

STS Exhibition & Presentation Day Program



- The Agora Theatre and Agora Cinema are located in the Agora Complex
- The Odeon is in Union Hall
- Signs will indicate directions to Ceremony Venues and information will also be given at the opening ceremony.

Monday 29 October 2012

8.30am to 10.00am ONLY Registration in the foyer of Union Hall

9.30am Exhibition open to invited guests, press and public in the Union Hall

10.00am – 10.30am Official opening of the Exhibition and Presentation of School Awards

Union Hall

Professor Brian McGaw,
Faculty of Science, Technology and Engineering, La Trobe University

11.15am – 12.15pm Presentation of Lower Primary and Primary Awards (Prep to Year 6)

Agora Cinema

Sections: Creative Writing, Class Projects
Presenter: Dr Christine Redman, The University of Melbourne

Agora Theatre

Sections: Inventions, Working Models, Science Photography, Video Productions (DVD), Experimental Research
Presenter: Professor Andrew Holmes, VESKI (Victorian Endowment for Science, Knowledge & Innovation), Bio21 Institute

The Odeon

Sections: Computer Programs, Games, Posters and Scientific Wall Charts
Presenter: Ms Joanne Ernest, La Trobe University

12.30pm – 1.30pm Presentation of Junior, Intermediate and Open Awards (Years 7 to 12)

Agora Cinema

Sections: Games, Video Productions (DVD), Science Photography
Presenter: Professor Pauline Yvonne Ladiges, The University of Melbourne

Agora Theatre

Sections: Experimental Research, Computer Programs
Presenter: Mr David Trotter, CSIRO Education

The Odeon

Sections: Creative Writing, Inventions, Models, Posters and Scientific Wall Charts
Presenter: Professor Rob Sheperd, The University of Melbourne, Bionics Institute

The Presentation of Awards will be completed by 1.30pm.

The above Presenters have volunteered to be part of the Science Talent Search Exhibition and Presentation Day and contribute to the success of this day. The students, teachers and the Science Talent Search Committee would like to acknowledge their commitment and involvement in science education.

Please note: The presenters listed were correct at the time of publication. Changes may be necessary due to unforeseen circumstances.

Bursary book sponsored by





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The Faculty of Science, Technology and Engineering at La Trobe University
welcomes all young scientists who are participating in the 2012 Science Talent Search.

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Contents



About the Science Talent Search	inside front cover
In Appreciation	4
School Awards	4
Agora Cinema: 11.15am – 12.15pm	5
Creative Writing – Lower Primary	5-6
Creative Writing – Primary	6-7
Class Project – Lower Primary	7-8
Class Project – Primary	8
Agora Theatre: 11.15am – 12.15pm	9
Experimental Research – Lower Primary	9
Inventions – Lower Primary	9
Working Models – Lower Primary	9-10
Science Photography – Lower Primary	10
Video Productions – Lower Primary	10-11
Experimental Research – Primary	11-12
Inventions – Primary	12
Working Models – Primary	12-13
Science Photography – Primary	13-14
Video Productions – Primary	14
The Odeon: 11.15am – 12.15pm	15
Games – Lower Primary	15
Posters & Scientific Wallcharts – Lower Primary	15-16
Games – Primary	16-17
Computer Programs – Primary	17-18
Posters & Scientific Wallcharts – Primary	18-19
Agora Cinema: 12.30pm – 1.30pm	20
Games – Junior	20-21
Science Photography – Junior	21-22
Video Productions – Junior	22-23
Games – Intermediate	23
Science Photography – Intermediate	23-24
Video Productions – Intermediate	24
Science Photography – Open	24
Video Productions – Open	24
Agora Theatre: 12.30pm – 1.30pm	25
Experimental Research – Junior	25-27
Computer Programs – Junior	28
Experimental Research – Intermediate	28-29
Computer Programs – Intermediate	29
Experimental Research – Open	29-30
The Odeon: 12.30pm – 1.30pm	31
Inventions – Junior	31
Creative Writing – Junior	31-32
Working Models – Junior	32-33
Posters & Scientific Wallcharts – Junior	34-35
Inventions – Intermediate	35
Creative Writing – Intermediate	35-36
Working Models – Intermediate	36
Posters & Scientific Wallcharts – Intermediate	37
STS Major Sponsors	38-48
Acknowledgements	49
STS Judges 2012	49-51
STS Co-ordinator reports 2012	52-55
Map of La Trobe University	inside back cover

In Appreciation

The Science Teachers' Association of Victoria Inc. and the Co-Directors of the 6 Science Talent Search are grateful to the organisations who have given generous support to this year's competition; to the STS Committee for their enthusiastic and positive approach and to Kevin Coates, together with the staff of La Trobe University, for their co-operation and organisation of the Science Talent Search Exhibition and Presentation Day at La Trobe University.

