

Presentation Ceremony - Brighton Concert Hall

Friday 18 September 2015

SA's largest **Science Competition**

2015

SASTA

OLIPHANT

SCIENCE AWARDS

SOUTH AUSTRALIAN SCIENCE TEACHERS ASSOCIATION



Government of South Australia
Department for Education and
Child Development

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The South Australia Science Teachers Association would like to thanks the sponsors of the SASTA Oliphant Science Awards.

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SIR MARK OLIPHANT 1901 - 2000

The South Australian Science Teachers Association have been privileged to have had Sir Mark Oliphant as our Patron for the SASTA Oliphant Science Awards since their inception in 1981.

Like many of the recipients of these awards, Sir Mark was born in South Australia and received his primary and secondary education in state schools here. An outstanding student, Sir Mark investigated a number of career pathways and eventually settled on the pursuit of Science at the University of Adelaide. Sir Mark showed a love of tinkering and invention from an early age and it was in the science laboratories in Adelaide that he started to make his own scientific apparatus. He was to become one of the leaders in the design and construction of revolutionary apparatus including particle accelerators used to investigate the structure and interactions of the nuclei of atoms.

In 1927 a scholarship took Sir Mark to the famous Cavendish Laboratories in Cambridge, UK, where he worked with Lord Rutherford, who was a pioneer in atomic physics.

Together with other great scientists including Fermi, Lawrence and Oppenheimer, Sir Mark created the brave new world of nuclear physics. His expertise in this area was to lead Sir Mark to the Manhattan Project in America and to his participation in the development of the first atomic bomb.

Sir Mark was always a champion of the peaceful uses of atomic energy and in 1937 accepted his first professorship as head of the Physics Department at

Birmingham University where he was to continue to push the boundaries of knowledge of nuclear physics. In this year he was elected as a 'Fellow of the Royal Society'.

In 1955 Sir Mark's reputation as a scientist, research director and administrator were well established in the scientific community. This together with his declared interest in establishing world class educational research facilities in Australia led Sir Mark back to Australia at the request of the Government. In this year he founded the Research School of Physical Sciences at the newly established Australian National University in Canberra.

In the years after retirement from academic life Sir Mark became a household name in South Australia where he gave distinguished service as our State Governor.

A clear demonstration of his ongoing support of science and science education was provided to the science community in our state when Sir Mark agreed in 1981 to lend his name as Patron of the SASTA Oliphant Science Awards.

Sir Mark's legacy will live on in many ways not least through the thousands of students, teachers and members of the public who participate in these awards annually.

Of special significance is that Sir Mark, through his love of tinkering and invention, made the perpetual Oliphant Trophy himself.

PAST OLIPHANT SCIENCE AWARD WINNERS

- 1981 **David Tilley** – *Mount Gambier High School*
- 1982 **Andrew McDowell** – *Oakbank Area School*
- 1983 **Stella Miller** – *Oakbank Area School*
- 1984 **Vernon Wells** – *Marryatville High School*
- 1985 **Eleanor Rainsford** – *St Peters Collegiate Girls School*
- 1986 **David Messenger** and **Darren Kelly** – *Glenunga High School*
- 1987 **Darin Lovett** and **Edward Dunstone** – *Prince Alfred College*
- 1988 **Frank Trimboli** and **Nikolaos Vogiatzis** – *Underdale High School*
- 1989 **Simon Ratcliffe** – *Henley High School*
- 1990 **Kingsley Storer** – *Prince Alfred College*
- 1991 **John Sanderson** – *Pulteney Grammar School*
- 1992 **William Greenrod** and **Michael Ashley** – *Pulteney Grammar School*
- 1993 **Mark Hodson** and **James Jolly** – *Modbury High School*
- 1994 **Mark Hodson** – *Modbury High School*
- 1995 **Kyra Reznikov** – *Annesley College*
- 1996 **Jamie Messner** – *Prince Alfred College*
- 1997 **Erik Procko** – *Marryatville High School*
- 1998 **Erik Procko** – *Marryatville High School*
- 1999 **Paul Philps, Lydia Rofo** and **Kristina Miller** – *Marryatville High School*
- 2000 **Andrew Royal** – *Faith Lutheran Secondary School*
- 2001 **Alexander Cichowski** – *Brighton Secondary School*
- 2002 **Samuel Teck Ern Wong** – *The Norwood Morialta High School*
- 2003 **Samuel Teck Ern Wong** – *The Norwood Morialta High School*
- 2004 **Alyssa Fitzpatrick** – *Loreto College*
- 2005 **Konrad Pilch** – *St Peter's College*
- 2006 **Finn Stokes** – *Australian Science and Mathematics School*
- 2007 **Finn Stokes** – *Australian Science and Mathematics School*
- 2008 **Michael Huxley** – *St John's Grammar School*
- 2009 **Benjamin Harrison** – *Urrbrae Agricultural High School*
- 2010 **Michael Huxley** – *St John's Grammar School*
- 2011 **Nina Mao** – *Glenunga International High School*
- 2012 **Will Russell** – *St John's Grammar School*
- 2013 **Madeleine Lilburn** – *Loreto College*
- 2014 **Sarah Damin, Isabelle Greco & Bridget Smart** – *Wilderness School*

A MESSAGE FROM THE CONVENORS

The Oliphant Science Awards are conducted annually by the South Australian Science Teachers Association, and are named in honour of the late Sir Mark Oliphant, our former Patron, and in his time an outstanding supporter and promoter of our student science competition.

The Oliphant Science Awards commenced in 1981, with Sir Mark personally hand crafting the trophies for the best boy and girl entrants. Since then student participation has continued to grow, and very many students throughout South Australia now participate. The wide range of interests and abilities of these students is catered for by the many categories and age groupings that we offer. Students can enter individually or, for many of the categories, participate as part of a group.

Sir Mark personally designed and crafted the titanium metal perpetual trophy that the annual winning student holds for one year. The trophy is then exchanged for an engraved medal at the following year's Award Ceremony.

The Oliphant Science Awards recognise outstanding student work with prizes in each age group and each category. Schools with many winning students are awarded a schools prize. There are many prizes made available through the generosity of our Sponsors, who are an integral part of the success of our Awards. We acknowledge this support through their attendance at and participation in the Awards Ceremony. Without our sponsors we could not offer such a successful student science competition.

This year we are pleased to acknowledge as our Platinum and Gold Sponsors, the Department for Education & Child Development, the Advertiser, the Defence Science Technology Organisation, and The University of South Australia with Hewlett Packard.

An essential component of the Oliphant Science Awards is the judging. SASTA acknowledges and thanks the large group of dedicated teachers and supporters of science education who have volunteered to judge the thousands of entries that students prepared for this year's competition. This contribution to SASTA and to science education is greatly appreciated.

The Oliphant Science Awards have once again been a great success thanks to the participation of thousands of students. We know that this participation happens with the encouragement and support given by very many parents and teachers, and we thank you all for this support, coming as it does at a time when student engagement in Science has

never been more critical. We also thank and acknowledge the hard work of the SASTA OSA Committee members and volunteers who make this project possible. And finally, we thank the SASTA Office staff for their dedicated commitment to the success of the Oliphant Science Awards. This is probably the largest project that our association undertakes annually.

