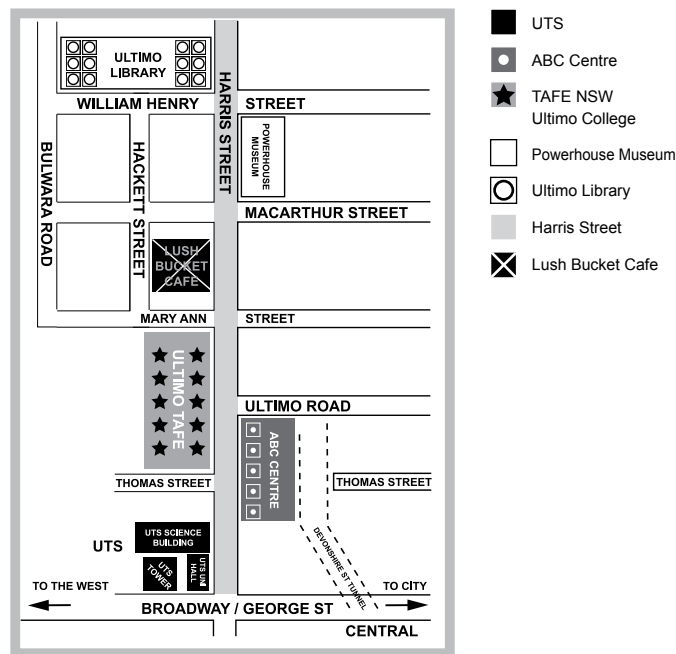


# ultimo science festival

SYDNEY CENTRAL  
RAILWAY STATION  
5 mins walk from

## festival map



### CONTACTS

**General Festival Enquiries**  
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[www.ultimo-science-festival.com](http://www.ultimo-science-festival.com)

## festivalinfo

The Ultimo Science Festival in Sydney, NSW, is two weeks of serious science fun for families, school groups, for young, and old and in-between, for geeks and non-geeks. There's something for anyone who wants to expand their mind, think about the world and wonder about how stuff works and why it is so.

The Ultimo Science Festival is proudly presented by the Powerhouse Museum, the Australian Broadcasting Corporation, The University of Technology Sydney and TAFE NSW. It is supported by the Australian Government and the City of Sydney. The Festival will showcase the considerable scientific credentials of the four partner organisations, bringing together scientific research, technology, design, education, communication and entertainment.

Most events are free and held along Harris St, Ultimo from Monday 16 August to Sunday 29 August, 2010. The festival events are an easy stroll from Central train station, buses and the light rail.

## dailyevents

16 - 29 August 2010

### Powerhouse Museum

500 Harris Street, Ultimo, 10am - 4pm  
These events FREE with entry to Powerhouse Museum: Adults \$10, child \$5, Family \$25

#### Experimentations SCIENCE SHOWS

Science shows for kids that make everyday things seem extraordinary. Find the answers to questions like: Can a banana be used as a hammer? For 5 years and up. *Weekdays at 11am, Weekends at 11am and 1pm*

#### Space and Transport EXHIBITIONS

What's it like to live in space? Experience weightlessness in the Zero Gravity Space Lab.

#### Cyberworlds: computers and connections EXHIBITION

Technologies have changed dramatically this century. How have people's values, beliefs, hopes and fears changed in relation to technology?

#### Nuclear matters EXHIBITION

Nine imaginative and daring interactive displays where you can have amazing fun while learning all about nuclear science.

#### Installation: Face Two Face

3D scan your face! Come along to have your face scanned, then see a robot carve your likeness into polystyrene where it becomes part of a wall of facial images in the Museum! It's all in the 3D Scanning and rapid prototyping.

#### SCINEMA in the Powerhouse

Scinema is a Festival of Science Film brilliantly curated by CSIRO's Cris Kennedy that brings the arts, science and film together.

#### The Muse Events

Ultimo TAFE Building C, Harris Street, Ultimo, 10am - 4pm

#### SCINEMA in the MUSE

Scinema is a Festival of Science Film brilliantly curated by CSIRO's Cris Kennedy that brings the arts, science and film together.