We would also like to extend our appreciation to Methodist Ladies' College, Wesley College and Santa Maria College for the use of their facilities and assistance during the judging of Posters, Photography, Videos, Games, Computers, Models, Inventions and Class Projects.

In particular we also thank Anne-Marie Williams (Methodist Ladies' College), Grant Eyles (Wesley College) and Eroia Barone-Nugent (Santa Maria College) for their work and support co-ordinating operations at the judging venues.

Finally a special thanks to all the teachers who volunteered to judge the many projects received. The judges are listed at the back of this Bursary Book.

The STS Committee

The STS Co-directors extend their thanks and appreciation to the STS committee members who worked diligently throughout the year to ensure the competition ran smoothly. Committee members are listed on page 49.

STAV Business Centre

The STS Committee would like to express its appreciation to the STAV Business Centre for their cooperation, understanding and assistance with the organisation of STS throughout the year. They have all given time willingly and have maintained their support for STS.

A very special thank you

David Trotter has once again worked tirelessly on the STS databases. David's expertise, persistence and unwavering support for STS is greatly appreciated.

STS Awards

STS School Awards

Auburn South Primary School

Sponsored by Victorian Department of Education and Early Childhood Development

Strathcona Baptist G.G.S Primary

Sponsored by BHP Billiton and CSIRO

East Doncaster Secondary College

Sponsored by Victorian Department of Education and Early Childhood Development

Methodist Ladies' College – Senior

Sponsored by BHP Billiton and CSIRO

The Hugh McKnight Encouragement Awards

Glendal Primary School

Sponsored by Victorian Department of Education and Early Childhood Development

Girton Grammar – Junior

Sponsored by BHP Billiton and CSIRO

Cheltenham Secondary College

Sponsored by Victorian Department of Education and Early Childhood Development

Fintona Girls School – Senior

Sponsored by BHP Billiton and CSIRO



Agora Cinema: 11.15am – 12.15pm

Creative Writing – Lower Primary

Major Bursary \$35

Name	School	Project Title	Sponsor
Felix Fuggle	Coburg Primary School	Splish, splash, save our watery habitats	Department of Education & Early Childhood Development
Giles Moran	Mt Eliza Primary School	Environmental sustainability in my community	Australian Skeptics Science and Education Foundation
Joshua Jinu	Heathdale Christian College	Splish, splash, save our watery habitats	BHP Billiton
Isabelle Vincenzino	Heathdale Christian College	Splish, splash, save our watery habitats	Independent Primary School Heads of Australia
Esha Bhatia	Heathdale Christian College	Splish, splash, save our watery habitats	Powercor Australia
Montana Basile	Serpell Primary School	Energy moves on an on - Alice and Banjo explore electricity	Department of Education & Early Childhood Development
Jordyn Kourmadias	Serpell Primary School	Living simply so others simply live	Dr Joy Bear
Elina Jayamanna	Serpell Primary School	Splish, splash, save our watery habitat - Greg the growling grass frog	Quantum Victoria
Elisha Cox	Serpell Primary School	'Yes we can!' said the people - our special earth	Rio Tinto Limited
Joshua Knight	Heathdale Christian College	Living simply so others simply live - save our planet	Swinburne University of Technology
Deepak Parackal	Essendon North Primary School	Living simply so others simply live	Vaisala Pty Ltd

Creative Writing – Lower Primary

Minor Bursary \$25

Name	School	Project Title	Sponsor
Lachlan Lawrence	Tucker Road Primary: Bentleigh	'Yes we can!' said the people	Department of Education & Early Childhood Development
Laetitia Ouizeman	St Joseph's School	Picture story	Catholic Education Office (Melbourne)
Kaetlyn Hughes	Overnewton Anglican Community College - Primary	Splish, splash, save our watery habitat	BHP Billiton
James Daly	Overnewton Anglican Community College - Primary	'Can we help the environment?'	The University of Melbourne (Science Education)
Sophie Xu	Essex Heights Primary School	'Yes we can!' said the people	BHP Billiton
Jemott Mohan	Glendal Primary School	'Yes we can!' said the people	Australian Skeptics Science and Education Foundation
Saloni Patkar	Glendal Primary School	Splish, splash, save our watery habitat	Australian Society for Biochemistry & Molecular Biology
Laura Kelly & Olivia Wingjan	Eltham East Primary School	Splish, splash, save our watery habitat	Vaisala Pty Ltd
Bliss Puryer	Eltham East Primary School	'Yes we can!' said the people	Yakult Aust. Pty
Aneirin Galloway McLean	Firbank Grammar School - Sandringham House	Splish, splash, save our watery habitat - a turtle's tale	Australian Society for Biochemistry & Molecular Biology
Ryan Cowley	Heathdale Christian College	Energy moves on and on	Australian Institute of Energy
Maxim Kovarskiy	Wesley College - St Kilda Road Primary	Energy moves on and on	BHP Billiton
Jenn Thoo	Serpell Primary School	Energy moves on and on - The missing solar panel	BHP Billiton
Zoe Guymer	Essex Heights Primary School	Living simply so others simply live	The Royal Society of Victoria Inc.
Lauren Mayhood	Wesley College - Junior Campus	Animals and loggers working together	The Royal Society of Victoria Inc.
Millie Wallace	Solway Primary School	Jackson's big mistake	Department of Education & Early Childhood Development