Each of the eight Australian state and territory Science Teacher Associations offers student science competitions. At SASTA we are proud that in recent years, our Oliphant Science Awards has been the largest of these state competitions, a success built on the contributions of the many people listed above.

As with the other state and territory competitions, winners of the OSA Scientific Inquiry and Models and Inventions (Engineering) categories automatically progress to the finals of the national BHP Billiton Science and Engineering competition. Each year we also nominate a Teacher Finalist to the national BHP Billiton Science and Engineering Awards.

Whatever your role is, we thank you for your contribution to this wonderful project.

*Peter Turnbull and David LeCornu
Oliphant Science Awards Convenors, 2015*

SASTA PRESIDENT'S MESSAGE

The Oliphant Science Awards are one of the many activities organised each year by the South Australian Science Teachers Association to assist science education in schools and in our community. A knowledge and awareness of science in our daily lives is essential for all Australians in the twenty-first century. Learning science encourages students to develop a range of skills such as observation, prediction and communication as well as expanding their knowledge both within and between the diverse domains of science. The Oliphant Science Awards provide students with an opportunity to extend their scientific literacy, by showing interest and understanding in the world around them, engaging in discussions about science and being able to make informed choices about the environment and their own health and wellbeing.

SASTA's strength lies in our members and in the many highly committed educators who volunteer their time out of school hours to ensure that we continue to serve the needs of all teachers of science. Our 465 members are drawn from all education sectors, teaching all year levels across the State. We are also fortunate to have a permanent secretariat to ensure the continuing smooth functioning of all aspects of our business.

Affiliation with the Australian Science Teachers Association (ASTA) and with the International Council of Associations for Science Education (ICASE) ensures that our science teachers are in touch with developments taking place in science education throughout the world. SASTA members also benefit from and contribute to national and international conferences, teacher exchange schemes, overseas or local study fellowships and access to a variety of science competitions for their students. SASTA provides professional learning opportunities to teachers within our State through its publications and by facilitating workshops and conferences.

SASTA develops and maintains close links with employment authorities, businesses, industry and the tertiary education sector. Working closely with such organisations allows us to develop programs, activities and resources that reflect the nature of science in our community. SASTA greatly appreciates the support and sponsorship it receives from these partners and thanks them for sharing our commitment to effective learning in science.

Science and the technologies made possible by scientific research and development are driving us through a period of rapid technological change. These changes are, in turn, informing the debate about what science is important and how it should be taught in our schools. SASTA and our members are closely involved in revisiting and developing ideas about how best to ensure that all students become enthusiastic learners in science.

At SASTA we are proud of our contribution to assisting learning for teachers and their students. We will continue our commitment to fostering an awareness and appreciation of the roles that science, technology and innovation play in our daily lives and in the future environmental and economic strength of the country.



Karen Palumbo
SASTA President.





Damien Raines

The University of South Australia and Hewlett-Packard

Proud sponsors of the SASTA Oliphant Science Awards

As proud sponsors of the SASTA Oliphant Science Awards we congratulate you on your outstanding achievement.

“Hewlett-Packard is one of the largest international ICT companies, and to have a globally recognised company on my CV before graduating is a huge confidence booster. Hewlett-Packard managers seemed genuinely excited by the partnership. They really want us to succeed in this program.” *Damien Raines, Bachelor of Information Technology (Honours) (Enterprise Business Solutions).*

unisa.edu.au/ITEnterpriseBusinessSolutions



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Department for Education and
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South Australian Young Scientist Awards R-7 and 8-12

1 st prize boy / 1 st prize girl	\$500 cash
2 nd prize boy / 2 nd prize girl	\$250 cash
3 rd prize boy / 3 rd prize girl	\$150 cash

The Department for Education and Child Development (DECD) has been a sponsor of the Oliphant Science Awards since their inception in 1981, and is delighted to continue this arrangement as a Platinum Sponsor in 2015.

The Oliphant Science Awards exemplify the inquiry based approach to the teaching and learning of Science that is so important in engaging our students, and in supporting the development of their scientific understanding and processes that leads to improved scientific literacy.

For many young people their experience of science at school sets a pattern that lasts throughout life. DECD is strongly committed to each and every student having the opportunity to experience the joy of scientific discovery, and to apply their natural curiosity to their world. All students are supported in developing the scientific knowledge, understandings and skills to make informed decisions about local, national, global issues, and to participate, if they so wish, in science related careers.

DECD has a major role in supporting our state's drive to ensure that our workforce is highly skilled in Science, Technology, Engineering and Mathematics (STEM). Through our DECD STEM Strategy we are ensuring all educators connect with the latest in teaching practices and the wide range of programs available to support their work.

The Department for Education and Child Development acknowledges the role that SASTA, through its many volunteers, plays in engaging so many students in Science inquiry and in the promotion of scientific literacy, and is proud to sponsor and support this important project.



Presentation Program Reception - Year 7



PRESENTATION PROGRAM – R-7

- **6:00pm** Seating of winners
- **6:15pm** Seating of audience and guests
- **6:30pm** Ceremony commences

THE MASTERS OF CEREMONY

Associate Professor Claudine Bonder

Associate Professor Claudine Bonder is a vascular biologist at the Centre for Cancer Biology and her work investigates the intricate network of blood vessels that carry cells throughout our body. Her laboratory works with endothelial cells; the cells that line the blood vessels, and using cutting edge technology her team aims to better understand the role of endothelial cell in normal and disease. Recent advances in the Bonder laboratory include (i) the development of smart surface biomaterials to co-transplant endothelial cells together with insulin-producing islet cells to cure patients with diabetes and (ii) understanding how cancer cells transform into endothelial-like cells to enhance the blood supply for tumour growth.

Associate Professor Natasha Harvey

Associate Professor Natasha Harvey is a developmental biologist at the Centre for Cancer Biology, SA Pathology. Her research program is focussed on understanding how lymphatic vessels are normally constructed during development. Lymphatic vessels are vital for fluid homeostasis, fat absorption and the transport of immune cells in our bodies. By understanding how these vessels are normally built and how their function is controlled, we aim to gain a better understanding of how these vessels go wrong in disorders like cancer, cardiovascular disease and lymphoedema. The ultimate goal of her research is to identify new targets to which novel treatments for cancer, lymphoedema and cardiovascular disease could be developed. She was a Young Tall Poppy recipient in 2007.

Welcome: Mr Mark Divito, SASTA Vice-President

SASTA Best Country School Award

Catholic Education SA Primary Schools Prizes

Australian Institute of Energy Prizes

Nature Foundation SA Prize

CSIRO Education / CREST Prizes

Oliphant Science Category Award Winners

Sponsor Prizes: *To be presented during category award announcements*

Australian Institute of Physics Prize

Australian Radiation Protection Society Prize

PICSE R-7 Prize

The University of Adelaide: Faculty of Sciences Prize

University of South Australia & Hewlett Packard R-7 Prize

Department for Education and Child Development

South Australian Young Scientist Awards

Announcements: *The Oliphant Trophy Winner 2015*

- **7:45pm** Conclusion: Mr Mark Divito, SASTA Vice-President

SASTA Best Country School Award

Awarded to the best country school with high achievement and participation across a wide range of categories

Port Lincoln Primary School

Catholic Education SA Primary School Prizes

Awarded to the best two primary schools with high achievement and participation across a wide range of categories.

