



SWINBURNE

SEE THE LIGHT

COMPETITION

The [International Year of Light](#) (IYL) is a worldwide celebration of all things light, from the technologies that use it and that make our 21st century way of life possible, to the wonders of what light reveals of the universe around us. In Australia we have a proud tradition of innovating with light. We've created atom-sized structures for storing a [petabyte of data on a single DVD](#), we've generated [true 3D holograms](#), and we've used radio waves to [find mysterious cosmic explosions](#).

Now [Swinburne](#) wants to know what *you* think is amazing about light and we want you to show it in your school science lab. The great thing about light is that it's everywhere! From the famous dual-slit experiment to the Michelson-Morley interferometer we have learnt so much about our world from simple tests in the lab and we want your school to share that with us. This is science in action!

THE COMPETITION:

Victorian high school students are invited to **conduct and record an experiment that investigates something that they find interesting or inspiring about *light***. In the short video, the students should explain the experiment and what it shows about the amazing nature of light. The best entry in each category will **win \$250 to be shared by the student(s) and \$500** for their school to use as they choose. Winning students will receive a certificate and their video will also be hosted on the [Swinburne YouTube channel!](#)



INTERNATIONAL
YEAR OF LIGHT
2015

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SWINBURNE
UNIVERSITY OF
TECHNOLOGY

COMPETITION CRITERIA:

- Two prize categories: Junior Scientists (Years 7-8) and Apprentice Scientists (Years 9-10).
- The best entry across Victoria for each category will win \$250 (to be shared by the student(s) responsible for the entry) plus \$500 (allocated to the school). Payment will be made by cheque.
- Individual and/or team entries are allowed.
- Schools can enter as many times as they like!
- Competition opens 25 October 2015. Entries to be submitted by Friday 27 November. Winners to be announced by email on Friday 11 December.
- Full Terms and Conditions are available at: www.swin.edu.au/termsandconditions.pdf

HOW TO ENTER:

1. Create an experiment at school to explore one of the amazing properties of light.
2. Produce a film less than 3 minutes in length of the experiment and your simple explanation of what is happening (we want to see the scientists and hear their take on the science!).
3. Be sure to place credit slides at the end of your video that include the following information: team name (if you have one); student names and year levels; and school name.
4. Any standard video file type (e.g. mp4, avi) is acceptable. Please limit the video file size to a maximum of 200 MB.
5. Go to <http://tiny.cc/swiniylcomp> to upload your film.

CONTACT:

If you have any questions about the competition, please contact Dr Alan Duffy, Swinburne University of Technology: aduffy@swin.edu.au