Agora Cinema: 11.15am – 12.15pm

Creative Writing – Lower Primary *(continued)*

Minor Bursary \$25

Name	School	Project Title	Sponsor
Ishani Wijeratne	Essendon North Primary School	Splish splash, save my watery habitat	BHP Billiton
Kalisha Cavanagh & Sophie O'Sullivan	Auburn South Primary School	Splish splash, save our watery habitat	Swinburne University of Technology
Charlotte Bowers & Emma Townsend	Firbank Grammar School - Turner House	Splish splash, save our watery habitat	Powercor Australia

Creative Writing – Primary

Major Bursary \$45

Name	School	Project Title	Sponsor
Flynn Grace & Oliver Hallam	St Joseph's School	'Yes we can!' said the people, "farm sustainably"	BHP Billiton
Isabella Grace & Mali Horman	St Joseph's School	'Yes we can!' said the people, "farm sustainably"	Swinburne University of Technology
Madihah Lambrias	Eltham East Primary School	Energy moves on and on	Chemistry Education Association
Amrita Saha	Glendal Primary School	'Yes we can!' said the people	Australian Society for Biochemistry & Molecular Biology
Helena Wen	Glendal Primary School	Splish, splash, save our watery habitat	Department of Education & Early Childhood Development
Daniela Edwards	Eltham East Primary School	Living simply so others simply live	Quantum Victoria
Daniel de Zylva & Hamish Maxwell	Eltham East Primary School	Energy moves on and on	BHP Billiton
Wyatt Haigh	Beaconhills College - Valley (Primary)	Saving the platypus	BHP Billiton
Connor Raselli	Monash Science Centre	Living simply so others simply live	Department of Education & Early Childhood Development
Sarah Matthews	Wesley College - Junior Campus	Energy moves on and on	The Royal Society of Victoria Inc.
Aahana Dudani	Fintona Girls School (Primary)	Let's talk about rivers	Swinburne University of Technology
Seiin Kim	Fintona Girls School (Primary)	Underwater adventure	Vaisala Pty Ltd
Hayley Duncan & Lara Norton	Fintona Girls School (Primary)	Pollution at its end	Victoria Teachers Mutual Bank
Rebecca Batrouney	Deepdene Primary School	Living simply so others can live	Swinburne University of Technology

Creative Writing – Primary

Minor Bursary \$30

Name	School	Project Title	Sponsor
Bree Griffiths	The Knox School (Primary)	Save water	Powercor Australia
Myah Newton	Overnewton Anglican Community College (Primary)	Splish, splash, save our watery habitats	Victoria University: Health, Engineering & Science
Genevieve Holden & Amelia Johnston	Our Holy Redeemer School	Energy moves on and on	BHP Billiton
Emma Veal	Our Holy Redeemer School	Splish, splash, save our watery habitats	Catholic Education Office (Melbourne)
Victoria Wingjan	Eltham East Primary School	Splish, splash, save our watery habitats	Rio Tinto Limited
Anand Gaundar & Riki Kusaka	Eltham East Primary School	'Yes we can!' said the people	Minerals Council of Australia (Victorian Division)
Hannah Ferguson & Rachel Mason	Eltham East Primary School	Splish, splash, save our watery habitats	BHP Billiton
Lucy Cripps & Beatrix Moran	Mt Eliza Primary School	Splish, splash, save our watery habitats	Department of Education & Early Childhood Development
Emily Clark	Heathdale Christian College	Splish, splash save our watery habitats	Victoria University: Health, Engineering & Science