First **St Andrew's School**
Second **Walford Anglican School for Girls**

Australian Institute of Energy Prizes R-7

Awarded to the best entry at each year level with a sustainable generation and uses of energy theme.

- R-2 Priyanka Thavarjah** – Seymour College
Posters: Solar Energy
- 3-5 Stephanie Jones & Adam Holland** – Scotch College
Models & Inventions: The Power Grid of The Future: Smart and Green
- 6-7 Jaedh Rameezdeen** – Magill School
Models & Inventions: My Carbon Neutral House

Nature Foundation SA Prize R-7

Awarded to the most outstanding entry with a Nature Conservation theme.

- 6-7 Rhys Laurenson & Nick Vandersteegen** – Seacliff Primary School
Multimedia: Seacliff Environmental Science Projects
- 6-7 Josephine Oehler** – Seymour College
Photography: Insects Rule

CSIRO Education/CREST Primary Prize

Award for consistently high achievement and participation in the Scientific Inquiry and Models & Inventions categories.

Best CREST School **Scotch College Junior**
Best Non-CREST School **Walford Anglican School for Girls**



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R – 7 SPONSOR PRIZES

Australian Institute of Physics Prize R-12

Awarded to the most outstanding entry with a physics theme.

- 6-7 Alexandra Stephenson** – Adelaide Hills Home School Group
Scientific Inquiry: The Effects of Cello Mutes on the Timbre and Sound

Australian Radiation Protection Society Prize R-12

Awarded to the best entry with a radiation protection or health physics theme.

- 6-7 Jenna Pierobon** – Emmaus Christian College
Games: Radio Activity 4 Kids

PICSE Prize R-7

Awarded to the best Primary & Secondary entries from country school students with investigation or research component.

- 6-7 Benny Woodrow** – Stirling East Primary School
Scientific Inquiry: More Beans for Your Buck

University of Adelaide: Faculty of Sciences Prize R-12

Awarded to the most outstanding entry highlighting the benefits of scientific research to the community.

- 3-5 Georgina Chadderton** – Walford Anglican School for Girls
Games: Scluedo

University of South Australia & Hewlett Packard R - 7 Prize

Awarded to the most outstanding Computer Programming & Robotics based entry.

- 6-7 Maeve Allen-Horvat** – Scotch College
*Computer Programming & Robotics:
Vision Impaired Walking Aid*



DECD Young Scientist Awards R - 7

- | | |
|--------|---|
| First | Toby Trenwith – Virginia Primary School |
| First | Wei-En Seet – Magill School |
| Second | Benny Woodrow – Stirling East Primary School |
| Second | Maeve Allen-Horvat – Scotch College |
| Third | Jordan Lee – Magill School |
| Third | Isabelle Lilburn – Loreto College |



Government of South Australia
Department for Education and
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CATEGORY AWARD WINNERS – R-7

Computer Programming & Robotics

R – 2

1st Prize	Justin Evans	Highgate School	Football Game
2nd Prize	Calvyn McCarley	Immanuel Primary School	Rock Paper Scissors
3rd Prize	Zacchary Yeend	Scotch College	The Cargo Robot

3 – 5

1st Prize	Aidan Matthews	East Marden Primary School	Bottle Rocket Parachute
2nd Prize	Gunin Singhal	Walkerville Primary School	Multi-Purpose Torch
3rd Prize	Spencer Cobby-Smith	Highgate School	Fire Detector
HC	Morgan Young	Linden Park Primary School	Find the Elements
	Max Wang		
	Daniel Surmon		

6 – 7

1st Prize	Maeve Allen-Horvat	Scotch College	Vision Impaired Walking Aid
2nd Prize	Lara Kirkby	Walford Anglican School for Girls	Robotic Sibling Defence System
	Lily Dacombe-Bird		
3rd Prize	Maeve Allen-Horvat	Scotch College	Speed of Sound Measuring System
HC	Manasi Vanchery	Wilderness School	Compound Calculator
HC	Sam Bush	Crafrers Primary School	BlockSorter 900

Crystal Investigations

R – 2

1st Prize	Niya Singhal	Walkerville Primary School	Different Ways to Grow Crystals
2nd Prize	Joshua Zhang	St Andrew's School	Crystal Investigation
3rd Prize	Not Awarded		
HC	Novak Vukovic	Grange Primary School	Crystal Investigation
HC	Malaika McLeod	Loreto College	Crystal Investigation
HC	Roxy Fiedler	Grange Primary School	Crystal Investigation

3 – 5

1st Prize	Kayla Foley	St Leonard's Primary School	Growing Alum Crystals
2nd Prize	Chloe Mack	Emmaus Christian College	Crystal Growing
3rd Prize	Bellkiss L'Dannoui	St Leonard's Primary School	Alum Crystal
HC	Christos Angelopoulos	St Peter's College	Alum Crystals
	Peter Kalamboyas		
HC	Abby Bowman	St Leonards Primary School	Alum Crystal
HC	Nitin Kollakombil	Mitcham Primary School	Crystal Investigation

6 – 7

1st Prize	Jasmine Hodge	Walford Anglican School for Girls	Crystal Investigation
	Charlotte Anderson		
2nd Prize	Dayna Galloway	Walford Anglican School for Girls	Crystal Investigation
	Lily Dunstone		
	Georgia McDonald		
3rd Prize	Sam Gorrie	St Andrew's School	Crystal Investigation
HC	Ryan Bowman	St Leonard's Primary School	Crystal Investigation
HC	Quinten Engels	Linden Park Primary School	Crystal Investigation

Games

R – 2

1st Prize	Harry Bedford Charlie Bedford	Linden Park Primary School	Super Spin
2nd Prize	Caitlin Counce	Scotch College	The Crystal Tree Game
3rd Prize	Jack Coleman-Jardine	Grange Primary School	Chicken Race
HC	Lily Harper	St Andrew's School	Life in Australian Ecosystems
HC	Emma Luscombe	St John's Grammar School – Junior	Australian Endangered Animals
HC	Minami Doubell	Seacliff Primary School	Marine Rescue
HC	Eliza Rayner	Highgate School	Help Clean Up Australia
HC	Zane Barnett	Burnside Primary School	Animal Life

3 - 5

1st Prize	Isabelle Kameron Phoebe Maguire Eva Meade	Burnside Primary School	A Trip Through the Rainforest
2nd Prize	Arabella Simmons Bella Evans Amelie North	Woodcroft College	Did You Know?
3rd Prize	Madeleine Bardy	Walford Anglican School for Girls	The Great Race from Hydrogen to Xenon
HC	Ruby Cunningham Lola MacPherson	Burnside Primary School	Maze-Tastic
HC	Ariel Spartalis	St Andrew's School	Science Quiz
HC	Stella Jolly	Wilderness School	The Coding Game
HC	Patrick Shephard Hannah Kelley	St John's Grammar Junior School	The Human Body
HC	Heather Ferguson	Glen Osmond Primary School	Quiz Time
HC	Georgina Chadderton	Walford Anglican School for Girls	Scuedo
HC	Joshua Hwong	Emmaus Christian College	Animalia
HC	Oscar Wright	St Thomas School	
HC	Tiffany Diamantis	Walkerville Primary School	

