

# R-7 SASTA OLIPHANT SCIENCE CATEGORY AWARD WINNERS

## Computer Programming & Robotics

### R - 2

1st Prize	James Ritossa	Highgate School	Soccer 3000
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### 3 - 5

1st Prize	Lara Kirkby	Walford Anglican School For Girls	Lara's New Pet
2nd Prize	Peter Wissiuk & Jarrad Cork	John Hartley School	Forklift Truck

3rd Prize	Maeve Allen-Horvat	Scotch College	Collision Avoidance System
HC	Jenny Liu	Unley Primary School	Have A Good Sitting Position

### 6 - 7

1st Prize	Max Kirkby	Prince Alfred College	Autonomous & Wireless Cars
2nd Prize	Jamie Grozev & Tom Grozev	St Andrew's School	CCR - Computer Controlled Robot

## Crystal Investigations

### R - 2

1st Prize	Kristian Musolino	St Andrew's School	Crystal Investigation
2nd Prize	Charlie Wells	Sturt Street Community School	Crystal Investigation
HC	Isaac Sanders	Rose Park Primary School	Crystal Investigation
HC	Talia Herbst	St Andrew's School	Crystal Investigation

### 3 - 5

1st Prize	Sam Bush	Crafers Primary School	Crystal Investigation
2nd Prize	Sam Gorrie	St Andrew's School	Crystal Investigation
3rd Prize	Guitar Tachasoratja, Ely Thomson & Rachael Learmonth	St Leonards Primary School	Crystal Investigation
HC	Olivia Whyte	Burnside Primary School	Crystal Investigation
HC	Alexandra Stephenson	Stephenson Home School	Crystal Investigation
HC	Alisse Difabio	Woodcroft College	Crystal Investigation

### 6 - 7

1st Prize	Denil Kollakombil	Mitcham Primary School	Crystal Investigation
2nd Prize	Koan Lee Bouchaud	St Leonards Primary School	Crystal Investigation
3rd Prize	Jack Jones	St Leonards Primary School	Crystal Investigation

## Games

### R - 2

1st Prize	Lucy Bowering	Paringa Park Primary School	Animal 'World Spin' Tour
2nd Prize	Wyatt Horsfall	St John's Grammar School	Reef Race
3rd Prize	Harry Ince	Walkerville Primary School	Emu Race
HC	Lily Castine-Price	Glen Osmond Primary School	The Water Cycle Game
HC	Ariel Spartalis	St Andrew's School	The Special Space Set
HC	Hudson Merchant & Zara Biggins	St Andrew's School	Maze Faze

### 3 - 5

1st Prize	Jasper Dew	Burnside Primary School	Amazing Rocks
2nd Prize	Emilie Horsfall	St John's Grammar School	Bush Walk
3rd Prize	Amber Washington	Walkerville Primary School	Windspells
HC	Eton Williams	St Andrew's School	States of Matter
HC	Hayley Stein	Walkerville Primary School	The Space Race
HC	James Lloyd	Warradale Primary School	Marine Rescue

## Games

### 6 - 7

1st Prize	Madeleine Dieperink & Madeline McNeil	Walford Anglican School For Girls	Ecosystems Galore Explore All 4!
2nd Prize	Maisie Callcott & Claudia McKay	Walford Anglican School For Girls	Break the Ice
3rd Prize	Thanh La, Tate Henderson & Liam Brown	Christian Brothers College	Eco House
HC	Sam Maguire	Burnside Primary School	Alien Earth Quest
HC	Nethli Peiris	Glen Osmond Primary School	Early Science
HC	Amber Barrow	Littlehampton Primary School	Stuck In Space
HC	Linh Tran	Walford Anglican School For Girls	Eco-warrior
HC	Ella Chapley & Miranda Ingram	Walford Anglican School For Girls	Exploring Ecosystems at Home
HC	Julia Fowler & Zali Strazdins	Walford Anglican School For Girls	Eco-science
HC	Ilahi Pentelios, William Bowering & Zach Robey	Christian Brothers College	Expedition X
HC	Charlotte Parsons, Elizabeth Rundle & Emily Maloney	Walford Anglican School For Girls	Food Chain Master
HC	Eloise Giustozzi, Mikaela Nemer & Paris Burns	Walford Anglican School For Girls	Great PEM Reef

## Models & Inventions

### R - 2

1st Prize	Regan Nelson	Prince Alfred College	Aerodynamics Test Tunnel
2nd Prize	Alex Lothian	St Andrew's School	The Wildlife Photographer
3rd Prize	Isaac Au	St Andrew's School	An Arch Bridge
HC	Ethan Simon	Bellevue Heights Primary School	DNA Model
HC	Till Liebscher	Burnside Primary School	Earthquakes
HC	Gryff Yorath	Crafers Primary School	Onion Hat Invention
HC	Mahalia Coggins	Emmaus Christian College	Lightning
HC	Kai Westlake	Seacliff Primary School	Moon Buggy
HC	Emma Cookson	Seacliff Primary School	My Model
HC	Ramsey Morris	St Andrew's School	Pangea
HC	Hannah Wegener	St John's Lutheran School - Highgate	Earthquakes & Fault Lines
HC	Hudson Elliott, Noah D'Arcy & Louis Binetti	Immanuel Primary School	Day and Night and Eclipses
HC	Brody Barns, Jack Barns & Thomas Barns	St Andrew's School	Magnetic Dog Coat