Creative Writing – Primary *(continued)*

Minor Bursary \$30

Name	School	Project Title	Sponsor
Sarah Dickson	Heathdale Christian College	'Yes we can!' said the people	The University of Melbourne (Science Education)
Teneille Morrell	Beaconnhills College - Valley (Primary)	'Help us please!' cried the fish	Australian Skeptics Science and Education Foundation
Matthew Grigg	Beaconnhills College - Valley	Barry's bad day	BHP Billiton
Carly Wellwood	Beaconnhills College - Valley	Turtle trouble	Department of Education & Early Childhood Development
Georgia Fillingham	Beaconnhills College - Valley	Clara and Coco	Fiona Trapani
Susan Alex	Serpell Primary School	Energy moves on and on	Department of Education & Early Childhood Development
Tayla McKernan & Lily Stevens	Fintona Girls School (Primary)	Sea urchins take over	Fiona Trapani
Maiysha Moin	Fintona Girls School (Primary)	Exploring river life	BHP Billiton
Chee-Rae Loi & Madeline Pynta	Fintona Girls School (Primary)	Time is running out	BHP Billiton
Laura Daly & Madeleine Roushdy	Fintona Girls School (Primary)	Shock at the Red Sea	Yakult Australia Pty Ltd
Erin Kontaxis & Elle Xie	Fintona Girls School (Primary)	Coral is in danger	Chemistry Education Association
Ishani Shah	Fintona Girls School (Primary)	Out of balance	Minerals Council of Australia (Victorian Division)
Bronte Brown & Nivedha Seevanayagam	Fintona Girls School (Primary)	Tropical journey	BHP Billiton
Helena Chan & Sally Won	Lauriston Girls School (Primary)	Picture book	Australian Skeptics Science and Education Foundation
Emily Jinu	Heathdale Christian College	Yes we can!	BHP Billiton
Tarinya De Silva & Emily Jinu	Heathdale Christian College	It's so simple	Department of Education & Early Childhood Development
Christine Georgopoulos	Serpell Primary School	'Yes we can!' said the people	Department of Education & Early Childhood Development
Serena Kim	Carey Baptist Grammar School Donvale	Splish, splash, save our watery habitats	BHP Billiton
Hannah Bek	Chairo Christian School Cardinia (Primary)	Mummy, my pool is too small	Quantum Victoria

Class Project – Lower Primary

Major Bursary \$250

Name	School	Project Title	Sponsor
Auburn South Primary School		Where does litter come from?	BHP Billiton
Archie Abbott	MacIntyre Anderson	Emma Blakeley	Cameron Bratuskins
Scarlet Brisbane	Hugo Bromell	Ned Brown	Billy Bryan
Ethan Castellano	Nicholas Chan	Ella Crump	Ashton Castellino
Tyson Doan	Alexandra Fergusson	Abbie Fisher	Sophie Gorton
Nina Hobson	Joe Kerr	Isabella Lahanis	Hansen Liu Yuan
Jock Macpherson	Dean Malacos	Stephanie Nikou	Phoebe O'Brien
Madeleine O'Callaghan	James Rankin	Jack Roberts	Maya Charles Sedergreen
Jo Vossos	Erik Zhuang		

Agora Cinema: 11.15am – 12.15pm

Class Project – Lower Primary

Minor Bursary \$150

Name	School	Project Title	Sponsor
Hume Anglican Grammar School – Primary		Heat transfer	Victoria University: Health, Engineering & Science
Amy Allen	Joash Amarasingham	Ryan Borg	Blake Brockman
Isaac Carton	Catherine Dean	John Dhlakama	Simran Gandhi
Paris Hodge	Kiara Jarvis	Gian Martino	Brodie Melia
Jasmine Muthunamagonnage		Hamish Nair	Anthony Puglisi
Ron Punnoose	Angel Ravenhill	Gabrielle Riscica	Emanuele Robertson
Gurmehak Sandhu	Rhythm Sharma	Tommy Simpson	Ryan Sirianni
Roshni Sood	Keiran Tyssen	Chirag Wadehra	Matthew Webling
Martin Zaya			

Class Project – Primary

Major Bursary \$300

Name	School	Project Title	Sponsor
Hume Anglican Grammar School – Primary		The truth about advertising	Australian Skeptics Science and Education Foundation
Jacob Angelino	Cayleb Bevc	Teaghan Brand	Lachlan Brennan
Reily Curcio	Taylan Dirican	Tasma Eddy	Amanda Estifo
Kiara Fernando	Kimberly Grover	Jasleen Kaur	Marnie Kirby
Cameron Nix	Jacalyn Pearce	Jessie Pedron	Berkay Sahin
Callum Stuart-Smith	Yinabi Tekle	Marlan Wijesinghe	Lachlan Wilkes
Jack Wood	Sasha Zaya		

