

The inaugural World Science Festival Brisbane will take science out of the laboratory and into the streets, parks, museums, galleries and performing arts venues of Brisbane and regional Queensland.

Students are invited to participate in the World Science Festival Brisbane Education Program and celebrate the wonder of science, the 2016 program includes:

## COOL JOBS

Venue: Plaza Auditorium,  
Brisbane Convention and  
Entertainment Centre  
Year Level/s: Years 7-12  
Date: Thursday 10 March 2016  
Cost: \$10 per student  
(venue capacity 600)

Meet people with Cool Jobs and explore the science behind their work. The 'office' may be anywhere from a fossil dig – maybe unearthing creatures unseen for millions of years, to a crime scene – piecing together clues of a different kind!

From a Palaeontologist, Zookeeper or Forensic Scientist to a Space Programmer from NASA hear their stories and be inspired!

## CHASING DOWN THE COMET

Venue: Griffith Conservatorium  
Theatre, South Bank  
Year Level/s: Years 7-12  
Date: Friday 11 March 2016  
Cost: \$10 per student  
(venue capacity 600)

Through a panel discussion, students from years 7-12 will learn about the incredible 11.4 billion kilometre journey of Rosetta, a robotic space probe, sent to chase down the 67P/Churyumov-Gerasimenko comet.

PARTICIPANTS: Artur B. Chmielewski, US Rosetta Manager, NASA; Lisa Harvey-Smith, science writer, speaker, and astronomer at the CSIRO; Mark McCaughrean is the Senior Science Advisor in the Directorate of Science and Robotic Exploration at the European Space Agency.

## PIONEERS IN SCIENCE

Venue: Queensland Museum  
Year Level/s: Years 8 - 12  
Date: Thursday 10 -  
Friday 11 March 2016  
Cost: Free (Venue Capacity: 140)  
BOOKING REQUIRED  
**limited spaces available**

In this live and digital program, high school students have the rare opportunity to engage with world renowned scientists on an unprecedented level. It's a time for Q&A, and to address some of the most important topics in science.

During the weeks leading up to the event, invited students immerse themselves in the work of these pioneering scientists in order to be prepared to ask questions and have in depth conversations and discuss or debate issues.

## PARTICIPANTS:

(THURSDAY) Sylvia Earle, National Geographic Society Explorer-in-Residence Earle is an oceanographer, explorer, author and lecturer.

(FRIDAY) Andy Thomas, Astronaut.

## GREEN HEARTS SCHOOLS

Venue: King George Square  
Year Level/s: Year 7 Only  
Date: Friday 11 March 2016  
Cost: Free  
Register Your Class Online  
Capacity: 40 School Teams

Calling all young inventors! We need your to help secure Brisbane's water future. Green Heart Schools invites Brisbane's Year 7 students to the Future BNE event.

Future BNE is open to Year 7 students and is linked to the Science and Geography Australian Curriculum. Student teams will battle other Brisbane schools as they channel their best innovative ideas, critically evaluate water use and discover how science, technology and art can work to build a better future.

Register your Year 7 students online at [worldsciencefestival/education-program](http://worldsciencefestival/education-program)

# EDUCATION PROGRAM: YEARS 7 - 12

📅 THURSDAY 10 MARCH AND FRIDAY 11 MARCH 2016

## DEAR ALBERT

Venue: Playhouse QPAC,  
South Bank  
Year Level/s: Years 7-12  
Date: Friday 11 March 2016  
Cost: \$28 per student  
(venue capacity 600)

Performed by an ensemble cast, students will be inspired during Alan Alda's reading of Dear Albert, which delves into the personal and working life of one of the greatest minds of the 20th century—Albert Einstein.

## CAN WE SAVE OUR PRECIOUS REEFS IN TIME?

Venue: Griffith Conservatorium  
Theatre, South Bank  
Year Level/s: Years 7-12  
Date: Thursday 10 March 2016  
Cost: \$10 per student  
(venue capacity 600)

Through a panel discussion, students from years 7-12 will hear about the dramatic state of decline of the world's reefs and whether there is still time to preserve and protect these amazing global assets.

**PARTICIPANTS:** Sylvia Earle, National Geographic Society Explorer-in-Residence Earle is an oceanographer, explorer, author and lecturer; Ruth Gates, renowned coral expert; Ove Hoegh-Gulberg, Professor of Marine Studies and Director of the UQ Global Change Institute; Terry

Hughes, Distinguished Professor of Marine Biology at James Cook University; Brendan Mackey, Director of the Climate Change Response Program at Griffith University; Russell Reichelt, Chairman Great Barrier Reef Maritime Park Authority.

## TURTLE HATCHING

Venue: Queensland Museum  
Year Level/s: All Ages  
Date: Thursday 10 –  
Friday 11 March 2016  
COST: FREE,  
NO BOOKING REQUIRED

Students will have a unique opportunity to witness the incubation and hatching of Flatback and Loggerhead Turtle eggs—two vulnerable species needing our protection.