#### Our Solar System and beyond the Milky Way

A collection of the finest astrophotography from around the world, showing our solar system and galaxies beyond the Milky Way.

#### Kingdom of the Blind EXHIBITION

A collaboration between an embroidery artist and neuroscientist based on images of the birth and death of brain cells.

#### ABC Atrium

700 Harris Street, Ultimo, 9am - 5pm weekdays and Saturday 28th

#### SCINEMA in the ABC

Scinema is a Festival of Science Film brilliantly curated by CSIRO's Cris Kennedy that brings the arts, science and film together.

#### UTS City Campus

UTS Tower Building, Level 4 Foyer  
Open 8am - 8pm weekdays and Saturday 28th

#### Inquiring Minds. Inspiring Solutions. EXHIBITION

A snapshot of UTS research in the fields of diabetes, groundwater management, ecosystem protection and bacterial antibiotic resistance.

16 - 29 August 2010

## festival program

[www.ultimo-science-festival.com](http://www.ultimo-science-festival.com)

This festival is supported by the City of Sydney and the Australian Government as part of National Science Week.

# special events

## Wednesday 18 August

Time	Event	Venue
6pm – 7.30pm	<b>The Science of Cocktails</b> A night of molecular mixology! An exclusive event hosted by Manuel Terron (from Mixing with the Best, Lifestyle Channel) looking at the science behind mixing cocktails. You will mix and taste a range of cocktails – all in the name of science! Available to 18+ only. <i>UTS City Campus, The Loft Bar</i> <b>Tickets: \$35. Booking essential. Tickets can be purchased from the Union Desk, Level 3 UTS Tower Building, or call: (02) 9514 1149</b>	<input checked="" type="checkbox"/>
6pm	<b>The Naked Scientist talk</b> Enjoy drinks, canapes and the engaging musings of Dr Chris Smith, host of the award winning BBC weekly radio program, The Naked Scientist. <i>The Muse, Ultimo Tafe Building C, Harris St</i> <b>Tickets: \$15. Booking essential call (02) 9217 4133</b>	<input checked="" type="checkbox"/>

## Thursday 19 August

Time	Event	Venue
2pm – 3pm	<b>Curator Tours: Science Underground</b> Take an exclusive peek behind the scenes at the Museum's Science and Technology collection in storage. Explore the treasure trove of scientific and technological instruments, objects and curios in the Museum's collection. <i>Powerhouse Museum, 500 Harris St</i> <b>Tickets: \$30. Booking essential call (02) 9217 0222 or <a href="http://www.powerhousemuseum.com/bookings/usf">www.powerhousemuseum.com/bookings/usf</a></b>	<input type="checkbox"/>
6pm – 7.30pm	<b>Great Big Science Gig</b> Science-rock-cabaret with great music and great science demonstrations with the cute and charismatic Chris KP, the elegant and enigmatic Darren V and rock-star guitarist Marty. Available to 18+ only. <i>UTS City Campus, Glasshouse Bar (Level 3 Tower Building)</i> <b>FREE no booking required</b>	<input checked="" type="checkbox"/>
6pm welcome drinks. 6.30pm–7.45pm	<b>Green Lighting Revolution!</b> The future of lighting technology is more sustainable, responsible and economical. <i>UTS tower building</i> <b>FREE but booking essential <a href="http://www.science.uts.edu.au">www.science.uts.edu.au</a></b>	<input checked="" type="checkbox"/>

## Friday 20 August

Time	Event	Venue
2pm – 3pm	<b>Curator Tours: Science Underground</b> <i>(see Thursday 19 August)</i>	<input type="checkbox"/>
Doors open 5:15pm. Talks from 6pm – 10pm	<b>Ultimo Big Night of Science</b> A big night out for those who love all things science. Talks, comedy and much more including: The Hon Barry Jones, 'The Stupid Species' with ABC's Daniel Keogh (Hungry Beast, Radio National's Science Show) and Kerrie Dougherty (Powerhouse's Curator of Space Technology). All with the bar open and live music grooving...when too much science is never enough. <i>Powerhouse Museum, 500 Harris St</i> <b>Tickets: \$10. Booking essential call (02) 9217 0222 or <a href="http://www.powerhousemuseum.com/bookings/usf">www.powerhousemuseum.com/bookings/usf</a></b>	<input type="checkbox"/>

