



TARNEIT
P-9 COLLEGE

Maths Talent Quest 2020

Are you looking for an additional challenge for your child?

Are you wanting to promote academic creativity within your child's learning ?

Are you looking for an experience that equips your child with various problem solving strategies and enables them to discover the practical applications of mathematics?

The Maths Talent Quest is an excellent opportunity for students to develop their mathematics skills and engage in a rich, real-life investigation. Students will create a project investigating a topic they are interested in and apply a range of mathematical skills to gradually come to a conclusion about their chosen topic.

Why participate in the Maths Talent Quest?

- It promotes an interest in and increases the awareness of mathematics.
- Facilitates the integration of learning outcomes across mathematics and across other curriculum areas within the Victorian Curriculum.
- Develops student research and communication skills.
- Encourages students to verify and justify the results of an investigation.
- Equips students with problem solving strategies.
- Provides students with the opportunity to discover the practical applications of mathematics.
- Supports independent and collaborative learning.
- Creates avenues for extension for the more able students.
- Allows all students to achieve some measure of success.
- Caters for mixed ability teaching and a variety of learning styles and preferences.

Their project and investigation addresses all three Victorian and Australian Curriculum content strands:

- Number and Algebra
- Measurement and Geometry
- Statistics and Probability

As well as ensures students work with the four Victorian and Australian Curriculum proficiency strands:

- Understanding
- Fluency
- Problem Solving
- Reasoning

How does your child get started with the Maths Talent Quest?

1. Students need to fill out the [Google Form](#) to register their intention to enter MTQ 2020.
2. Review previous examples of Maths Talent Quest entries ([Foundation level example](#), [Year 6 example](#), [Year 8 example](#))
3. ***Brainstorm*** a list of topics that they would like to investigate. It is important that they choose a topic that interests them.
4. Once a topic has been chosen, they should think of a big question or idea to investigate.
5. ***Planning:*** What type of information or data will they require to complete their investigation? Make a list of all the types of data and information they will need.
6. ***Investigate:*** They will need to set some goals and smaller questions. Once they have collected enough data and information they can begin their investigation.
7. ***Keep records:*** It is very important that they keep records of their investigation and data. This is a great way to show that the work has been completed by them and provides the MTQ judges with an insight into their thinking.
8. Presenting their Investigation: It is very important that you keep in mind the rubric judging criteria [State Judging Rubric](#) whilst presenting their information. They need to make sure their aim, plan and conclusion is clear.
9. ***How are we going to judge their project?*** All entries will be assessed by teachers at school before being considered for entry into State-wide judgment. Each investigation will be judged using the same rubric which will be provided to all students entering the competition.
10. Click through to the [Maths Talent Quest Website](#) for additional information.

All entries are due by the 24th of July to be assessed by our panel of school-based judges.

If you have any questions or queries please don't hesitate to contact the college.

Kind regards,
Maths team