## BIOLUMINATION

Venue: Sciencentre,  
Queensland Museum  
Year Level/s: All Ages  
Date: Thursday 10 –  
Friday 11 March 2016  
Cost: FREE,  
NO BOOKING REQUIRED

This art installation shows students how nasty germs and bacteria can be transformed into a gorgeous, glowing masterpiece.

## ON A WING

Venue: Queensland Museum  
Year Level/s: All Ages  
Date: Thursday 10 –  
Friday 11 March 2016  
Cost: FREE,  
NO BOOKING REQUIRED

This free display features a live taxidermy demonstration and showcases Queensland Museum's extensive collection of birds. Queensland artist, Emma Lindsay, will bring extinct Australian bird species and sub-species to life, through her visually stunning paintings.

## HOW TO BOOK?

To book for a school group teachers can complete the schools booking form online or call qtx group sales on 07 3840 7466 Monday to Friday 9am to 5pm.

## VISIT WEBSITE

Explore the full program for events that might be relevant to your classroom [www.worldsciencefestival.com.au](http://www.worldsciencefestival.com.au)

## THE APPRENTICE PROGRAM

Venue: various  
Year level/s: suitable for ages 14-18  
Date: Saturday 12 March 2016  
Cost: \$10 - \$15 per student

**INDIVIDUAL STUDENTS** can book online at [worldsciencefestival.com.au](http://worldsciencefestival.com.au)

The Apprentice programs are small, hands-on workshops in which renowned scientists, technologists, and innovators educate curious minds on the workings and wonders of their chosen fields.

In small groups, students will become the scientist's Apprentice, in the field or the lab depending on the discipline. You may even discover your future career, as you become involved with the painstaking practices of dissecting fish, repairing a valuable work of art or analysing DNA data. Not quite

you? Then, how about the experimental and creative instincts necessary to work with robots, sportspeople or lasers? If you become an Apprentice you'll also gain access to the secret worlds of labs and underground plants that few ever get a chance to witness.

This program is designed for high school students and young adults, be quick though, places are strictly limited.

# EDUCATION PROGRAM: YEARS 7-12

📅 THURSDAY 10 MARCH 2016

09:30 AM			<b>TURTLE HATCHING</b> QUEENSLAND MUSEUM 9:30–5:00 pm FREE  <b>This display will run all day. No need to book just pop by.</b>	<b>BIOLUMINATION</b> QUEENSLAND MUSEUM 9:30–5:00 pm FREE  <b>This display will run all day. No need to book just pop by.</b>	<b>ON A WING</b> QUEENSLAND MUSEUM 9:30–5:00 pm FREE  <b>This display will run all day. No need to book just pop by.</b>
10:00 AM	<b>COOL JOBS</b> Plaza Auditorium, Brisbane Convention and Entertainment 10:00–11:00 am \$10 per student  BOOKING REQUIRED	<b>PIONEERS IN SCIENCE</b> QUEENSLAND MUSEUM 10:00–11:00 am FREE BOOKING REQUIRED <b>Limited spaces available</b>			
10:30 AM					
11:00 AM					
11:30 AM					
12:00 NOON					
12:30 PM					
1:00 PM	<b>COOL JOBS</b> Plaza Auditorium, Brisbane Convention and Entertainment 1pm–2pm \$10 per student  BOOKING REQUIRED	<b>CAN WE SAVE OUR PRECIOUS REEFS IN TIME?</b> GRIFFITH CONSERVATORIUM THEATRE, SOUTH BANK 12:30–2:00 pm \$10 per student  BOOKING REQUIRED			
1:30 PM					
2:00 PM					
2:30 PM					
3:00 PM					
3:30 PM					
4:00 PM					
4:30 PM					

# EDUCATION PROGRAM: YEARS 7-12

FRIDAY 11 MARCH 2016

09:30 AM		<b>GREEN HEARTS SCHOOL</b>		<b>TURTLE HATCHING</b>	<b>BIOLUMINATION</b>	<b>ON A WING</b>
10:00 AM		King George Square, Brisbane 9:30am-12:00pm		QUEENSLAND MUSEUM 9:30-5:00 pm FREE	QUEENSLAND MUSEUM 9:30-5:00 pm FREE	QUEENSLAND MUSEUM 9:30-5:00 pm FREE
10:30 AM		BOOKING REQUIRED		<b>This display will run all day. No need to book just pop by.</b>	<b>This display will run all day. No need to book just pop by.</b>	<b>This display will run all day. No need to book just pop by.</b>
11:00 AM			<b>DEAR ALBERT</b>			
11:30 AM			PLAYHOUSE, QPAC, SOUTH BANK 11:00-12:15 pm \$28 per student			
12:00 NOON			BOOKING REQUIRED			
12:30 PM		<b>GREEN HEARTS SCHOOL</b>	<b>CHASING DOWN THE COMET</b>			
1:00 PM		King George Square, Brisbane 12:30-3:00 pm	GRIFFITH CONSERVATORIUM THEATRE, SOUTH BANK 12:30-2:00 pm \$10 per student			
1:30 PM		BOOKING REQUIRED	BOOKING REQUIRED			
2:00 PM						
2:30 PM						
3:00 PM						
3:30 PM						
4:00 PM						
4:30 PM						
5:00 PM						