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AUSTRALIAN
SCIENCE &
MATHEMATICS
SCHOOL

Yr 10 + 11 + 12

PMEG Project 2024 – Guide for Student Inquiry Poster

We invite you to design your own mathematical inquiry question in relation to the theme: **Decoding the world with mathematics**

“Explore the mathematics that can be seen in the world around us. From famous architecture and art to the motion of vehicles, we will explore mathematics through practical, hands-on ways.

*Participants will be guided by our students and staff to develop an inquiry question related to the theme and present their learning on a digital poster. Your **Digital (A3) Poster** will show other people what you’ve done and the mathematics that you’ve used.*

Your poster should include the following:

- Your name, year level and school.
- Title (the mathematical inquiry question you are investigating).
- Background information (Why did you undertake this investigation?)
- Method (What did you do?)
- Results (What did you find out? Please include any relevant maths, graphs, and images.)
- Discussion/Conclusion (What did the results tell you about your inquiry question?).
- References (names of people, documents or websites that provided you with information).

It’s important to note you will not be alone on this journey. You will have the support of your ASMS student mentors, teacher(s), and parents.

Your Digital Poster should be uploaded by **Thursday 22nd August 2024 to the ASMS website (<https://asms.sa.edu.au/pmeg/>)** to allow enough time for printing, prior to the International Science Fair expo. **PDF files are preferred**; however, Word, PowerPoint, Publisher, tiff, and jpg files can be used.

PMEG participants will present their posters at the ASMS International Science Fair Expo on Thursday 5th September and certificates will be awarded.



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