2019 MATHS TALENT QUEST

PROMOTE MATHEMATICS . CAPTURE IMAGINATIONS . EXPLORE NEW CONCEPTS

FOSTER POSITIVE ATTITUDES . HAVE FUN . RECEIVE RECOGNITION

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<td>Registration Opens</td>
<td>Tuesday 23 April 2019</td>
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<td>Registration Closes</td>
<td>Friday 19 July 2019</td>
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<td>Delivery of entries at La Trobe</td>
<td>Wednesday 21 August 2019</td>
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<td>Judging of MTQ Entries</td>
<td>Thursday 22– Tuesday 27 August 2019</td>
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<td>Display of MTQ Entries</td>
<td>Wednesday 28 August 2019 (morning)</td>
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<td>MTQ Awards Ceremony</td>
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WHAT IS THE MATHS TALENT QUEST?

- The Maths Talent Quest (MTQ) is an annual activity organised by the Student Activities Committee of The MAV, open to all primary and secondary school students.

- The MTQ allows students to look at real life situations through researching a topic of their choice. Students have the opportunity to demonstrate their knowledge and learning in various means.

- The focus of the MTQ is on the process of mathematical investigations and relating mathematics to everyday life.

- The MTQ aims to promote an interest in mathematics and foster positive attitudes amongst students, teachers and parents alike.
WHY INCLUDE THE MTQ?

- Promotes an interest in and increases the awareness of mathematics
- Facilitates the integration of learning outcomes across the mathematics strands and across other curriculum areas within relevant contexts
- Provides students with the opportunity to discover the practical applications of mathematics
- Develops student research and communication skills
- Equips student with various problem solving strategies
WHY INCLUDE THE MTQ? - CONTINUED

- Supports independent and collaborative learning
- Caters for mixed ability teaching and a variety of learning styles
- Caters for student diversity
- Creates avenues of extension for the more able students
- Allows all students to achieve a measure of success
- Fun and creative for all involved
RELEVANCE OF THE VICTORIAN CURRICULUM

- As well as ensures students work with the four proficiency stands:
  
  Understanding, Fluency, Problem Solving and Reasoning

- MTQ Projects and Investigations address all three content stands:
  
  Number & Algebra, Measurement & Geometry, Statistics & Probability
WHO CAN ENTER THE MTQ?

- All students from Prep to Year 12 can enter
- The competition is categorised into year levels from Prep to Year 9, with a combined Year 10-12 level
- Children in Early Year settings are welcome to enter, these entries being categorised at a Prep level
- Entries can be received from Individuals, Groups of up to 6 students and classes
- A maximum of 6 entries per category per level will be accepted
HOW DO WE ENTER THE MTQ?

- Check out The MAV website for further information
- Attend an MTQ PD or contact an MTQ Coordinator for extra assistance
- Have students complete entries using the judging rubric for guidance
- Select which entries from your school you would like to submit
- Registration closes online on **Friday 19 July**.
HINTS TO GET STARTED:

- Discuss the benefits of students entering the MTQ
- Consider contacting other schools involved in past MTQ years
- Discuss the MTQ process with other interested teachers
- Consider including the MTQ into the Mathematics Curriculum
- Appoint an MTQ Coordinator for your school
- Recruit staff to assist with school and state judging. This can count towards their Professional Learning and provide them with ideas for future classroom activities
HINTS TO GET STARTED - CONTINUED

- Start working with your students early
- Give students ideas and inspiration
- Have a brainstorming session: What are their personal interests and hobbies? What topics do they enjoy?
- Consider current National or Global Issues
- Go on excursions and camps for inspiration and research
- Visit the local community for further ideas
ENTRY FORMATS:

Entries can be submitted in the following ways:

- Creative Writing
- A Booklet
- A Poster
- A Computer Program or Website
- Video, Audio or Multimedia Presentation
INVESTIGATION - INCLUSIONS:

- An Abstract
- Mathematical Aims
- Observations and Results
- Discussion on Relevance of Results
- Conclusion
- References and Acknowledgements
CREATIVE WRITING - INCLUSIONS:

- Mathematical Aims
- List of Key Mathematical Ideas
- Evaluation
- References and Acknowledgements

Examples of creative writing submissions can include an essay, creative story, collection of poems or letters, a script for a play, etc.
MODEL – ARE NOT ACCEPTED:

- A photo of the model can be included in a Poster
- A photo of a model can be included in a booklet
POSTER - INCLUSIONS:

- Mathematical Aims
- Rules and Investigation Process
- Conclusions, References and Acknowledgements
- **Poster dimensions must be no larger than an A2 sheet**
- Posters should present information in a sequence with a clear indication of the mathematics involved.
MATHSTALENTQUEST

COMPUTER PROGRAM, WEBSITE, VIDEO, AUDIO OR MULTIMEDIA PRESENTATION:

- Mathematical Aims
- Rules and Investigation Process
- Script indexed commentary, operating instructions.
- Conclusions, References and Acknowledgements

Maximum running time is 15 minutes. Videos should be in DVD format. Computer programs must be in Windows/Mac format. They must not require any installation of software. Programs must be accompanied with a hard copy.
JUDGING REQUIREMENTS

- Judging will occur for a week in August
- Judging will be held at La Trobe University, Bundoora Campus
- Each metro school entered has to provide a minimum 2 hours
- Regional schools are encouraged to participate in judging
- Independent and student teachers are also welcome to apply
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JUDGING RUBRIC

- The Judging Rubric can be downloaded from The MAV website
- The current judging rubric is in draft form
MTQ STATE AND NATIONAL AWARDS

- Every entrant will receive a participation certificate
- Encouragement and Credit: Receive a certificate
- Distinction and High Distinction: Receive a certificate and voucher
- Outstanding investigations are forwarded to the National MTQ
- Distinction, High Distinction and National Awards will be presented at the Awards Ceremony held on Thursday 18 October
FURTHER INFORMATION

- Please visit the MTQ website to download additional documents

- Attend an MTQ Professional Development workshop – dates can be found above link

- Contact MTQ Education Consultant: Jennifer Bowden (jbowden@mav.vic.edu.au)

- Contact MTQ Event Manager Jacqui Diamond (jdiamond@mav.vic.edu.au)

- Phone the MAV Office on 9380 2399