### 3 - 5

1st Prize	Madison Lacy	Highgate School	How the Grand Canyon was formed
2nd Prize	Alexander Gielowski	St Thomas School	The Deep Sea
3rd Prize	Bellarose Watts	Walkerville Primary School	Magnetic Motor
HC	Bailey Lock	Prince Alfred College	Safety Bike
HC	Dylan Worswick	Scotch College	Wave Tank

HC	Jeremy Irwin	St John's Grammar School	Ocean Current Generator
HC	David Olijnyk	Woodcroft College	Solar Saver
HC	Sarah Westerholm & Chloe Caire	Littlehampton Primary School	Neigh

## 6 - 7

1st Prize	Elliott Marshall	St Andrew's School	Stirling Motor Model
2nd Prize	Amber Paschero & Bridget Smart	Wilderness School	The Transport of the Future
3rd Prize	Tayla Oates	St John's Grammar School	The Taymascope
HC	Jarrod Smythe	Crafers Primary School	Flight
HC	Lachlan Walden	Greenwith Primary School	The Earthmover
HC	Stephen Dinning	Hawthorndene Primary School	Skyscraper
HC	Cameron James	Redwood Park Primary School	
HC	Matt Voss	St John's Grammar School	
HC	Lucy Hill-Stanley & Declan Spoor	Burnside Primary School	Reefs at Risk

## Multimedia

### R - 2

1st Prize	Ambrose Sefton & Noah Ghan	St Andrew's School	Water In Our Lives
2nd Prize	Mahalia Coggins	Emmaus Christian College	Clouds
3rd Prize	Oliver Moore	Highgate School	Changing States
HC	Marcus Beckwith	Eden Hills Primary School	How A Plant Grows
HC	Oliver Lawes	St Andrew's School	Oliver's Website
HC	Luke Turrell & Kaiji Doubell	Seacliff Primary School	Australian Bullet Trains Ahead

### 3 - 5

1st Prize	Georgia Esselbach	St John's Lutheran School - Highgate	How Plants Grow
2nd Prize	Cameron Coggins	Emmaus Christian College	The Christchurch Earthquake
3rd Prize	Sam Gorrie	St Andrew's School	The Art of Crystal Growing
HC	Max Williams	St Thomas School	Chemical Reactions

### 6 - 7

1st Prize	Molly Chapman & Joyce Fang	Wilderness School	Gravity and the 3 Laws of Motion
2nd Prize	Jonathan Adams & Christopher Adams	Walkerville Primary School	Grandpa has Diabetes
3rd Prize	Ruby MacMillan & Amelia Craig	Wilderness School	What's For Dinner?
HC	Stephen Dinning	Hawthorndene Primary School	Newton
HC	Jesse Clarke	Scotch College	Colour Additives in Food
HC	Timothy Hall	St John's Grammar School	Warning Report
HC	Saujas Chanana	Walkerville Primary School	Changes in Material
HC	Assunta Lepore & Julia Scinto	Loreto College	Marine Pollution
HC	Hannah Dandie, Jiyeon Kim & Sarah Pappas	Loreto College	Forensic Science
HC	Taylah Parker, Hayley Richardson & Eloise Treadwell	Walford Anglican School For Girls	Habitat News

## Photography

### R - 2

1st Prize	Kristian Musolino	St Andrew's School	Different mirrors - different reflections
2nd Prize	Jada Puglisi	Clapham Primary School	The Science of Coastlines
3rd Prize	Nathan Johns	Burnside Primary School	Different mirrors - different reflections
3rd Prize	Phoebe Maguire	Burnside Primary School	Fantastic Plastic
HC	Ruby VanWezel	Clapham Primary School	The Science of Farming
HC	Felicity Moore	Clapham Primary School	The Science of Coastlines
HC	Jessica Mugford	Eastern Fleurieu R-12 School	The Science of Farming
HC	Isaac Cheng	St Andrew's School	Different mirrors - different reflections
HC	Tomi Weeks	St Andrew's School	Carbon Cycle
HC	Annabelle Pearce	St Andrew's School	Different mirrors - different reflections
HC	Patrick Murray	St Andrew's School	Carbon Cycle
HC	Orlando Boerth & Lachlan Boerth	St Andrew's School	The Science of Coastlines
HC	Nia Phillips	Walkerville Primary School	Reversible and irreversible changes