## Saturday 21 August

Time	Event	Venue
10am – 4pm	<b>Science Exposed</b> Bring your family to the Powerhouse Museum for a fun day of science. Young scientists will conduct practical one hour workshops throughout the day. Perfect for aspiring scientists aged 11–15 years. <i>Powerhouse Museum, 500 Harris St</i> <b>Tickets: FREE for participants. Booking essential call (02) 9217 0222 or <a href="http://www.powerhousemuseum.com/bookings/usf">www.powerhousemuseum.com/bookings/usf</a></b>	<input type="checkbox"/>
2pm – 3pm	<b>Curator Tours: Science Underground</b> <i>(see Thursday 19 August)</i>	<input type="checkbox"/>
1pm, 7pm	<b>True Logic of the Future</b> A science fiction thriller exploring the choices we make when we run out of choices featuring narrative theatre, interactive sequences and a live soundtrack of trombone-electronica. <i>Powerhouse Museum, 500 Harris St</i> <b>Tickets: \$20. Bookings essential call (02) 9217 0222 or <a href="http://www.powerhousemuseum.com/bookings/usf">www.powerhousemuseum.com/bookings/usf</a></b>	<input type="checkbox"/>

## Sunday 22 August

Time	Event	Venue
2pm – 4pm	<b>Forum: The Future of Fertility</b> How late is too late to have a baby? Are you better off doing it sooner or later? A discussion with reproductive scientists, assisted-fertility specialists and parents who are going through or coming out of the process. <i>Powerhouse Museum, 500 Harris St.</i> <b>Tickets: \$20. Bookings essential call (02) 9217 0222 or <a href="http://www.powerhousemuseum.com/bookings/usf">www.powerhousemuseum.com/bookings/usf</a></b>	<input type="checkbox"/>
2pm – 3pm	<b>Curator Tours: Science Underground</b> <i>(see Thursday 19 August)</i>	<input type="checkbox"/>
11am	<b>True Logic of the Future</b> <i>(see Saturday 21 August)</i>	<input type="checkbox"/>

## Monday 23 August

Time	Event	Venue
4pm – 5pm	<b>Flight, Sound and Fire - with the Jollybops</b> An interactive show that looks at some of the scientific principals behind Aboriginal inventions and environmental understanding. <i>Ultimo Library, Cnr Bulwara Rd and William Henry St</i> <b>FREE but booking essential call (02) 9298 3110 or <a href="mailto:library@cityofsydney.nsw.gov.au">library@cityofsydney.nsw.gov.au</a></b>	<input checked="" type="checkbox"/>
Doors open 6pm. Evening starts at 6.30pm	<b>Quantum Physics: Einstein's unruly child</b> Sydney University science communicator Dr Phil Dooley will demonstrate some of the strange quantum effects with real experiments and introduce the science that has, despite its apparent strangeness, made some of the most accurate predictions of any theory. Suitable for 14 years and up. <i>Presented by the Powerhouse Museum and the Australian Institute of Physics. Powerhouse Museum, 500 Harris St</i> <b>FREE but bookings essential call (02) 9217 0222 or <a href="http://www.powerhousemuseum.com/bookings/usf">www.powerhousemuseum.com/bookings/usf</a></b>	<input type="checkbox"/>

