments made to the incorrect account will incur a \$20 processing fee to reconcile the invoice.***

No refunds are made for registered teams who do not attend. No additional teams may attend who are not registered.

TEAM PHOTOGRAPHS

Official photographs of teams will **not** be taken. Schools wanting photographs of their teams should make their own arrangements.

MEDIA CONSENT

In the business of promoting our organisation, the Capricornia Branch of the Queensland Association of Mathematics Teachers may want to use any photographs or images of students taken at our events. Permission is requested to use such photographs or images. Permission is understood to be given unless the QAMT Media Consent Denial Form is completed DENYING such permission. The form is attached to the original email notification to HODs.

RESERVES

Schools are asked to **not** send reserves along on the day because of the difficulties caused by the extra teams needing to be made up involving such students. Each school will be given additional certificates upon request for students who participated in preparations at school but were not selected to attend the challenge on the day.

For further information, contact Melanie Chin.
Email : melanie.chin@brisbanegrammar.com

**Queensland Association of Mathematics Teachers
Capricornia Branch**

BONUS FREE TI SEMINAR



Mathematical Methods

Texas Instruments Graphics Calculator Workshop

QAMT is excited to host Peter Fox with Texas Instruments for a FREE graphics calculator workshop for students and teachers. Students wishing to attend this session do not need to have participated in the Maths Teams Challenge earlier in the day. Teachers wishing to attend this session do not need to have had teams entered into the Maths Teams Challenge.

DATE & TIME

Event : TI Session for Year 11 & 12 Mathematical Methods Students

Date : Wednesday, 7 May, 2025

Time : 1:00 pm to 2:30 pm

Event : TI Session for Teachers

Date : Wednesday, 7 May, 2025

Time : 4:00 pm to 5 pm

Please arrive 20 minutes before the session starts.

VENUE

Glenmore State High School

Mike Maher Sports Hall

Farm Street, North Rockhampton

MATERIALS

Each student MUST bring:

- their TI graphics calculator
- pens, pencils, eraser, ruler

REGISTRATION

Please register your interest using this form. (This form is separate and different to the Maths Teams Challenge registration form.)

https://forms.office.com/Pages/ResponsePage.aspx?id=qmKn4E_3Okewhkzq77cfvdjeRgtgNMpGr7jFShuH2xFUNUg1TFpORllRVkxTUTdLU0s0MIRSWFpBQi4u

The Queensland Association of Mathematics Teachers gratefully acknowledges and thanks the generous support and contributions from the following organisations.



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