### 3 - 5

1st Prize	Harry Leaker	St Peter's Woodlands Grammar	Different mirrors - different reflections
2nd Prize	Noys Le Chenadec	Unley Primary School	The Science of Coastlines
3rd Prize	Georgie Thorpe	Immanuel Primary School	Different mirrors - different reflections
HC	Emma Mitchell	Glen Osmond Primary School	The Science of Farming
HC	Jessica Montgomerie	Paringa Park Primary School	Different mirrors - different reflections
HC	Rachel Brown	Paringa Park Primary School	The Science of Coastlines
HC	Dinan Perera	Prince Alfred College	Different mirrors - different reflections
HC	Dylan Worswick	Scotch College	The Science of Coastlines
HC	Paul Musolino	St Andrew's School	Reversible and irreversible changes
HC	Sebastien Scubala	St Andrew's School	Fantastic Plastic
HC	Jessenia Bursill	St Andrew's School	Carbon Cycle
HC	Zachary Whitfield	St Andrew's School	Carbon Cycle
HC	Talia Koufos	St Andrew's School	Reversible and irreversible changes
HC	Sarah Edwards	St Andrew's School	Fantastic Plastic
HC	Stephanie Whitman	St John's Grammar School	Different mirrors - different reflections
HC	Emma Neill	St John's Lutheran School - Highgate	Different mirrors - different reflections
HC	Hannah Venturi	St Peter's Woodlands Grammar	Fantastic Plastic
HC	Lauren Ward	St Peter's Woodlands Grammar	Different mirrors - different reflections
HC	Sophie Illmer & Rubi Cornish	Immanuel Primary School	Reversible and irreversible changes

### 6 - 7

1st Prize	Ashleigh Hayward, Louisa Langsford & Cherie Jansen	Wilderness School	Reversible and irreversible changes
2nd Prize	Thomas Pukkinen	Immanuel Primary School	Different mirrors - different reflections
3rd Prize	Georgia Brooksby	Clarendon Primary School	Different mirrors - different reflections
HC	Chelsea Gosling	Loreto College	The Science of Coastlines
HC	Tasha Stevens	Scott Creek Primary School	The Science of Coastlines
HC	Lily Drummond	St Peter's Woodlands Grammar	The Science of Coastlines
HC	Lily Drummond	St Peter's Woodlands Grammar	Different mirrors - different reflections
HC	Kelsey Searle	Walford Anglican School For Girls	The Science of Coastlines
HC	Courtney Pedlar	Walford Anglican School For Girls	The Science of Coastlines
HC	Benika Bhoda	Westminster School	Reversible and irreversible changes
HC	Charlotte Drew	Westminster School	The Science of Coastlines

## Posters

### R - 2

1st Prize	Jordan Lee	Magill School	Life on a Reef
2nd Prize	Alexandra Goodwin	Loreto College	Deep Sea
3rd Prize	Bridie Marshall	St John's Lutheran School - Highgate	Life on a Reef
HC	Alexandra Runjajic	Burnside Primary School	Pre-historic Australia
HC	Christopher Shearwin	Colonel Light Gardens Primary School	Life on a Reef
HC	Harjeev Singh	Dernacourt Junior Primary School	Deep Sea
HC	Balen Taylor	Dernacourt Junior Primary School	Sustainable Energy
HC	Luke Carter	Dernacourt Junior Primary School	Robotic Explorers
HC	Aleisha Trebilcock	Dernacourt Junior Primary School	
HC	Glen McInnis	Dernacourt Junior Primary School	Robotic Explorers
HC	Anook Simpson	Eden Hills Primary School	Life on a Reef
HC	Isabelle Stein	Glen Osmond Primary School	Life on a Reef
HC	Celeste Sangregorio	Loreto College	Life on a Reef
HC	Imogen Beattie	Paringa Park Primary School	Warning!
HC	Marcus Canney	Paringa Park Primary School	Pre-historic Australia
HC	Tobi Ryan	Rose Park Primary School	Life on a Reef
HC	Emily Stubbs	Seacliff Primary School	Sustainable Energy
HC	Caitlyn Randle	St Andrew's School	Deep Sea
HC	Cody McDonnell	St John the Apostle Catholic School	Deep Sea
HC	Lauren Bria	Trinity Gardens Primary School	Sustainable Energy
HC	George Austin	Walkerville Primary School	Pre-historic Australia

### 3 - 5

1st Prize	Owen Hilander	Magill School	Deep Sea
2nd Prize	Hamish Beattie	Paringa Park Primary School	Life on a Reef
3rd Prize	Thomas Wright	St Thomas School	Warning!
HC	Anise Barlow	Greenwith Primary School	Sustainable Energy
HC	Lara Guglielmucci	Highgate School	Life on a Reef
HC	Madeleine Flapper	Loreto College	Pre-historic Australia
HC	Wei - En Seet	Magill School	Pre-historic Australia
HC	Lily Pill	Paringa Park Primary School	Life on a Reef
HC	Gemma Dandie	St John's Lutheran School - Highgate	Deep Sea
HC	Mia Hillock	Unley Primary School	Pre-historic Australia
HC	Amelie Styles	Westminster School	Deep Sea
HC	Isabella Frankel & Eden Negus	Westminster School	Life on a Reef