## Tuesday 24 August

Time	Event	Venue
10am - 11am	<b>Click Robotics – Database workshop</b> Learn how to use the library's catalogue and find a variety of journals using the e-library service. Great skills to learn! <i>Ultimo Library, Cnr Bulwara Rd and William Henry St</i> <b>FREE but booking essential call (02) 9298 3110 or <a href="mailto:library@cityofsydney.nsw.gov.au">library@cityofsydney.nsw.gov.au</a></b>	<input checked="" type="checkbox"/>
2pm – 3pm	<b>Curator Tours: Science Underground</b> <i>(see Thursday 19 August)</i>	<input type="checkbox"/>
1pm, 7pm	<b>True Logic of the Future</b> <i>(see Saturday 21 August)</i>	<input type="checkbox"/>
5pm – 6pm	<b>Talk Gravity – Science Readers Group</b> Bring along your favourite science 'read'. It can be fiction or fact, book, website or blog, magazine or journal - and share it with the reading circle. <i>Ultimo Library, Cnr Bulwara Rd and William Henry St</i> <b>FREE but booking essential call (02) 9298 3110 or <a href="mailto:library@cityofsydney.nsw.gov.au">library@cityofsydney.nsw.gov.au</a></b>	<input checked="" type="checkbox"/>
6pm welcome drinks. 6.30pm – 7.45pm	<b>CSI Misunderstood? Do we really know what happens?</b> See crime scene investigation techniques with NSW Police Force experts in the lab and on site with examples from Australia and the UK. <i>UTS Tower Building</i> <b>FREE but booking essential. Please visit <a href="http://www.science.uts.edu.au">www.science.uts.edu.au</a></b>	<input checked="" type="checkbox"/>

## Wednesday 25 August

Time	Event	Venue
10am – 2.30pm	<b>Smorgasbord Science @ UTS</b> Excursion for Year 10-12 students with a chance to solve crime, generate energy efficiently and learn about our unseen bedfellows, microorganisms. <i>UTS City Campus</i> <b>FREE but booking essential. Visit <a href="http://www.science.uts.edu.au">www.science.uts.edu.au</a></b>	<input checked="" type="checkbox"/>
2pm – 3pm	<b>Curator Tours: Science Underground</b> <i>(see Thursday 19 August)</i>	<input type="checkbox"/>
1pm	<b>True Logic of the Future</b> <i>(see Saturday 21 August)</i>	<input type="checkbox"/>
4.30pm – 7.00pm	<b>Astronomy in HSC Physics</b> Join Jeff Stanger, local science teacher and author for an astronomy talk followed by guided star gazing. <i>Ultimo Library, Cnr Bulwara Rd and William Henry St</i> <b>FREE but booking essential call (02) 9298 3110 or <a href="mailto:library@cityofsydney.nsw.gov.au">library@cityofsydney.nsw.gov.au</a></b>	<input checked="" type="checkbox"/>

- UTS
  ABC Centre
  TAFE NSW Ultimo College
  Powerhouse
  Ultimo Library
  Harris St
  Lush Bucket Cafe

# special events

## Thursday 26 August

Time	Event	Venue
10am - 10.30am	<b>Rhymetime Science</b> It's never too early to introduce the concept of science to your children. Sing science nursery rhymes with your little ones. Suitable for babies and toddlers 6 months - 2 years old. <i>Ultimo Library, Cnr Bulwara Rd and William Henry St</i> <b>FREE no booking required</b>	<input checked="" type="checkbox"/>
11am - 11.45am	<b>Science Storytime</b> A wonderful storytime session to introduce children to science. Children's craft is included. For 3 - 5 year olds. <i>Ultimo Library, Cnr Bulwara Rd and William Henry Street St</i> <b>FREE no booking required</b>	<input checked="" type="checkbox"/>
2pm - 3pm	<b>Curator Tours: Science Underground</b> <i>(see Thursday 19 August)</i>	<input type="checkbox"/>
4pm - 5pm	<b>Liquid Nitro and Sound Effects with Questacon</b> Explosions and noise in the library! Join the Questacon team as they experiment with liquid nitrogen, everyday objects and sound effects. For 5 - 12 year olds. <i>Ultimo Library, Cnr Bulwara Rd and William Henry St</i> <b>FREE but booking essential call (02) 9298 3110 or library@cityofsydney.nsw.gov.au</b>	<input checked="" type="checkbox"/>
1pm, 7pm	<b>True Logic of the Future</b> <i>(see Saturday 21 August)</i>	<input type="checkbox"/>
6pm welcome drinks 6.30pm - 7.45pm	<b>The Science of Happiness</b> Can happiness be measured? Are men happier than women? Dr Terry Flynn from the UTS Centre for Study of Choice explains what research has shown us about quality of life. <i>UTS Tower Building</i> <b>FREE but booking essential. RSVP to events@uts.edu.au</b>	<input checked="" type="checkbox"/>

