

The Vernier Foundation Inc Presents

TECHNO CHALLENGE



Register Now

Call 03 9827 3330
 vernier.org.au

The Challenge

The Vernier Techno Challenge is open to children in Years 5 and 6 throughout Victoria.

The primary aim of the Challenge is to introduce young people to the exciting world of Manufacturing and Engineering. This is achieved by encouraging young Victorians to think about these occupations at an early stage, through a journey of practical discovery.

Students select a working object and learn how it is made and how it operates. Students are required to investigate the structure of the object, its operation, the materials used and the fundamental principle behind how and why it works. This will require some research and basic mechanical tools.

Alternatively, students may invent their own "working object".

Students will present their findings in an audiovisual presentation from the point of view of "How Things Work" or "How Things Are Made". Past projects have included a pendulum clock, MP3 player, camera, musical keyboard and an amphibious car!

Closing Date

Final Submissions 18/7/2012

Entry Format

Presentations must be submitted in Microsoft PowerPoint, DVD or Windows Media Player formats.

Presentations are restricted to 4 minutes and be accompanied by audio relevant to the topic.

Presentations can be posted on CDs or DVDs to the postal address below.

Judging Process

Judging of audiovisual presentations is conducted in 3 stages. Rural and Metropolitan entries are judged separately for the first two rounds. The final round of judging is "blind" where Rural and Metropolitan entries are judged together. Prizes will be presented at a special luncheon in September. Students are welcome to display any models they've made at this time.

How to enter

Select a topic and an object, and decide whether to participate as an individual or in a team of 1-6 entrants.

Entries must be submitted by Friday 18/7/2012

Postal submissions must be sent to Vernier Foundation
 PO Box 572 Toorak 3142

The Award Ceremony will be held on Thursday 13/9/2012

Vernier Foundation

The Vernier Foundation is a not-for-profit charitable trust created by the Vernier Society of Victoria. The Vernier Society was created almost 70 years ago and is run by members from the Victorian Engineering and Manufacturing Industry.

Prizes



\$5,000 of Lego Robotics



\$2,500 of Scientific Equipment



\$1,000 of Electroflash Electronic Kits



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