### 6 - 7

1st Prize	Hannah Dandie	Loreto College	Warning!
2nd Prize	Stephen Dinning	Hawthorndene Primary School	Pre-historic Australia
3rd Prize	Maeve Moroney-Plouffe	St Aloysius College	Warning!
HC	William Moore	Glen Osmond Primary School	Deep Sea
HC	Omar Hilal	Redwood Park Primary School	Pre-historic Australia
HC	Anthony Ward	Redwood Park Primary School	Robotic Explorers
HC	Ryley Parish	Redwood Park Primary School	Robotic Explorers
HC	Deneka Wilson	Redwood Park Primary School	Warning!
HC	Hayley Brooks	Redwood Park Primary School	Deep Sea
HC	Omar Hilal	Redwood Park Primary School	Robotic Explorers
HC	Jordan Sims	Redwood Park Primary School	Deep Sea
HC	Brianna Cianciosi	St Aloysius College	Warning!
HC	Clare Peterson	St Aloysius College	Deep Sea

HC	Tara Murali	St Aloysius College	Warning!
HC	Sophie Bonner	St Aloysius College	Warning!
HC	Hannah Fraser	St John's Grammar School	Life on a Reef
HC	Sophie Nicholas	Walford Anglican School For Girls	Life on a Reef

## Science Writing

### R - 2

1st Prize	Larissa Whitehead	Paringa Park Primary School	Why have Marine Reserves?
2nd Prize	Isaac Pham	St Andrew's School	Why have Marine Reserves?
3rd Prize	Emma Cookson	Seacliff Primary School	Why have Marine Reserves?
HC	Isaac Ruthenbeck	Seacliff Primary School	GM Foods - are they our future?
HC	Alex Currey	Seacliff Primary School	GM Foods - are they our future?
HC	Sebastian Mallia	Seacliff Primary School	GM Foods - are they our future?
HC	Tate Dale	Seacliff Primary School	Why have Marine Reserves?
HC	Erin May	Seacliff Primary School	Why have Marine Reserves?

### 3 - 5

1st Prize	Isabelle Lilburn	Loreto College	Why have Marine Reserves?
2nd Prize	Jacob Schwarz	St John's Lutheran School - Highgate	Radiation and Communication
3rd Prize	Ben Ransom	St John's Grammar School	GM Foods - are they our future?
HC	Caitlin Lynds	Clapham Primary School	Is 50 km/hr safer than 60?
HC	Grace Pasalidis	Loreto College	Why have Marine Reserves?

### 6 - 7

1st Prize	Phoebe Spurrier	Scotch College	GM Foods - are they our future?
2nd Prize	Martin Lidums	Prince Alfred College	GM Foods - are they our future?
3rd Prize	Annabelle Hall	Walford Anglican School For Girls	Why have Marine Reserves?
HC	Isabella Scalzi	Loreto College	GM Foods - are they our future?
HC	Kee - An Seet	Magill School	Radiation and Communication
HC	Sakura Tatewaki	Para Vista Preschool - Seven	Why have Marine Reserves?
HC	Daniel Nguyen	St Patrick's Primary School	GM Foods - are they our future?
HC	Isabelle Greco	Wilderness School	GM Foods - are they our future?

## Scientific Inquiry

### R - 2

1st Prize	Henry Bagot	St Andrew's School	The Effect of Preservatives on Mould Growth in Bread
2nd Prize	Zachary McPherson & Noah Osmond-Gray	Immanuel Primary School	An Experiment About Broadbeans
3rd Prize	Tolu Oloworaran	Linden Park Primary School	Where Do Ants Live?
HC	Amelie Baker	Pulteney Grammar School	Fruit Battery Experiment
HC	Georgia Parsons	Scotch College	What happens when play dough, chocolate & water heat up & cool down?

### 3 - 5

1st Prize	Wei - En Seet & Min - En Seet	Magill School	Saliva and Starch
2nd Prize	Lucy Eichinger	Burnside Primary School	Anti-bacterial Cleaners Kill 99.9% of Germs: Fact or Fiction
3rd Prize	Jeremy Swain	St John's Lutheran School - Highgate	Separating Oil From Water
HC	Cameron Coggins	Emmanuel Christian College	Motion
HC	Cooper Barton	St Peter's Woodlands Grammar	Micropsychokinesis

## Scientific Inquiry

### 6 - 7

1st Prize	Kee - An Seet	Magill School	Natural detergents and surface tension
2nd Prize	Charlene Lee	Magill School	Optimal Thickness of Pea Straw Mulch for Efficient Moisture Management
3rd Prize	Kurtis Burmeister, Matthew Capewell- Jones & Conor Barry	Good Shepherd Lutheran School - Para Vista	Paper Plane
HC	Alex Stuart	Magill School	What Makes a Swing Go Fastest?
HC	Saad Khatri	Prince Alfred College	How temperature effects the bounce of squash balls