Class Project – Primary

Minor Bursary \$200

Name	School	Project Title	Sponsor
Hume Anglican Grammar School – Primary		All about compost!	Australian Society for Biochemistry & Molecular Biology
Noah Barone	Palkpreet Bath	Siddharth Chawla	Jade Curcic
Ginuli De Silva	Virada Ekanayake	Janelle Eng	Bianca Grobler
John Ismail	Thomas Johnson	Hollie Kirby	Jasper Leach
James Mariolle	Amneet Nannar	Tanatswa Nyandowe	Mitchell Prillwitz
Amanda Robson	Christina Shaji	Nimrada Silva	Hayley Stuart-Smith
Harrison Walker			
Hume Anglican Grammar School – Primary		Exploring electricity usage	The Royal Society of Victoria Inc.
Niruni Abeysirigunawardana		Dulan Ariyathilaka	Joshin Benoy
Blake Bonner	Jake Chesterton	Nicholas Distefano	Samuel Eng
Daisy Gordon	Navleen Kaur	Manik Kumar	Renee Lowrie
Ashka Murphy	Tyrone Packiaraja	Reina Punnoose	Zachery Roberts
Okan Sahin	Bhavkaran Singh	Tara Sleeman	Joel Theakstone
Kaitlyn Thomas	Sebastian Villegas	Rajveer Walia	
Lyndale Greens Primary School		The ornithologists	Department of Education & Early Childhood Development
Alaa Abdelemagid	Angel Abu Awad	Jamal Ali	Thenuri Anandawansa
Iftekhar Azizi	Yohan Chackola Chacko	Nesreen Chmait	Simone Cottee
Darius Daniel	Brodie Drew	Kyan Gorman	Kobey Hatz
Destinee Havilitana	Hannah Henry	Fahema Hussaini	Terry Ioannou
Kaylee Jukoff	Anaru Karanga Rameka Sands	Esther Kata	Lily Kato
Richard Ke	Daniel Lebedev-Robinson	Kevin Lin	Rachelle Magoga
Christopher Morel-Benoiton		Milica Popovic	Rangi Ruamoana
Pranav Sharma	Ashley Sikki	Tiana Smith	Goran Tintor
Mata Tomokino	Chloe Walker	Elbayeh Wendy	Tyrese Wickremasinghe



Experimental Research – Lower Primary

Major Bursary \$50

Name	School	Project Title	Sponsor
Patrick Wallace	Solway Primary School	Victorian seaweed for Biofuel?	The Walter and Eliza Hall Institute of Medical Research
Jem Ali - Nolan	Essendon North Primary School	Devils and domes	Department of Education & Early Childhood Development
Christopher Rozakeas	Home School Rozakeas	Biodegradable plastics	Vaisala Pty Ltd

Experimental Research – Lower Primary

Minor Bursary \$35

Name	School	Project Title	Sponsor
Caitlyn Love	Hume Anglican Grammar School - Primary	How do different liquids affect cut flowers	The Walter and Eliza Hall Institute of Medical Research
Liam Ben - Moyal	Caulfield South Primary School	Energy gas	Department of Education & Early Childhood Development
Kiara Jarvis	Hume Anglican Grammar School - Primary	No more chemicals, no more bugs	Entomological Society of Victoria Inc.
Nina Boyce	Solway Primary School	Rainwater garden	BHP Billiton
Eleanor Attwood & Isla Mc Kissock	Solway Primary School	Flower experiment	Department of Education & Early Childhood Development
Vanessa Damos	Carey Baptist Grammar School Donvale (Primary)	How much do you really know about worms?	Independent Primary School Heads of Australia

Inventions – Lower Primary

Major Bursary \$50

Name	School	Project Title	Sponsor
James Padgham	Scotch College (Junior)	Net-o-matic	Independent Primary School Heads of Australia

Inventions – Lower Primary

Minor Bursary \$35

Name	School	Project Title	Sponsor
Hugh McNamara & Noah Taylor	Auburn South Primary School	Solar panel car	Department of Education & Early Childhood Development

Working Models – Lower Primary

Major Bursary \$40

Name	School	Project Title	Sponsor
Randil Dilhara Fernando	Glendal Primary School	Simple machines	Powercor Australia
Enda Han	Glendal Primary School	Electricity	Department of Education & Early Childhood Development
Mitchell Webster	Essendon Primary School	Water cleaner	BHP Billiton
Kaitlyn Harrison	St Joseph's Catholic Primary School - Mernda	Sustainable house model	Catholic Education Office (Melbourne)