## Friday 27 August

Time	Event	Venue
11am - 3pm	<b>Lifestyle Expo</b> Visit the UTS Lifestyle Expo to explore the science of your body! Free health assessments, healthy food samples, membership offers and special discounts on retail clothing and accessories. Plus many free group exercise classes. <i>UTS Science Building, Harris St Level</i> <b>FREE no bookings required</b>	<input checked="" type="checkbox"/>
2pm - 3pm	<b>Curator Tours: Science Underground</b> <i>(see Thursday 19 August)</i>	<input type="checkbox"/>

## Saturday 28 August

Time	Event	Venue
9am - 3pm	<b>Lifestyle Expo</b> <i>(see Friday 27 August)</i>	<input checked="" type="checkbox"/>
9am - 4pm	<b>UTS Open Day</b> What would it be like to be a science or maths student at UTS? Have a friendly chat with students and academics, wander around the campus, take a tour of the facilities and find out why they enjoy science at UTS so much. <i>UTS City Campus</i>	<input checked="" type="checkbox"/>

## Saturday 28 August *continued*

Time	Event	Venue
9am - 4pm Plus tours running each hour.	<b>Nursing simulation and Robo-patient exhibition</b> Contemporary nursing and midwifery is strongly based in science. Come along to UTS: Nursing, Midwifery and Health labs to see the amazing "robo-patients". Feel their chests rise and fall as they breathe, hear their hearts beat, see them sweat, bleed, talk and respond to care. <i>UTS City Campus</i> <b>FREE no booking required</b>	<input checked="" type="checkbox"/>
10am - 11am	<b>Big opportunities for engineers in policy development</b> Find out why engineers are essential for developing policy. <i>UTS City Campus, Building 10, Lvl 2, Rm 460</i> <b>FREE no booking required</b>	<input checked="" type="checkbox"/>
10am, 11am, 12pm, 1pm, 2pm, 3pm	<b>Nanotechnology and electron microscope tour</b> Witness how scientists modify the structure of things on the teeny tiny nano-scale to create new innovative devices. <i>UTS City Campus, Science Info Desk, Building 1, Level 3.</i> <b>FREE but numbers are limited. Pick up a ticket from the Faculty of Science booth to secure your place.</b>	<input checked="" type="checkbox"/>
10am, 11am, 12pm, 1pm, 2pm, 3pm	<b>Biological Sciences Tour</b> Visit a real Science Lab and find out what pathologists and scientists look for when making a diagnosis. <i>UTS City Campus, Science Info Desk, Building 1, Level 3.</i> <b>FREE but numbers are limited. Pick up a ticket from the Faculty of Science booth to secure your place.</b>	<input checked="" type="checkbox"/>
10am, 11am, 12pm, 1pm, 2pm	<b>Acupuncture and Chinese medicine clinical tour</b> Find out how different treatments work and how traditional Chinese medicine is being practised today in a contemporary outpatient clinic. <i>UTS City Campus, Science Info Desk, Building 1, Level 3.</i> <b>FREE but numbers are limited. Pick up a ticket from the Faculty of Science booth to secure your place.</b>	<input checked="" type="checkbox"/>
10.30am, 11.30am, 12.30pm, 1.30pm, 2.30pm, 3.30pm	<b>Forensics Laboratory Tour</b> Get a sneak peek into the world of forensic science in this tour of the state-of-the-art UTS laboratories. <i>UTS City Campus, Science Info Desk, Building 1, Level 3.</i> <b>FREE but numbers are limited. Pick up a ticket from the Faculty of Science booth to secure your place.</b>	<input checked="" type="checkbox"/>
10am - 11am	<b>The Science of Coffee</b> A great way to start your Saturday - sample delicious coffee and learn about the science behind making great coffee at home. <i>Lush Bucket Cafe, 623 Harris St, Ultimo</i> <b>\$10 per person includes coffee tasting and snacks.</b> <b>Bookings essential as places are limited: 0412 562 339</b>	<input checked="" type="checkbox"/>
10am - 4pm	<b>Powerhouse Science Experience</b> A weekend of fun experiments for young scientists aged 11-15yrs. All equipment supplied. For more information call (02) 9217 0111 <i>Powerhouse Museum, 500 Harris St</i> <b>Tickets: \$80 for two days. Bookings essential call (02) 9217 0222 or www.powerhousemuseum.com/bookings/usf</b>	<input type="checkbox"/>