6 - 7

1st Prize	Chloe Gibbons	Walford Anglican School for Girls	The Solar System
2nd Prize	Madeleine Botterill Ruby Francis Sheree Robinson	Para Vista Pre-School – Seven	Race to the Galaxy
3rd Prize	Fotini Mazis	Walford Anglican School for Girls	Universal Heads
HC	Imogen Howard Asha Reed	Walford Anglican School for Girls	Guess Zoo
HC	Tayla Cummings	Trinity College Senior	The Volcano Game

Models & Inventions

R – 2

1st Prize	Kobi Rowe	Grange Primary School	
2nd Prize	Matilda Redshaw Emma Rowe Cynara Harris	Immanuel Primary School	The Light Box
3rd Prize	Blake Taylor	Scotch College	Plant Helper
HC	Hamish Littlechild	Highbury Primary School	Height, Angles, Action
HC	Roszi Bentley	Glen Osmond Primary School	Water Cycle

3 - 5

1st Prize	Iluka Leske	Grange Primary School	
2nd Prize	Amelie Nespolon	St Thomas School	What's Inside Your Eyes and How We See
3rd Prize	Stephanie Jones Adam Holland	Scotch College	The Power Grid of the Future: Smart and Green
HC	Alex Lothian	St Andrew's School	Solar Storage Model
HC	Samuel Lacy	Highgate School	Tricking Our Eyes
HC	Siddharth Dhayanand Harrish Raju Deepa	Mawson Lakes School	Clean Energy Generation
HC	Cara Riquier Emily Estcourt Hughes	Walford Anglican School for Girls	Electric Circuit
HC	Lily Bedford Sophie Bedford	Linden Park Primary School	Infinite Reflection
HC	Lucy Rice Eliana Kanelos Zara Keane	Walford Anglican School for Girls	The Haunted House
HC	Julia Gunther	Wilderness School	The Ancient Arch
HC	Bryson Warman	Sunrise Christian School Marion	Energy Efficient Clothes Dryer Attachment
HC	Gryff Yorath	Crafrers Primary School	Model Of Electroplating
HC	Jamie Owen	St Thomas School	
HC	Jamie O'Dea	St Thomas School	Saliva. What Does It Do?

6 - 7

1st Prize	Alexandra Chadderton	Walford Anglican School for Girls	Magnetic Generator
2nd Prize	Sophie Davidson Zoe Sotiropoulos Madison Lacy	Walford Anglican School for Girls	Lights Out
3rd Prize	Maha Durrani	Linden Park Primary School	The Bizarre World of Frog Reproduction
HC	Dylan Worswick James Butcher Ella Finlay	Scotch College	Manoeuvre on Mars
HC	Brianna Maxted	Linden Park Primary School	Electric Generator
HC	Emily Jose Olivia Bridgland	Wilderness School	A Rocket Ship that Flew to the Moon
HC	Connor Botterill Liam Bennier Lachlan Knott	Para Vista Pre-School – Seven	Mixing Cup
HC	Jacinta Rossi	Wilderness School	My Island Creations
HC	Daniel Ramsay	St Peter's Woodlands Grammar School	The Human Body
HC	Jaedh Rameezdeen	Magill School	My Carbon Neutral House

Multimedia

R – 2

1st Prize	Mahalia Coggins	Emmaus Christian College	How Birds Fly
2nd Prize	Sawyer McLean	St Andrew's School	Star Creature, How To Make New Stars
3rd Prize	Max Arkadianos	St Peter's College	Exploring Different States of Matter
HC	Roxy Fiedler	Grange Primary School	Bee Bee Bumble Bee!

3 - 5

1st Prize	Toby Trenwith	Virginia Primary School	How Planes Fly
2nd Prize	Not Awarded		
3rd Prize	William Lawes Oliver Lawes	St Andrew's School	Corroborree Frog
HC	Lachlan Hennessy	Cedar College	My Dad's New Fish Tank
HC	Lachlan Bishop- Spalding	St Peter's College	Secrets of Sucrose and Salt
HC	Olivia McCormac Meg McGrath Georgia Muir	Wilderness School	Earth, Moon and Sun

6 - 7

1st Prize	Caitlyn Lam	Walford Anglican School for Girls	The Mysteries of the Chicken Egg
2nd Prize	Dylan Worswick	Scotch College	What's the Attraction
3rd Prize	Rhys Laurenson Nick Vandersteegen	Seacliff Primary School	Seacliff Environmental Science Projects
HC	Cameron Mills	Bellevue Heights Primary School	Naracoorte Caves: Underground Wonderlands
HC	Emma Colovic Hannah Gough	Wilderness School	Life Through the Human Eye
HC	Gemma Dandie	Loreto College	The Science of Sound
HC	Sarah North	Walford Anglican School for Girls	Stalactites and Stalagmites
HC	Ava Gasparin Yike Ma	Walford Anglican School for Girls	Human Evolution
HC	Vasiliki Lazarevich	Walford Anglican School for Girls	Earth's Eyesight
HC	Cameron Coggins	Emmaus Christian College	Exploring Sound

Photography

R - 2

1st Prize	April Wright	East Marden Primary School	Insects Rule
2nd Prize	Zac Flapper	Prince Alfred College	Super Bugs
3rd Prize	Willem Koehne	St Andrew's School	An Apple (in) a Day
HC	Hattie Rogers	Seymour College	Insects Rule!
HC	Annika Ganesh	St Andrew's School	Discovering Light
HC	Darcy Johnston	St Aloysius College	Light and Shadow
HC	Ava Bolton	St Aloysius College	Insects Rule!

3 - 5

1st Prize	Lian Mitchell	Colonel Light Gardens Primary School	Light Up My World
2nd Prize	Caitlin Wood	Adelaide Hills Home School Group	Insects Rule!
3rd Prize <i>equal</i>	Harry Glasson	Burnside Primary School	Spiny Leaf Insects Rule!
3rd Prize <i>equal</i>	Crystal Manning	Good Shepherd Lutheran School	Insects Rule!
HC	Leigh Hines	Highbury Primary School	Aussie Aliens
HC	Catrina Balestrin	Wilderness School	Insects Rule
HC	Elijah Bojcevski Joseph Bojcevski	Immanuel Primary School	Weather in My World
HC	Pippini Moseley	Adelaide Hills Home School Group	Insects Rule!
HC	Isabella Marafioti	Mawson Lakes School	Soil Profile
HC	Nathan Johns	Burnside Primary School	Weather in My World: Winter
HC	William Lawes Oliver Lawes	St Andrew's School	Weather in My World
HC	Rithkrithi Saravanan	Plympton Primary School	

6 - 7

1st Prize	Zechariah Wicks	Westminster School	Discovering Light
2nd Prize	Georgia Nathan	Highbury Primary School	Light and Shadow
3rd Prize	Paul Musolino	St Andrew's School	Light and Shadow
HC	Georgia Last	Wilderness School	Capturing the Weather
HC	Macey Tyler	St Thomas School	Lights and Shadow
HC	Isabelle Lilburn	Loreto College	
HC	Jai Speer	Glen Osmond Primary School	Lifecycle of a Common Butterfly
HC	Josephine Oehler	Seymour College	Insects Rule
HC	Dennis Feklistov	Grange Primary School	Insects Rule
HC	Jesse Kaesehagen	St Peter's Woodlands Grammar School	Insects Rule
HC	Eve Carlin	St John's Grammar School – Senior	