Agora Theatre: 11.15am – 12.15pm

Working Models – Lower Primary

Minor Bursary \$30

Name	School	Project Title	Sponsor
Cormac Fleming & Olivier Ouizeman	St Joseph's School	Our sustainable house	Catholic Education Office (Melbourne)
Jonathan Yung	Overnewton Anglican Community College - Primary	Build a buzzer	Victoria University: Health, Engineering & Science
Mia Kakoufas	Caulfield Grammar School - Malvern Campus	Wind turbine	Powercor Australia
Rosie Finster	Caulfield Grammar School - Malvern Campus	Using every drop	Independent Primary School Heads of Australia
Danil Yahnov	Glendal Primary School	Electricity	Fiona Trapani
Tom Jackson & Ashley Newnham	Great Ryrie Primary School	Solar land	Australian Skeptics Science and Education Foundation
Patrick O'Mara	Essex Heights Primary School	Water turbine	BHP Billiton
Flyn Graham & Francis Phillips	Solway Primary School	Stormwater	Department of Education & Early Childhood Development

Science Photography – Lower Primary

Major Bursary \$40

Name	School	Project Title	Sponsor
Natalia Kelly-Gerreyn	Glendal Primary School	The water cycle (the journey of a raindrop)	The Royal Society of Victoria Inc.
Andrew Ogden	Carey Baptist Grammar School Donvale	Hostile environments	Independent Primary School Heads of Australia

Science Photography – Lower Primary

Minor Bursary \$30

Name	School	Project Title	Sponsor
Haresh Loganathan	Glendal Primary School	Relationships	Department of Education & Early Childhood Development
Max Forthun	Wesley College - Junior Campus	Coloured flowers	Department of Education & Early Childhood Development
Andrew Nicolettou	Wesley College - Junior Campus	Caring for our environment around the home	Independent Primary School Heads of Australia
Jem Ali-Nolan	Essendon North Primary School	The life cycle of cumulus	Powercor Australia

Video Productions – Lower Primary

Major Bursary \$40

Name	School	Project Title	Sponsor
William Pfeiffer	Caulfield South Primary School	The effects of saving water at home and on the whole environment	Department of Education & Early Childhood Development
James O'Mara	Essex Heights Primary School	Fire sticks	BHP Billiton



Video Productions – Lower Primary

Minor Bursary \$30

Name	School	Project Title	Sponsor
Mia Agnew	Wesley College - Junior Campus	Where have all the butterflies gone?	Field Naturalists Club of Victoria
Jessica Harding	Wesley College - Junior Campus	Recycling	The Royal Society of Victoria Inc.
Finn Keighley	Solway Primary School	The boy and the fish	Field Naturalists Club of Victoria
Zak Lane & Freddie Thorpe	Solway Primary School	The knight and the sword	Department of Education & Early Childhood Development

Experimental Research – Primary

Major Bursary \$55

Name	School	Project Title	Sponsor
Anand Bharadwaj	Trinity Grammar School - Junior	The existence of harmful bacteria in our environment	The Walter and Eliza Hall Institute of Medical Research
Ikya Thearam	Monash Science Centre	My carbon footprint	Department of Education & Early Childhood Development
Joshua Van De Ven	Camelot Rise Primary School	Does playing computer games affect your reaction time?	BHP Billiton
Helia Hoseinnezhad	Camelot Rise Primary School	Can we use thermoelectric cells for energy harvesting?	Powercor Australia
Keely Wright	Beaconhills College - Valley (Primary)	What liquid can plants survive on?	Australian Skeptics Science and Education Foundation
Ella Yoannidis	Serpell Primary School	How fast does fruit/vegetables decompose	The Walter and Eliza Hall Institute of Medical Research
Hayden Lee	Carey Baptist Grammar School	How cool is a rooftop garden?	The Royal Society of Victoria Inc.
Stephanie Hayes	Strathcona baptist G.G.S - Primary	What type of bread goes mouldy first?	Australian Skeptics Science and Education Foundation

Experimental Research – Primary

Minor Bursary \$40

Name	School	Project Title	Sponsor
Dylan Fraser	Scotch College (Junior)	Do whitening toothpastes work?	The Walter and Eliza Hall Institute of Medical Research
Sean Ford	Glendal Primary School	Which metal conducts electricity the best?	Powercor Australia
Ben Walkinson	Beaconhills College - Valley (Primary)	Potatoes, kiwi fruit and lemons - which produces more current?	Yakult Australia Pty Ltd
Sashka Samarawickrama	Serpell Primary School	Sustainability of Seafood	Department of Education & Early Childhood Development
Nicholas Browne	Wesley College (Junior Campus)	Photosynthesis	Australian Society for Biochemistry & Molecular Biology
Tiana Litchfield	Deepdene Primary School	Investigating the relationship between fitness and concentration	Department of Education & Early Childhood Development
Ella Crosby & Navya Kataria	Ruyton Girls' School (Primary)	Which type of material is the most flammable?	Australian Skeptics Science and Education Foundation
Constance Ivanciv & Adeline Trieu	Ruyton Girls' School (Primary)	Hubba bubba bubbles	Swinburne University of Technology
Jessica Clarke & Hannah Worley	Ruyton Girls' School (Primary)	How to keep strawberries fresh	Australian Society for Biochemistry & Molecular Biology
Thomas Plant - Chaney	Firbank Grammar School - Sandringham House	Wind and solar power comparison	In Memory of Eileen Goodfield & Dorothy Dalton
Angela Chau & Vinhara Goonesekra	Ruyton Girls' School (Primary)	Grumpy old dads	Australian Skeptics Science and Education Foundation
Florrie McKay & Madison Melton	Ruyton Girls' School (Primary)	How much does your kick and pull contribute to your swimming times?	Vaisala Pty Ltd

