

# Poster Presentation



## What is a science poster?

A science poster is an attractive and visual way to present a message about a science topic. The message is presented clearly, quickly and relies on impact. The poster should be eye-catching in order to get the message across.

What to do:

- select an idea around a theme
- decide on a message you want the poster to tell
- find out about your topic
- plan your poster
- locate resources
- make your poster

## What makes a winning entry?

A winning entry:

- has accurate science content.
- will communicate the single idea clearly.
- will show good quality drawing, artistic skills and imagination, giving the poster visual appeal.
- will use minimal words that can be easily read from a distance and that are appropriate to your year level.

## Some ideas to get you started

- Exploring the moon
- A new colony on Mars
- Use of drones in industry
- Edible vaccines
- Architectural acoustics
- Seismology
- Sustainable chemistry
- Alternative energy
- Environmental conservation strategies



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## Entry Guidelines

You are required to:

- Give a clear explanation of the scientific and technical principles involved (refer to the diagrams you have used that help illustrate these principles)
- Explain the significance and impact that the topic has in the real world (refer to the diagrams you have used that help illustrate these principles)
- Include at least 3 relevant diagrams which summarise the two guidelines above
- List acknowledgements and references used. Put these in a small box at the bottom right hand corner of the poster.
- Posters must not have any built-up or three-dimensional sections.
- All diagrams and text must be original: Text must be in your own words. It may be hand written or produced via computer. The text needs to be concise (use just enough words to explain the topic ideas when a person looks at the poster/chart for a couple of minutes.) Diagrams may be either hand drawn or produced using tools on a computer. Diagrams copied from other software or downloaded are not acceptable.
- Maximum word limit is 400 words, including headings, explanations and captions; excluding bibliography
- Written information must be legible (visible from 1 metre) and contain a major heading for the topic and sub-headings (visible from 2 metres) for ideas/concepts within the topic.
- Diagrams must have clear headings/labels and be distinguishable from a distance of 2 metres.
- Judges will look for evidence of accurate and relevant scientific content, understanding of the material presented, and depth of investigations, innovative and creative thought in the visual presentation and in the selection of ideas investigated.
- Electronic submission must include high resolution photos (to ensure that judges can zoom in to see the written detail).

# Judging Criteria

## Rowe Scientific Poster Presentation

		5 Exceed expectations of student's learning level	4	3 Evident and appropriate to learning level	2	1	0 Not Evident
<b>Process</b>	Choice of Topic	Identification of the topic					
		Informed explanation of the topic and scientific and technical principles involved					
		Description of how topic fits into a wider global context or <a href="#">it's</a> impact					
	Plan of the Project	Planning of investigation					
		Demonstrates an understanding of the factors which may affect attitudes to a scientific idea or issue					
		Demonstrates an understanding of different perspectives or attitudes surrounding a scientific idea or issue					
		Demonstrates awareness/knowledge/comparison of change over time in scientific ideas					
	Interprets Results	Summarising data using graphs, tables and other representations, appropriate use of mathematics, scientific language and imagery, description of trends and relationships					
		Identification of errors and reference to plausible causes of errors					
		Includes 3 relevant, labelled diagrams that demonstrate different perspectives or attitudes					
<b>Science Focus</b>	Findings and Conclusions	Coherent, legible and logical explanation of ideas, methods and findings using appropriate scientific language and representations					
		Presents a balanced argument in addressing the scientific topic					
	Validity	Draws on relevant evidence and relationships to support conclusions					
	Understanding	Making plausible suggestions for further improvements in data collection/presentation					
<b>Evidence of ownership</b>	Creative	Demonstrates an original and creative approach to solving the problem showing ingenuity/originality					
	Acknowledgements	Acknowledges resources used (including reference materials, books, websites <a href="#">etc.</a> and assistance from other people).					
		Permission to use copyrighted material where applicable					
	Evidence	Has provided detailed evidence of work (such as draft, workings and/or notes) ensuring the product or device is a true representation of the student's learning and understanding.					
		<b>TOTAL</b>					