Posters

R – 2

1st Prize	Priyanka Thavarjah	Seymour College	Solar Energy
2nd Prize	Sachin McGavigan	St Peter's College	Chemicals in our Food
3rd Prize <i>equal</i>	Jack Nunn	St Peter's College	Solar Energy
3rd Prize <i>equal</i>	James Cross	St Andrew's School	Solar Energy
HC	Charlie Austin	Walkerville Primary School	RoboDoctor
HC	Layla Timbs	Highgate School	Chemicals in our Food
HC	Alex Day	Glen Osmond Primary School	Chemicals in our Food
HC	Ellis Canning	Immanuel Primary School	Chemicals in our Food
HC	Saanvi Kondamuri	Mawson Lakes School	Solar Energy
HC	Audrey Allen	Walford Anglican School for Girls	Chemicals in our Food
HC	Abigail Cheng	St Andrew's School	Solar Power
HC	Shamika Gorey	Grange Primary School	Growing up on Chemical Cuisine
HC	Mithesh Madawala	Burnside Primary School	The Birth of Life
HC	Molly Grey	Walford Anglican School for Girls	Technologies that Changed the World!
HC	Reese Johnston	St John's Grammar School	Solar Energy
HC	Lucinda Carney	Loreto College	Technologies that Changed the World

3 - 5

1st Prize	Isabella Rosser	Wilderness School	Chemicals in our Food
2nd Prize	Isaac Cheng	St Andrew's School	Chemicals in our Food
3rd Prize	Sophie Anchor	Redwood Park Primary School	Technologies that Changed the World
HC	Kristian Musolino	St Andrew's School	Science Fiction Becomes Science Reality
HC	Isla Zorkovic	Seymour College	Solar Energy
HC	Brightlyn Victor	Immanuel Primary School	Chemicals in our Food
HC	Zara De Nichilo	Seymour College	Chemicals in our Food
HC	Alishia Richardson	Redwood Park Primary School	Chemicals in our Food
HC	Husan Ara	Mawson Lakes School	Solar Energy
HC	Labrini Psaltis	Walford Anglican School for Girls	Chemicals in our Food

6 - 7

1st Prize	Isabelle Lilburn	Loreto College	Chemicals in our Food
2nd Prize	Madeleine Flapper	Loreto College	Science Fiction Becomes Science Reality

3rd Prize	Ruby Stefanucci	St Aloysius College	Technologies that Changed the World
HC	Danielle Moffa	St Aloysius College	Science Fiction Becomes Science Reality
HC	Isabella Page	St Aloysius College	Chemicals in our Food
HC	Zachary Whitfield	St Andrew's School	Solar Energy
HC	Katelyn Williams	Para Vista Pre-School – Seven	Solar Energy

Science Writing

R – 2

1st Prize	Samabir Singh	St Andrew's School	Pandemics
2nd Prize	Abigail Cheng	St Andrew's School	Pandemics
3rd Prize	Sava Lily Ogradowski	Seacliff Primary School	What Does Light Mean to You?
HC	Sasha Humble	Seymour College	What Does Light Mean to You?
HC	Flynn O'Neill	Seacliff Primary School	Pandemics

3 - 5

1st Prize <i>equal</i>	Wallace Keagan	Scotch College	Smartphone: GP in My Pocket
1st Prize <i>equal</i>	Jay Mills	Bellevue Heights Primary School	Off the Planet: Voyager 1 Diary
3rd Prize	Kaiji Doubell	Seacliff Primary School	Pandemics
HC	Carys Church	Stirling East Primary School	What Does Light Mean to You?
HC	Olufemi Komolafe	Prince Alfred College – Prep	Impact of Photonics on Daily Life

6 - 7

1st Prize	Wei-En Seet	Magill School	Smartphones Helping Patients and Doctors in the Third World
2nd Prize	Olivia Walker	Walford Anglican School for Girls	Pandemics
3rd Prize	Jimmy Psaltis	St Peter's College	Impact of Photonics on Daily Life
HC	Lucy Gadd	Walford Anglican School for Girls	My Smartphone is My Doctor
HC	Robyn Speck	Linden Park Primary School	Smallpox – Infectio Mundi
HC	Grace Austin	Cabra Dominican College	CSI – Dirt (Off the Planet)
HC	Isabelle Lilburn	Loreto College	Off the Planet: The Challenges of Living in Space
HC	Jinara Devinuwara	Magill School	What Does Light Mean to You?

Scientific Inquiry

R – 2

1st Prize	Zac Grice	Prince Alfred College – Prep	Drumhead Test
2nd Prize	Priyanka Thavarjah	Seymour College	Do Plants Need Water to Be Healthy?
3rd Prize	Aaron Walsh	Highgate School	Do All Liquids Stay the Same Size on Freezing?

3 - 5

1st Prize	Talia Herbst	St Andrew's School	When Will It Crack?
2nd Prize	Jordan Lee	Magill School	Impact of Earphones on Hearing
3rd Prize	Kaiji Doubell	Seacliff Primary School	Global Warming and Oceans
HC	Esther Scharfbillig	Walkerville Primary School	Does Practise Make Perfect?
HC	Lily Weise	Westminster School	
HC	Freddy Ramly-Peck	Seacliff Primary School	Dust Storms

6 - 7

1st Prize	Min-En Seet Wei-En Seet	Magill School Magill School	Left / Right Dominance Left / Right Dominance
2nd Prize	Benny Woodrow	Stirling East Primary School	More Beans for Your Buck
3rd Prize	Sophie Johnson Charlotte Creek Imogen Parkinson	St Peter's Collegiate Girls' School	Mould Growth on Bread
HC	Hao Jiang	St Peter's College	An Inquiry into Apple's Success
HC	Bao Nguyen	Good Shepherd Lutheran School	Measuring The Speed of Light with a Microwave
HC	Alexandra Stephenson	Adelaide Hills Home School Group	The Effect of Cello Mutes on the Timbre and Sound
HC	Isabelle Norman	St Peter's Collegiate Girls' School	Face Recognition and Race
HC	Isabelle Lilburn	Loreto College	Why Puppies Like a Cuddle

Congratulations to all the participants for their outstanding effort, innovative ideas and persistence in meeting scientific challenges. Projects submitted into the Scientific Inquiry and Models & Inventions categories of the Oliphant Science Awards, are eligible for entry into the nation-wide BHP Billiton Science and Engineering Awards.