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](http://www.scienceawards.org.au)

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



# 8-12 SASTA OLIPHANT SCIENCE CATEGORY AWARD WINNERS

## Computer Programming & Robotics

### 8

1st Prize	James Swift	Unley High School	Wireless Surveillance Jeep
HC	Thomas Wade & Michael Workman	Emmaus Christian College	The Masseuse

### 9 - 10

1st Prize	Rhys Davies	Horizon Christian School	Science Made Fun
2nd Prize	Maria Lagana	Loreto College	Endangered Species
3rd Prize	Felix Tobin	Glenunga International High School	Our Solar Systems
			The Science of Space
HC	Furkan Umur & Hayotillo Turdiev	BURC College	Robotic Car

### 11 - 12

1st Prize	Jack Allison	Pembroke School	Wave Interference Simulator
2nd Prize	Steven Regidor-Yanez	Pembroke School	Nutti
HC	Jainil Shah	Roma Mitchell Secondary College	Ball Shooter

## Crystal Investigations

### 8

1st Prize	Bryce Tolley	Unley High School	Crystal Investigation
2nd Prize	Lilly McGavin, Chloe McGough & Sophie Sarah-Katnich	Walford Anglican School For Girls	Crystal Investigation
HC	Katie Nomikos	Walford Anglican School For Girls	Crystal Investigation

### 9 - 10

1st Prize	Tanja Sladakovic, Ashe Singde & Kaylen Walsh	Para Hills High School	Crystal Investigation
2nd Prize	Zoe Lynch, Jade Mutu & Brittany Latto	Para Hills High School	Crystal Investigation
3rd Prize	Tanis Hillmer, Zac Stewart & Josh Warner	Para Hills High School	Crystal Investigation
HC	Bano Nasiri & Rhoda Okoidigun	Para Hills High School	Crystal Investigation

## Games

### 8

1st Prize	Rachel Chalmers	Walford Anglican School For Girls	The Great Lab Rat Race
2nd Prize	Wendy Shirra & Abbey Taylor	Mitcham Girls High School	Are You A Genius?
3rd Prize	Jemma Cialini & Hannah Donald	St Peter's Collegiate Girls' School	Skeleton Snatch



## 9 - 10

1st Prize	Jessica Oates	St John's Grammar School	The World of Science
2nd Prize	Dawei Lin & Jessamy Hall	Eastern Fleurieu R-12 School	Outer Space Race
3rd Prize	Amber Wales, Ashleigh Goode & Emma Crook	Mitcham Girls High School	Symbiosis

## Models & Inventions

### 8

1st Prize	Victoria Adams, Jordan Parker & Eloise Hall	Walford Anglican School For Girls	Cold feet, no more
2nd Prize	Cameron McCormack	Westminster School	Centreless Water Turbine
3rd Prize	Sophie Muusse & Jake White	Unley High School	Electrical Energy
HC	Miki Harmston & Steph Lesmo	Mitcham Girls High School	Influenza Virus
HC	Stephen Marshall	St John's Grammar School	Electromagnetic Half Motor
HC	Olivia Teh & Danique Coolen	St Peter's Collegiate Girls' School	The Portable Solar Still
HC	Vanessa Standing, Stephanie Brownrigg & Georgia Laity	Walford Anglican School For Girls	Wheel of Fun

### 9 - 10

1st Prize	Laura Falconer	St Peter's Collegiate Girls' School	Hovercraft
2nd Prize	Jonathon Craggs	Gleeson College	Hydroelectricity
3rd Prize	Nicholas Blieschke	St John's Grammar School	Stereoscope
HC	Maria Lagana & Jenny Day	Loreto College	Structure & Function of the Human Brain
HC	Alice Robertson	Mitcham Girls High School	Ageing Tree
HC	Alexander Nicholson	St Ignatius College	Mining Temperature System
HC	Victoria Neale	St Peter's Collegiate Girls' School	Accurate Bowling Machine

### 11 - 12

1st Prize	Will Russell	St John's Grammar School	Senograph – A Gas Warning System
2nd Prize	Jack Allison	Pembroke School	Coilgun Demonstration
3rd Prize	Matthew Howe	Para Hills High School	Hovercraft Model
HC	Rhett Bunt, Scott Reardan & Kevin Cowie	Para Hills High School	Helker Helmet
HC	Mitchell Heffernan, Ashley Hoffmaier & Serkun Calkaci	Para Hills High School	Hovercraft

## Multimedia

### 8

1st Prize	Meg Anderson & Tabitha Nagel	St John's Grammar School	Centrifugals
2nd Prize	Jack Cheshire & Alistair Correll	Unley High School	Evolution Explained
3rd Prize	Jordan Collette	St John's Grammar School	Vasodilation in the fingers to assist with blood glucose testing
HC	Elly Comley & Marcus Falckh	Brighton Secondary School	Transit of Venus