Agora Theatre: 11.15am – 12.15pm

Experimental Research – Primary *(continued)*

Minor Bursary \$40

Name	School	Project Title	Sponsor
Demi Markakis	St Catherine's School (Junior)	Absorption wonders	The Royal Society of Victoria Inc.
Rachel Cordeiro & Krystal Ha	Strathcona Baptist G.G.S (Primary)	Lunchbox dilemma: organic or not?	Independent Primary School Heads of Australia
Emma Petrie	Strathcona Baptist G.G.S (Primary)	Bought vs homemade: Which cake really lasts the longest?	Australian Skeptics Science and Education Foundation
Zoe Walsh	Strathcona Baptist G.G.S (Primary)	How does grass grow best?	BHP Billiton

Inventions – Primary

Major Bursary \$55

Name	School	Project Title	Sponsor
Harrison Waller	Girton Grammar School (Junior)	The pipe detector	Victoria University: Health, Engineering & Science
Ben Neale	Carey Baptist Grammar School Donvale	Solar powered water wheel	BHP Billiton
Nicci Marie Dimatos	Strathcona Baptist G.G.S (Primary)	Detachable bag wheels	Independent Primary School Heads of Australia

Inventions – Primary

Minor Bursary \$40

Name	School	Project Title	Sponsor
Samuel Maw & Ethan Waller	Girton Grammar School (Junior)	Light-up mailbox	Australian Skeptics Science and Education Foundation
Annabelle Conron	Wesley College - St Kilda Road Primary	Plant feeder	BHP Billiton
Anita La Terra & Milo Marchiori	Wesley College - St Kilda Road Primary	The future of F1 racing	Rio Tinto Limited
Karly Browne & Elspeth Mc Kissock	Solway Primary School	Street light energy saver	Australian Skeptics Science and Education Foundation
Benjamin Huntsman & Kevin Seo	Wesley College - St Kilda Road Primary	MTT	The Royal Society of Victoria Inc.

Working Models – Primary

Major Bursary \$50

Name	School	Project Title	Sponsor
Joseph Battaglini & Kayden Verhagen	The Knox School (Primary)	Microfibre removal	Rio Tinto Limited
James Gunasegaram	Camberwell Grammar School (Primary)	PV cells - sustainability	Swinburne University of Technology
Will Dixon	Scotch College (Junior)	Magnetic wind turbine	BHP Billiton
Caitlin Wakefield	Glendal Primary School	Hydro-electricity	Department of Education & Early Childhood Development
Jack Carthew & Vishmidhan Ravindrababu	Huntingtower School (Primary)	Generator	Independent Primary School Heads of Australia
Emily Doyle	Solway Primary School	Hot and cold	Australian Institute of Energy
Alex Booker	Essendon North Primary School	Aquaponic garden	Australian Skeptics Science and Education Foundation
Sophie King & Clare Terry	Strathcona Baptist G.G.S (Primary)	Scientific sundials at sunrise	Australian Skeptics Science and Education Foundation



Working Models – Primary

Minor Bursary \$35

Name	School	Project Title	Sponsor
Gabriel Simeone	Clifton Hill Primary School	Solar rocks	Department of Education & Early Childhood Development
Alex Chan & Sebastian Wickert	The Knox School (Primary)	The amazing fan	Independent Primary School Heads of Australia
Joanna Newton	Hume Anglican Grammar School (Primary)	Eco 75	Victoria University: Health, Engineering & Science
Benjamin Merakis	Overnewton Anglican Community College (Primary)	Rope water pump, solar powered	Victoria University: Health, Engineering & Science
Dean Roff & Eddie Xu	Camberwell Grammar School Primary	Hydro electric power station	Rio Tinto Limited
Chantelle Ly	Glendal Primary School	An elevator	Powercor Australia
Thomas Pang	Glendal Primary School	Electromagnet	Department of Education & Early Childhood Development
Sankalpa Gamage	Girton Grammar School (Junior)	The ear and balance	Victoria University: Health, Engineering & Science
Liam Radford	Girton Grammar School (Junior)	Speed kills - wipe off 5	Australian Skeptics Science and Education Foundation
Madeleine Hope & Ruby McCubbin	Girton Grammar School (Junior)	Poppet head	Independent Primary School Heads of Australia
Catherine Rosero	Serpell Primary School	Energy efficient buildings	BHP Billiton
Joseph Davies	Wesley College - Junior Campus	Comparing different types of home made electric motors	Independent Primary School Heads of Australia
Ivan Glavinic & Petar Glavinic	Valkstone Primary School	Innovative transport	Australian Skeptics Science and Education Foundation
Michael Doyle	Solway Primary School	Desalination	Department of Education & Early Childhood Development
Sen Ali-Nolan	Essendon North Primary School	Solar thermal power station	The Royal Society of Victoria Inc.
Sean Ang & Lachie Doig	Deepdene Primary School	Space	Yakult Australia Pty Ltd