The BHP Billiton Science and Engineering Awards reward young people who have undertaken practical research projects, which demonstrate innovative approaches and thorough scientific procedures. For more information visit our website at www.scienceawards.org.au

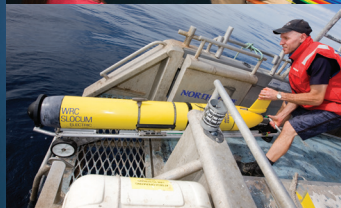
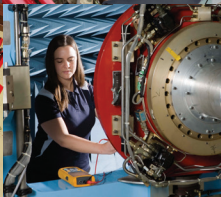
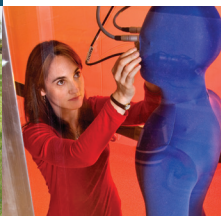
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Congratulations to all entrants in the **Oliphant Science Awards**



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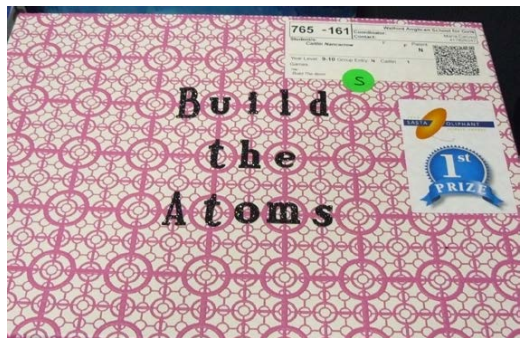
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GROUP

Science and Technology for Safeguarding Australia



Presentation Program

Years 8 - 12



PRESENTATION PROGRAM – 8-12

- **7:45pm** Seating of winners
- **8:00pm** Seating of audience and guests
- **8:15pm** Ceremony commences

THE MASTERS OF CEREMONY

Associate Professor Claudine Bonder

Associate Professor Claudine Bonder is a vascular biologist at the Centre for Cancer Biology and her work investigates the intricate network of blood vessels that carry cells throughout our body. Her laboratory works with endothelial cells; the cells that line the blood vessels, and using cutting edge technology her team aims to better understand the role of endothelial cell in normal and disease. Recent advances in the Bonder laboratory include (i) the development of smart surface biomaterials to co-transplant endothelial cells together with insulin-producing islet cells to cure patients with diabetes and (ii) understanding how cancer cells transform into endothelial-like cells to enhance the blood supply for tumour growth.

Associate Professor Natasha Harvey

Associate Professor Natasha Harvey is a developmental biologist at the Centre for Cancer Biology, SA Pathology. Her research program is focussed on understanding how lymphatic vessels are normally constructed during development. Lymphatic vessels are vital for fluid homeostasis, fat absorption and the transport of immune cells in our bodies. By understanding how these vessels are normally built and how their function is controlled, we aim to gain a better understanding of how these vessels go wrong in disorders like cancer, cardiovascular disease and lymphoedema. The ultimate goal of her research is to identify new targets to which novel treatments for cancer, lymphoedema and cardiovascular disease could be developed. She was a Young Tall Poppy recipient in 2007.

Welcome: Mr Mark Divito, SASTA Vice-President

Oliphant Science Category Award Winners

Sponsor Prizes: *To be presented during category award announcements*

Earth Science Teachers Association Prize

Collison & Co Prize

The University of Adelaide – Faculty of Engineering Computer & Mathematical Sciences Prize

Australian Society of Bio-Chemistry & Molecular Biology Prize

PICSE Prize 8-12

CSIRO Education/CREST Prizes

Australian Institute of Energy Prizes

Flinders University Science & School of the Environment Prizes

Nature Foundation SA Prizes

University of South Australia & Hewlett Packard 8-12 Prize

Defence Science and Technology Group Prizes

Department for Education and Child Development

South Australian Young Scientist Awards

The Oliphant Medal and The Oliphant Trophy 2015

- **9:30pm** Conclusion: Mr Mark Divito, SASTA Vice-President

CATEGORY AWARD WINNERS – 8-12

Computer Programming & Robotics

8

1st Prize	Joseph Ninio	Pulteney Grammar School	Awesome Blood-Typing Game
2nd Prize	Amber Washington Kate Nairn Elise Poynter Seran Perera	Pulteney Grammar School	Metamorphosis
3rd Prize	Ronine Edson – Wilkinson	Prince Alfred College Southern Vales Christian College	Seizure-Sensing Device Periodic Table
HC	Alexander Yantchev	Prince Alfred College	Energy Efficiency of an Electric Car
HC	Max Marriott	Pembroke School	What is 3D Animation?

9 - 10

1st Prize	Sarsha Carroll	Mark Oliphant College	Lego Robotic Arm
2nd Prize	Alex Whitrow	Pembroke School	Acid Rain, the Video Game
3rd Prize	Ivan Kanyitur Joel Field	Southern Vales Christian College	Calculator
HC	Indi Piggini	Mitcham Girls' High School	Robot Topography Mapper
HC	Max Kirkby	Prince Alfred College	Using Simulation to Evolve Life

Crystal Investigations

8

1st Prize	Annalisa Zacest	Walford Anglican School for Girls	Crystal Growth
2nd Prize	Laetitia Ferreira	Walford Anglican School for Girls	Crystal Practical Report
3rd Prize	Thomas Johnson Meagan Johnson Keenan Kartinyeri Annalise Waterhouse	Prince Alfred College Para Hills High School	The Shining
HC	Hayley Burchell Brittany Ward	Para Hills High School	

9 – 10

1st Prize	Denil Kollakombil	Unley High School	Crystal Growing
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11 – 12

1st Prize	Rhoda Okoidigun	Para Hills High School	Crystal Investigation
2nd Prize	Brittany Latto Kellie Wenham	Para Hills High School	Crystal Investigation
3rd Prize	Ashlesha Singde	Para Hills High School	Crystal Investigation

Games

8

1st Prize	Amber Washington	Pulteney Grammar School	Moonphase
2nd Prize	Lauren Veronese Jorgia Meyer	Walford Anglican School for Girls	Break It or Make It
3rd Prize	Kelly Barnett Jamie Lowe	Southern Vales Christian College	Tree Climbers
HC	Maddy Green Elyse Smith Kate Rosman	Concordia College	Crave To Save
HC	Matthew Drown Ned Wheaton	Pembroke School	Nobel Race
HC	Sabina Wang Rachael Xiao	Glenunga International High School	
HC	Thea Sayce	Loreto College	Blast Off

HC	Kareena Shastri Alexis Kentwell Mariana Kopsaftis	Walford Anglican School for Girls	The Body Race
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9 - 10

1st Prize	Caitlin Nancarrow	Walford Anglican School for Girls	Build the Atom
2nd Prize	Yunmi Park Yolanda Dalton	Glenunga International High School	Emerging Evolution
3rd Prize	Nicole White Hayley Richardson Sophie Mann	Walford Anglican School for Girls	I'm a Doctor? 5 Days to Live
HC	Arisa Michos Emily Evans Lavinia Prince	Walford Anglican School for Girls	Save the Reef
HC	Claire Taylor Helena Schwerdt	Walford Anglican School for Girls	Pursuit of Knowledge
HC	Kelsey Searle Lauren Kris Annabelle Pyke	Walford Anglican School for Girls	Journey to a Healthy Brain
HC	Jess Rokkas Alina Jansons	Mitcham Girls' High School	Energenius
HC	Kiruthika Rajasekaran Maisie Howard	Glenunga International High School	Galactic War

11 - 12

1st Prize	Marcus Flackh	Brighton Secondary School	Zap!
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Models & Inventions

8

1st Prize	Sarah Carrodus Hannah Brown Amy Rice	St Peter's Collegiate Girls' School	Animal Vision Box
2nd Prize	Marley Banham	St Peter's Collegiate Girls' School	Nuclear Power Plant
3rd Prize	Bellarose Watts	Glenunga International High School	Magnetic Levitation Train
HC	Teagan Van Gaans Mackenzie Francis-Brown Jemima Alford	Walford Anglican School for Girls	The Environmental House
HC	Amber Washington	Pulteney Grammar School	S.P.P.O.T.