### 9 - 10

1st Prize	Mitchell Horn	Gleeson College	Physics of Skateboarding
2nd Prize	India Nette & Kira Wysoke	Wilderness School	Science of Colour
3rd Prize	Joanna Unson	Gleeson College	Ultraviolet Light
HC	Jaxon Simmonds	Brighton Secondary School	Plants Are Awesome
HC	Olivia Keatch	Gleeson College	Long Sightedness
HC	Sophie Mullen	Gleeson College	Reversible and irreversible changes
HC	Sabrina Chau	St Peter's Collegiate Girls' School	Spray-on Skin by Doctor Fiona Wood
HC	Arabella Hart & Alex Skuse-Fides	Wilderness School	Anti Ageing Creams

## Photography

### 8

1st Prize	Imogen Murphy	Mitcham Girls High School	Different mirrors - different reflections
2nd Prize	Charlotte Bampton	St John's Grammar School	Carbon Cycle
3rd Prize	Erin Carnie-Bronca	The Heights School	The Science of Coastlines
HC	Sascha Moore & Jade Wallace	Eastern Fleurieu R-12 School	Reversible and irreversible changes
HC	Brayden Little	Tatachilla Lutheran College	The Science of Coastlines
HC	Stephanie Jenkins	Wilderness School	Fantastic Plastic
HC	Gabrielle Pehlivanides	Wilderness School	Reversible and irreversible changes

### 9 - 10

1st Prize	Ashleigh Burnard	St John's Grammar School	The Science of Coastlines
2nd Prize	Ashleigh Chin	Unley High School	Carbon Cycle
3rd Prize	Shannon Watts	St John's Grammar School	The Science of Coastlines
HC	Zoe Charman	Mitcham Girls High School	Carbon Cycle
HC	Elysha Glaser	Scotch College	Reversible and irreversible changes
HC	Amy Wishart & Mimi Long	St Peter's Collegiate Girls' School	Carbon Cycle
HC	Lauren Fletcher & Marie Li	Unley High School	Carbon Cycle
HC	Laura Swift	Unley High School	Carbon Cycle
HC	Chloe Manglaras	Urrbrae Agricultural High School	The Science of Coastlines

### 11 - 12

1st Prize	Scott Stevens	Glenunga International High School	The Science of Coastlines
2nd Prize	Victoria Perry	Urrbrae Agricultural High School	The Science of Farming

## Posters

### 8

1st Prize	Anna Cross	St Peter's Collegiate Girls' School	Sustainable Energy
2nd Prize	Edith Wong	St Aloysius College	Warning!
3rd Prize	Jamie Ciantar	Henley High School	Warning!
HC	Steven Yin	Christian Brothers College	Sustainable Energy
HC	Arta Hanssen	Christian Brothers College	
HC	Joel Armstrong	Christian Brothers College	Sustainable Energy
HC	Anthony Centofanti	Christian Brothers College	Robotic Explorers
HC	Tim Moyse	Eastern Fleurieu R-12 School	Deep Sea
HC	Amelia Turner	St John's Grammar School	Deep Sea
HC	Kritika Mishra	St Peter's Collegiate Girls' School	Life on a Reef
HC	Billie Lambert-Stockman	Wilderness School	Sustainable Energy

### 9 - 10

1st Prize	Sophie Fraser	St John's Grammar School	Warning!
2nd Prize	Jannah Mills	St John's Grammar School	Life on a Reef
3rd Prize	Amelia Hutchinson	Henley High School	Warning!
HC	Rebekah Gentry	Mitcham Girls High School	Deep Sea
HC	Adrian Cropley	St John's Grammar School	Robotic Explorers
HC	Brodie Watkins-Hartmann	St John's Grammar School	Robotic Explorers
HC	Eliza Atkinson	St John's Grammar School	Life on a Reef
HC	Sasha Kockan	St Peter's Collegiate Girls' School	Warning!

## Science Writing

### 8

1st Prize	Amal George	Glenunga International High School	Is 50 km/hr safer than 60?
2nd Prize	Shannon Baker	Urrbrae Agricultural High School	Is 50 km/hr safer than 60?
3rd Prize	Emily Puckridge	Walford Anglican School For Girls	Is 50 km/hr safer than 60?
HC	Aleina Dearden	Unley High School	GM Foods - are they our future?
HC	Gabriella Belperio	Wilderness School	GM Foods - are they our future?

### 9 - 10

1st Prize	Khan Pham	Norwood Morialta High School	Is 50 km/hr safer than 60?
2nd Prize	Lucinda Duxbury	Glenunga International High School	Why have Marine Reserves?
2nd Prize	Madeleine Lilburn	Loreto College	Science as a Human endeavour
HC	Aylin Akhan	BURC College	GM Foods - are they our future?
HC	Edith Caruso	Gleeson College	GM Foods - are they our future?
HC	Madeleine Lilburn	Loreto College	Radiation and Communication
HC	Alexia Pallotta	Norwood Morialta High School	Is 50 km/hr safer than 60?
HC	Saumya Chanana	St Peter's Collegiate Girls' School	GM Foods - are they our future?