## Saturday 28 August *continued*

Time	Event	Venue
9.30am, 12.30pm, 5pm	<b>Ruben Meerman, the Surfing Scientist show &amp; book launch</b> ABC's Surfing Scientist, Ruben Meerman from Catalyst and Rollercoaster, demonstrates mind-boggling science tricks from his new book. Meet Ruben at a book signing after each show! <i>Eugene Goossens Hall, ABC Centre, 700 Harris St</i> <b>FREE but bookings essential (02) 9217 0122 or ultimosciencefestival@gmail.com</b>	<input checked="" type="checkbox"/>
11am, 2pm	<b>Maths Comedy - Planet of the Primes!</b> Join maths comedian Simon Pampena on the Planet of the Primes - the fantastical adventures of a space hero who uses comedy to explore the Universe of Maths. Suitable for ages 7 and up. <i>Eugene Goossens Hall, ABC Centre, 700 Harris St</i> <b>FREE but bookings essential (02) 9217 0122 or ultimosciencefestival@gmail.com</b>	<input checked="" type="checkbox"/>
2pm - 3pm	<b>Curator Tours: Science Underground</b> <i>(see Thursday 19 August)</i>	<input type="checkbox"/>
3.30pm	<b>Dinosaurs Aren't Dead - Dr Karl's children's show and book launch</b> Join Dr Karl Kruszelnicki to find out why dinosaurs aren't dead and a whole lot of other amazing fun science stuff for 7 to 15 year olds. <i>Eugene Goossens Hall, ABC Centre, 700 Harris St</i> <b>Adults must be accompanied by a child under 16.</b> <b>FREE but bookings essential (02) 9217 0122 or ultimosciencefestival@gmail.com</b>	<input checked="" type="checkbox"/>
1pm, 7pm	<b>True Logic of the Future</b> <i>(see Saturday 21 August)</i>	<input type="checkbox"/>

## Sunday 29 August

Time	Event	Venue
10am - 4pm	<b>Powerhouse Science Experience</b> <i>(see Saturday 28 August)</i>	<input type="checkbox"/>
2pm - 3pm	<b>Curator Tours: Science Underground</b> <i>(see Thursday 19 August)</i>	<input type="checkbox"/>
2pm - 4pm	<b>Forum: The Science of Successful Children</b> The noughties have become the era of a new baby boom. As economic and social pressures increase, families and new parents are stretching to ensure the best for their children. So can science help make a successful child? <i>Powerhouse Museum, 500 Harris St</i> <b>Tickets: \$20 - bookings essential call (02) 9217 0222 or www.powerhousemuseum.com/bookings/usf</b>	<input type="checkbox"/>

## about nationalscienceweek

For over ten years, National Science Week has been celebrating the contribution of Australian science to the world, encouraging interest in scientific pursuits and inspiring people to become fascinated by the world we live in. National Science Week is supported by the Australian Government with partners CSIRO, ABC and ASTA (Australian Science Teachers Association). It continues to expand each year and now attracts a wide audience with more than 800 events across Australia. Check out what else is happening in National Science Week on the website: [www.scienceweek.gov.au](http://www.scienceweek.gov.au)