



SHINING THE LIGHT ON SCIENCE

PHOTOGRAPHY COMPETITION
AND FREE WORKSHOPS

COMPETITION ENTRIES CLOSE 12 noon, 20 AUGUST 2015
Enter online at <http://bit.ly/STEMTSV>

Thursday 20th Aug

1:15 – 1:45pm – School talk – (photography/microscopy) - the importance of visuals in science
Sign up at A Block Staffroom

1:50 – 3:00pm – Workshop with Senior Physics Students – Light, Imagery, Physics focus (Year 11/12)

Friday – 21st Aug

1:15 – 1:45pm – School talk – (photography/microscopy) - the importance of visuals in science
Sign up at A Block Staffroom

1:50 – 3:00pm – Workshop with Senior Art Students (Year 11) – 30 students – Art & Science focus





Shining the Light on Science

Our special guests will be presenting workshops in Townsville on photography, be on the photography competition judging panel and present at the Shining the Light on Science Awards ceremony.



National Science Week - Special Guests

Tailoi Chan-Ling is a Professor of Neurobiology & Visual Science at the University of Sydney. Originally trained as an optometrist, Tailoi has moved on to a distinguished career as a research biologist, with numerous paradigm shifting studies detailing the complex interactions between cells and blood vessels in the retina, and how they change in disease.

Tailoi's talk for National Science Week will explore the analogy between the living eye and the inner workings of a camera. She will examine the themes of light, colour, visual processing in the eye and how what we see is changed in disease and aging. Drawing on her experiences as both an optometrist and a researcher, she will explore both the science of light and optics, and their relationships with the cells that create our visual experience of the world around us.

David Vaney had a 35-year career as a research neuroscientist, including 20 years at the Queensland Brain Institute, where he is an Emeritus Professor. David studied the first stages of the neuronal processing of visual information, which take place within the retina at the back of the eye. He showed that relatively simple neuronal circuits underlie quite complex visual processing in the retina. David took early retirement in 2011 to embark on a new career, enrolling as a student in the Bachelor of Photography (Photojournalism) program at the Queensland College of Art.

David's talks for National Science Week will combine both strands of his professional life, on the theme of "Light and Colour: Visual Processing by Man and Machine." David will compare and contrast the strategies that cameras and the eye use to capture and process visual images; he will also draw on work from his own practice to illustrate how light and colour can be used to optimal effect in photography.



Free Community Events

Thursday 20th August 2015: 10am – 11:30am – Aitkenvale Library – workshop photography/scientific imaging

Friday 21st August 2015: 10am – 11:30am – Thuringowa Library – workshop photography/scientific imaging

Saturday 22nd August 2015: 10am – 12 noon – Shining the Light on Science Awards Ceremony – Thuringowa Library
Morning tea followed by a 20 minute talk each special guest, Tailoi and David.

For more information, visit bit.ly/tsvwhatson