



Science EXPOsed



31 October 2009

For the first time, Science EXPOsed is being extended to the weekend! Bring your family to the Powerhouse Museum for a fun day of science. Eight of Australia's leading Young Tall Poppy scientists will conduct practical one hour workshops throughout the day. Perfect for aspiring scientists aged 11-15 years. Free with Museum admission, bookings essential at www.osmr.nsw.gov.au/scienceexposed

You might also like to take the ultimate photographic journey through the Universe at our new exhibition *From Earth to the Universe*.

Workshops include:

Maths vs. swine flu

How does mathematical modelling help us to stop the spread of diseases? Dr David Wilson and his team will guide you through the modelling of the spread of disease epidemics, using the HIV/AIDS epidemic in African countries as an example.

Life underground

Associate Professor Ian Anderson will have you using microscopes, tests and sampling to experiment with the little known but vital world of life in the soil.

Never mind the snakes

Beware of the plants! In this workshop you will investigate the many deadly tricks plants use to protect against their enemies. Dr Angela Moles and Dr Stephen Bonser will have you experimenting with plant chemical defences.

It's a chemical world

Dr Peter Rutledge and friends will walk you through some experiments in modern chemistry. By the end of the workshop you will have investigated a range of hands-on experiments.

From magnets to the stars

How do astronomers create those amazing pictures of galaxies far, far away? Experiment with the use of light, radio waves and X-rays to view the universe and create your own multi-wavelength astronomical picture.

It's a cyber world

Explore the latest in computer science with Dr Steffan Williams.

It's all in your mind

Researchers from the Brain and Mind Research Institute will have you experimenting with the way you think and see, and how we know what is real and what is imaginary.

Electric water

This workshop will involve working fuel cells, hydrolysis and an investigation of the actions of catalysts in making this technology efficient enough for everyday use. Participants will split water molecules then recombine them in a workshop to investigate fuel cell technologies.

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Science EXPOsed is a joint initiative of the NSW Department of Industry and Investment's Office for Science and Medical Research (OSMR) and the Curriculum K-12 Directorate, NSW Department of Education and Training, in partnership with the Powerhouse Museum



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