### 11 - 12

1st Prize	Jadyn Sullivan	Gleeson College	Radiation and Communication
2nd Prize	Johanna Kemplay-Hill	Henley High School	GM Foods - are they our future?
HC	Luke Woolcock	Glenunga International High School	GM Foods - are they our future?

## Scientific Inquiry

### 8

1st Prize	Cameron McCormack	Westminster School	Blocking the Lines of Magnetic Force
2nd Prize	Natalie Kanter & Fiona Thoi	Glenunga International High School	Apple Preservation
3rd Prize	Elise Bassett	St Peter's Collegiate Girls' School	Food Wrapping and Fruit
HC	Michael Yick	Glenunga International High School	The Effect of Microwaved Water on Wheat Germination

### 9 - 10

1st Prize	Alexander Pham	Glenunga International High School	What's the wettest chicken?
2nd Prize	Jack Ding & Kevin Hu	Glenunga International High School	iScam (iPad 2 and iPad 1 speed comparison)
3rd Prize	Madeleine Lilburn	Loreto College	Is Hand Gel More Effective Than Soap?
HC	Ben Abanat	Emmaus Christian College	Finger Prints
HC	Jami Clark	Emmaus Christian College	Coloured Overlays
HC	Ray Li & Tiger Huang	Glenunga International High School	Testing the claims of the Coca Cola Company
HC	Aidan Patterson, Annabel Short & Angus Mills	Glenunga International High School	Does Lemon Tea Contain Caffeine?
HC	Kiara Parkinson	Kildare College	Thermal Measurements
HC	Dimity Dutch	Pulteney Grammar School	Psychosomatic - Cola Experiment
HC	Chantelle Nicholls & Sophie Rees	Walford Anglican School For Girls	Melting Point
HC	Sophia Marsh & Jasmin Manetta	Walford Anglican School For Girls	Around th Globe

### 11 - 12

1st Prize	Ali Roush	Urrbrae Agricultural High School	Impact of Biochar on the growth of wheat plants and soil activity
2nd Prize	James Cowley	Urrbrae Agricultural High School	Freezing carrots and Vitamin C Levels
3rd Prize	Elise Naumann	Para Hills High School	Nanotechnology in Cosmetics

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](http://www.scienceawards.org.au)

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



## The Advertiser School Encouragement Award

*Awarded to the best first time primary 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 Amelie Baker** – Pulteney Grammar School  
*Scientific Inquiry: Fruit Battery Experiment*
- 3-5 Lachlan Seidel, Nathan Krelshem & Luke Bastiras** – St John's Lutheran School  
*Models & Inventions: Energy Efficient Eco House*
- 6-7 Tayla Oates** – St John's Grammar School  
*Models & Inventions: The Taymascope*

## Beach Energy Prize R-12

*Awarded to the best entry with a Geosciences' theme.*

- R-2 Hannah Wegener** – St John's Lutheran School  
*Models & Inventions: Earthquakes & Fault Lines*

## Nature Foundation SA Prizes R-7

*Awarded to the most outstanding junior, primary and secondary entry with nature conservation theme.*

- R-2 Emily Fidock, Olivia Rimes & Sophie Taylor** – Loreto College  
*Models & Inventions: At the Beach*
- 3-5 Emilie Horsfall** – St John's Grammar School  
*Game: Bush Walk*
- 6-7 Taylah Parker, Hayley Richardson & Eloise Treadwell**  
– Walford Anglican School For Girls  
*Multimedia: Habitat News*

**The Advertiser**  
Make the most of every day



## R – 7 SPONSOR PRIZES

### CSIRO Education/CREST

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

Best CREST School      **Highgate School**  
Best Non-CREST School   **St Andrew's School**

### VEA Australia

*Award for high achievement in categories with a visual media focus.*

**St Andrew's School**

### Australian Society of Biochemistry & Molecular Biology

*Awarded to the best entry with a biochemistry or molecular biology theme.*

**R-2**            **Ethan Simon** – Bellevue Heights Primary School  
*Models & Inventions: DNA Model*

### The Tall Poppy Campaign

*Awarded to the best primary and secondary entries with investigation and/or research.*

**3-5**            **Min-En Seet & Wei-En Seet** – Magill School  
*Scientific Inquiry: Saliva & Starch*

## DECD Young Scientist Awards R - 7

First            **Kee-An Seet** – Magill School  
First            **Charlene Lee** – Magill School

Second        **Elliott Marshall** – St Andrew's School  
Second        **Joyce Fang & Molly Chapman** – Wilderness School

Third           **Max Kirkby** – Prince Alfred College  
Third           **Min-En Seet & Wei-En Seet** – Magill School