9 - 10

1st Prize	Idris Kellermann Williams	Glenunga International High School	Lego Chronograph
2nd Prize	Lucy Byrnes Chelsea Shinkfield Amalia Polymiadis	Walford Anglican School for Girls	Solar Boom Gates
3rd Prize	Sophie Lightfoot	Brighton Secondary School	How Insects See Flowers
HC	Steven Zhang Daniel Lee	Glenunga International High School	The Rhino

11 - 12

1st Prize	Cameron McCormack	Australian Science and Mathematics School	Thermal Electric Power Unit
2nd Prize	Chelsea Moseley	Open Access College	DC Coconut Grater

Multimedia

8

1st Prize	Mabel Gorman	Wilderness School	What if We Could Turn Back Time?
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2nd Prize	Callum Cunningham Josh Croser James Gurney	Brighton Secondary School	The Nervous System in Humans
3rd Prize	Dakota Poole Ebony Werner	St John's Grammar School – Senior	
HC	Jemima Richter	Walford Anglican School for Girls	Fracking and the Environment
HC	Adam Tapper Rhys Hyde	St John's Grammar School – Senior	The First 36 Natural Periodic Table Elements in Minecraft
HC	Ella Nixon – Does	Mitcham Girls' High School	The Science of Diving
HC	Jassimar Singh	Glenunga International High School	The Wonders of Space

9 - 10

1st Prize <i>equal</i>	Yohan Versege	Scotch College	Should I Continue with Vaccination
1st Prize <i>equal</i>	Aurora Balding Grace Nicolson	Walford Anglican School for Girls	Energy Transfers
2nd Prize	Nicole Kascak Delys Russell	Brighton Secondary School	Ironman
HC	Jay Bugg	Investigator College	Mutants Real and Imagined
HC	Alicia Lo Anthea Yew	Wilderness School	The Buzz on Bees
HC	Summer Till Ashlee Parrott	Mitcham Girls' High School	Hypnotism
HC	Lara Candy Rebecca Minter	Pulteney Grammar School	Sustainability
HC	Abbie Basye	Brighton Secondary School	

Photography

8

1st Prize	Elloise Bridge	Immanuel College	Insects Rule!
2nd Prize	Amber Washington	Pulteney Grammar School	Discovering Light
3rd Prize	Sophie Evans	Loreto College	Seasons in Colour
HC	Kristen Young	Wilderness School	Light and Shadow
HC	Adeline Grant	Glenunga International High School	Light and Shadow
HC	Stephanie Whitman	St John's Grammar School – Senior	Seasons in Colour
HC	Georgie Thorpe	Immanuel College	Weather in My World
HC	Campbell Giles	St John's Grammar School – Senior	Insects Rule

9 - 10

1st Prize	Nicole Hewett	Mitcham Girls' High School	Insects Rule
2nd Prize	Sydney Schultz	Mitcham Girls' High School	Weather in My World
3rd Prize	Alexi Grigoradis	Glenunga International High School	Light and Shadow
HC	Julie Scinto Assunta Lepore	Loreto College	Light and Shadow
HC	Ashleigh Moseley	Adelaide Hills Home School Group	Insects Rule

11 - 12

1st Prize	Erin Carnie-Bronca	The Heights School	Light and Shadow
2nd Prize	Emily Squires	Brighton Secondary School	Insects Rule
3rd Prize	Sharee Grimshaw	Unley High School	Weather in My World

Posters

8

1st Prize	Christina Akele	Adelaide High School	Technologies that Changed the World
2nd Prize	Jasmine Kha	St Mary's College	We Come From the Stars
3rd Prize	Georgia Williams	Loreto College	We Come From the Stars

HC	Samantha Summerford	Loreto College	We Come From the Stars
HC	Sparsh Tiwari	Prince Alfred College	Chemicals in Our Food
HC	Finlay Menz	Glenunga International High School	We Come From the Stars
HC	Georgie Thorpe	Immanuel College	Science Fiction Becomes Science Reality

9 – 10

1st Prize	Lily Liao Yebaihe	Brighton Secondary School	We Come From the Stars
2nd Prize	Sasha Simmonds	Brighton Secondary School	We Come From the Stars
3rd Prize	Aditi Kamath	Wilderness School	What's Really in Our Food?
HC	Esther Burnett	Mitcham Girls' High School	Science Fiction Becomes Science Reality
HC	Hannah Dandie	Loreto College	We Come From the Stars
HC	Sydney McCurrach	Brighton Secondary School	Chemicals in Our Food

11 - 12

1st Prize	Emily Squires	Brighton Secondary School	We Are Made From The Stars
2nd Prize	Madeleine Lilburn	Loreto College	Chemicals in Our Food

Science Writing

8

1st Prize	Vighnesh Nagpal	Glenunga International High School	Off the Planet
2nd Prize	Ben Ransom	St John's Grammar School	Soil Science Changing the World
3rd Prize	Erin Hall	Glenunga International High School	My Smartphone is My Doctor
HC	Sophie Tickner	Walford Anglican School for Girls	Pandemics
HC	Reema Madike	Wilderness School	What Does Light Mean to You?
HC	Sophie Evans	Loreto College	Pandemics
HC	Chinenye Achusiogu	Glenunga International High School	Pandemics
HC	Anoushka Pradhan	Walford Anglican School for Girls	Off the Planet

9 - 10

1st Prize	Anthea Yew	Wilderness School	
2nd Prize	Joanne Pham	Gleeson College	Seven Minutes – Pandemics
3rd Prize	Kee-An Seet	Glenunga International High School	
HC	Charlotte Hall	Walford Anglican School for Girls	Pandemics – Past, Present and Future
HC	Madison Normington	Gleeson College	La Grippe – Pandemics
HC	Kalea Spyker	Brighton Secondary School	My Smartphone is My Doctor – The Age of Self-Diagnosis
HC	Daniel Wang	Glenunga International High School	Impacts of Photonics on Our Daily Lives
HC	Emily Osborne	Walford Anglican School for Girls	Pandemics: Are We Prepared for An Influenza Pandemic?
HC	Denny Han	Prince Alfred College	Off the Planet: To The Stars
HC	Daphne Lee	Glenunga International High School	Impact of Photonics on Daily Life
HC	Jon Verheyen	Glenunga International High School	Pandemics

11 - 12

1st Prize	Madeleine Lilburn	Loreto College	Off the Planet: The Effects of Microgravity
2nd Prize	Maria Sarantou	Glenunga International High School	Mitochondrial Replacement Therapy Should Be Legalised
3rd Prize	Viet Lam	Glenunga International High School	Should Silica Sand Continue to Be Used In Fracking?
HC	Emily Squires	Brighton Secondary School	Should Animals Be Genetically Engineered?
HC	Jordan Shinnick	Glenunga International High School	Do The Benefits of Mining Tantalum Metal in Africa

HC	Eddie Han	Prince Alfred College	Pandemics: Analysis on the Gruesome Truth and Failures of Pandemic Protection
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Scientific Inquiry

8

1st Prize	Cooper Barton	St John's Grammar School	How Does the Paper Plane Design Affect the Plane's Flight, Distance and Speed?
2nd Prize	Rebekah Mann	Eastern Fleurieu R-12 School	Profile Earth
3rd Prize	Roshni Mubarak	Wilderness School	Does Panadol Rapid Really Work Faster Than Average?
HC	Amber Krackowska	Pembroke School	Light Absorption in Sea Water
HC	Samantha Summerford	Loreto College	Golden Wattle: Slip, Slop, Sap.

9 - 10

1st Prize	Kee-An Seet	Glenunga International High School	Do Different Detergents Affect Compost Worms?
2nd Prize	Manjot Bhathal Ryan Al Habibi	Para Hills High School	What Makes Best Paper Planes?
3rd Prize	Maddie Schuster	Faith Lutheran College	Should We Eat Insects?
HC	Joshua Clasholm Jarrod Wodson	Faith Lutheran College	Optimum Pressure in a Football
HC	Amherstia Jade Vergara	Emmaus Christian College	Stress on Singaporean Students vs Australian Students
HC	Emma Thomas	Para Hills High School	Which Bridge Type is Strongest?
HC	Sophie Little	Emmaus Christian College	The Long Term Retention of Maths Concepts
HC	Aine Seed Cindy Gobell	Walford Anglican School for Girls	What Leafy Salad Vegetable Has the Most Vitamin C?

11 - 12

1st Prize	Madeleine Lilburn	Loreto College	Which Active Ingredient Can Really Zap that Zit?
2nd Prize	Alex Kemplay-Hill	Urrbrae Agricultural High School	Salt Tolerance of Ancient vs Modern Wheat Varieties
3rd Prize	Emily Squires	Brighton Secondary School	How to Design a Bionic Eye Using Nature's Best Optical Features
HC	Gabrielle Reyes	Brighton Secondary School	

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We are proud to offer our support to SASTA and participating students.



8 – 12 SPONSOR PRIZES

Earth Science Teachers Association

Awarded to the best entry with an earth theme.

- 8** **Rebekah Mann** – Eastern Fleurieu R-12 School
Scientific Inquiry: Profile Earth

Collison & Co Prize R-12

Awarded to the entry with the most inventive design.

- 9-10** **Idris Kellermann Williams** – Glenunga International High School
Models & Inventions: Lego Chronograph

University of Adelaide: Faculty of Engineering Computer & Mathematical Sciences

Awarded to the most outstanding entry with an engineering, mathematical or computing theme.

- 9-10** **Idris Kellermann Williams** – Glenunga International High School
Models & Inventions: Lego Chronograph

Australian Society of Bio-Chemistry & Molecular Biology Prize R-12

Awarded to the most outstanding entry with a biochemistry or molecular biology theme.

- 11-12** **Maria Sarantou** – Glenunga International High School
Science Writing: Mitochondrial Replacement Therapy Should Be Legalised

PICSE Prize 8-12

Awarded to the best Primary & Secondary entries from country school students with investigation or research component.

- 11-12** **Alex Kemplay-Hill** – Urrbrae Agricultural High School
Scientific Inquiry: Salt Tolerance of Ancient vs Modern Wheat Varieties

CSIRO Education/CREST Secondary Prize

Award for consistently high achievement and participation in the Scientific Inquiry and Models & Inventions categories.

Best CREST School **Glenunga International High School**

Best Non-CREST School **Loreto College**

Australian Institute of Energy Prizes 8-12

Awarded to the best entry at each year level with a sustainable generation and uses of energy theme.

- 8** **Jemima Richter** – Walford Anglican School for Girls
Multimedia: Fracking and the Environment
- 9-10** **Natasha Knezic** – Emmaus Christian College
Scientific Inquiry: Wind Turbines
- 11-12** **Cameron McCormack** – Australian Science and Mathematics School
Models & Inventions: Thermal Electric Power Unit

Flinders University Science Prize 8-12

Awarded to the most outstanding research-based entry in science.

11-12 **Cameron McCormack** – Australian Science and Mathematics School
Models & Inventions: Thermal Electric Power Unit

Flinders University – School of the Environment Prize 8-12

Awarded to the most inspiring entry covering an environmental issue in South Australia.

11-12 **Alex Kemplay-Hill** – Urrbrae Agricultural High School
Scientific Inquiry: Salt Tolerance of Ancient vs Modern Wheat Varieties

Nature Foundation SA Prize 8-12

Awarded to the most outstanding entries with a Nature Conservation theme.

8 **Maddy Green, Kate Rosman and Elyse Smith** – Concordia College
Games: Crave to Save

9-10 **Yolanda Dalton and Yunmi Park** – Glenunga International High School
Games: Emerging Evolution

University of South Australia & Hewlett Packard 8-12 Prize

Awarded to the most outstanding Computer Programming & Robotics based entry.

9-10 **Sarsha Carroll** – Mark Oliphant College
Computer Programming & Robotics: Lego Robotic Arm

Defence Science & Technology Group Secondary Schools Prize

8-10
First Walford Anglican School for Girls
Second Glenunga International High School

11-12
First Brighton Secondary School
Second Loreto College

DECD Young Scientist Awards 8-12

First **Kee-An Seet** – Glenunga International High School
First **Madeleine Lilburn** – Loreto College

Second **Marcus Flackh** – Brighton Secondary School
Second **Amber Washington** – Pulteney Grammar School

Third **Cameron McCormack** – Australian Science and Mathematics School
Third **Alex Kemplay-Hill** – Urrbrae Agricultural High School



Government of South Australia
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Child Development

Oliphant Medal

Presented by Ms Monica Oliphant to the 2014 Oliphant Science Awards winner.

Sarah Damin, Isabelle Greco & Bridget Smart – Wilderness School
9-10 – Multimedia: Time Stops for No Man

Oliphant Trophy

*For outstanding science content.
Presented by Ms Monica Oliphant AO to the 2015 Oliphant Science Awards winner.*

Kee-An Seet – Glenunga International High School
9-10 – Scientific Inquiry: Do Different Detergents Affect Compost Worms

**Congratulations to all the winners for 2015
and thank you all for your attendance.**



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Visit the Oliphant Science Awards Website

www.oliphantscienceawards.com.au



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Upcoming Key Dates

SEP 19	Presentation Ceremony (INVITE ONLY)
DEC 01	Information Release on 2015 competition
JUN 18	Registrations Close

[View all Key Dates >](#)



Register as a coordinator >

The Oliphant Science Awards are a wonderful opportunity for school students from Reception to Year 12 to develop their interests in science through a competition with a range of categories to suit a wide variety of abilities and interests. Registrations for 2014 are now closed!

[Register online >](#)



Student Information >

All South Australian School students from Years R-12 are invited to participate in the Oliphant Science Awards. If you are a student looking to enter a project, make sure that you read all the project tips, rules and criteria guidelines and terms & conditions before starting your project!

[Find out more >](#)



Judge registrations NOW CLOSED >

Network with others interested in Science, further your professional development and discover inspiration and ideas for your programming. Registrations for the 2015 Competition will open in late 2014 so please keep an eye on the website!

[Register online >](#)