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## 8 – 12 SPONSOR PRIZES

### **Australian Institute of Physics**

*Awarded to the best entry with a physics theme.*

**11-12**      **Jack Allison** – Pembroke School  
*Computer Programming & Robotics: Wave Interference Simulator*

### **Collison & Co.**

*Awarded to the best entry with the most inventive design.*

**8**              **Cameron McCormack** – Westminster School  
*Models & Inventions: Centreless Water Turbine*

### **South Australian Consortium for Information Technology & Telecommunications**

*Awarded to the best entry using technology.*

**9-10**         **Joanna Unson** – Gleeson College  
*Multimedia: Ultraviolet Light*

### **Skeptics SA**

*Awarded to the entry that best critically analyses a subject.*

**9-10**         **Madeleine Lilburn** – Loreto College  
*Science Writing: Science as a Human endeavour*

### **Australasian Radiation Protection Society**

*Awarded to the most outstanding entry with a radiation protection or health physics theme.*

**11-12**         **Jadyn Sullivan** – Gleeson College  
*Science Writing: Radiation and Communication*

### **The Tall Poppy Campaign**

*Awarded to the best primary and secondary entries with investigation and/or research.*

**11-12**         **Elise Naumann** – Para Hills High School  
*Scientific Inquiry: Nanotechnology in Cosmetics*

### **Carron Calculators – Texas Instruments**

*To encourage participation, reward highly commended entries and acknowledge judges contribution.*

### **Kate Morgante and Grace Napoli**

### **CSIRO Education/CREST Award**

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

Best CREST School              **St Peter's Collegiate Girls' School**  
Best Non-CREST School      **Glenunga International High School**

### **VEA**

*Award for high achievement in categories with a visual media focus.*

### **St John's Grammar School**

## 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**            **Anna Cross** – St Peter’s Collegiate Girls’ School  
*Poster: Sustainable Energy*
- 9-10**        **Tanja Sladakovic, Ashe Singde & Kaylen Walsh** – Para Hills High School  
*Crystal Investigation*
- 11-12**      **Will Russell** – St Johns Grammar School  
*Models & Inventions: Senograph – A Gas Warning System*

## Flinders University Science Prize 8-12

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

- 11-12**      **Ali Roush** – Urrbrae Agricultural High School  
*Scientific Inquiry: Impact of Biochar on the growth of wheat plants and soil activity*

## Flinders University – School of the Environment Prize 8-12

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

- 11-12**      **Ali Roush** – Urrbrae Agricultural High School  
*Scientific Inquiry: Impact of Biochar on the growth of wheat plants and soil activity*

## Nature Foundation SA Prizes 8-12

*Awarded to the most outstanding primary and secondary entries with a nature conservation theme.*

- 8**            **Erin Carnie-Bronca** – The Heights School  
*Photography: The Science of Coastlines*
- 9-10**        **Lucinda Duxbury** – Glenunga International High School  
*Science Writing: Why have Marine Reserves?*
- 11-12**      **Johanna Kemplay-Hill** – Henley High School  
*Science Writing: GM Foods – are they our future?*

## Royal Australian Chemical Institute (SA Branch) Prize R-12

*Awarded to the most outstanding entry with a chemical theme*

- 11-12**      **James Cowley** – Urrbrae Agricultural High School  
*Scientific Inquiry: Freezing Carrots and Vitamin C Levels*

## University of Adelaide – Engineering, Computer & Mathematical Sciences Prize

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

- 8**            **Cameron McCormack** – Westminster School  
*Models & Inventions: Centreless Water Turbine*



## University of Adelaide – Faculty of Sciences Prize

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

**8**                    **Emily Puckridge** – Walford Anglican School For Girls  
*Science Writing: Is 50 km/hr safer than 60?*

## University of South Australia Prize 8-12

*Awarded to the most outstanding entry from a country school.*

**9-10**                **Rhys Davies** – Horizon Christian School  
*Computer Programming & Robotics: Science Made Fun*

## DSTO Secondary Schools Prize

**8-10**

**First**                    St John’s Grammar School  
**Second**                Glenunga International High School

**11-12**

**Equal First**            Pembroke School  
**Equal First**            Urrbrae Agricultural High School

## The Advertiser School Encouragement Award

*Awarded to the best first time secondary school with high achievement and participation across a range of categories.*

**Para Hills High School**

## DECD Young Scientist Awards 8-12

**First**                    **Will Russell** – St John’s Grammar School  
**First**                    **Ali Roush** – Urrbrae Agricultural High School

**Second**                **Jack Allison** – Pembroke School  
**Second**                **Elise Naumann** – Para Hills High School

**Third**                    **Cameron McCormack** – Westminster School  
**Third**                    **Victoria Adams, Jordan Parker & Eloise Hall**  
– Walford Anglican School For Girls



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Child Development

## Oliphant Medal

*Presented by Ms Monica Oliphant to the 2011 Oliphant Science Awards winner.*

**Nina Mao** – Glenunga International High School

## Oliphant Trophy

*For outstanding science content.  
Presented by Ms Monica Oliphant to the 2012 Oliphant Science Awards winner.*

**Will Russell** – St John's Grammar School

*Models & Inventions: Senograph – A Gas Warning System*

**Congratulations to all the winners for 2012  
and thank you all for your attendance.**