Science Photography – Primary

Major Bursary \$50

Name	School	Project Title	Sponsor
Rohan Ghosh	Glendal Primary School	Fungi	Department of Education & Early Childhood Development
Shin En (Belinda) Tan	Glendal Primary School	Sea shells	Australian Society for Biochemistry & Molecular Biology
Ella Grace Innes & Alexandra Poynton	Methodist Ladies College - Junior School	Reacting red cabbage	Rio Tinto Limited

Agora Theatre: 11.15am – 12.15pm

Science Photography – Primary

Minor Bursary \$35

Name	School	Project Title	Sponsor
Madison Daffy & Tara Durkin	Our Holy Redeemer School	Phases of the moon	Catholic Education Office (Melbourne)
Charuka Wijeratne	Glendal Primary School	Rocks and minerals	Minerals Council of Australia (Victorian Division)
Joel Forthun	Wesley College - Junior Campus	Growing mould	Australian Society for Biochemistry & Molecular Biology
Abbey Turner	Carey Baptist Grammar School Donvale	Wonderful worm farms	BHP Billiton
Sally Rechner	Carey Baptist Grammar School Donvale	Princess Margaret rose caves	Independent Primary School Heads of Australia
Riley Arnold	Carey Baptist Grammar School Donvale	Sustainability on the farm	Yakult Australia Pty Ltd

Video Productions – Primary

Major Bursary \$50

Name	School	Project Title	Sponsor
Samuel Garrard & Jamie Steverlynck	Camberwell Grammar School (Primary)	Environmental sustainability	Minerals Council of Australia (Victorian Division)
Memphis Yong	Camberwell Grammar School (Primary)	Sustainability and environment	Swinburne University of Technology
Olivia Mattiske & Rivani Porwal	Girton Grammar School (Junior)	Power of food	Victoria University: Health, Engineering & Science

Video Productions – Primary

Minor Bursary \$35

Name	School	Project Title	Sponsor
Nicholas Dugdale	Caulfield Grammar School Malvern Campus	Diet coke and mentos experiment	Department of Education & Early Childhood Development
Alexi Ginis	Girton Grammar School (Junior)	Energy saving houses	Victoria University: Health, Engineering & Science
Wylie Siassios	Wesley College (Junior Campus)	Sustaining the environment is not a new concept at our house	Vaisala Pty Ltd



Games – Lower Primary

Major Bursary \$40

Name	School	Project Title	Sponsor
Sara Grinberg & Romy Kirkham	Caulfield South Primary School	Save our world	Australian Skeptics Science and Education Foundation
Sasha Girski & Felicity Siegenthaler	Camelot Rise Primary School	Environmental game	Department of Education & Early Childhood Development
Sherman Tseng	Carey Baptist Grammar School Donvale	Sherman green challenge	Independent Primary School Heads of Australia
Flynn MacKay	Auburn South Primary School	The big splash	Powercor Australia

Games – Lower Primary

Minor Bursary \$30

Name	School	Project Title	Sponsor
Francesca Butterworth	Overnewton Anglican Community College (Primary)	Earth keeper	Victoria University: Health, Engineering & Science
Emma Galacho & Emma Ruff	Overnewton Anglican Community College (Primary)	Be friendly to the environment	Victoria University: Health, Engineering & Science
Amelia Hyde	Caulfield South Primary School	Home sustainability and your environment	Yakult Australia Ltd
Madeleine Willshire	Glendal Primary School	Underwater marine life	The Royal Society of Victoria Inc.
Kaven Ratnanesan	Glendal Primary School	Marine animals	Swinburne University of Technology
Lasya Kondur	Glendal Primary School	Rocks and minerals	Department of Education & Early Childhood Development
Sinthugaah Senthilmohan	Glendal Primary School	The skeleton	Rio Tinto Limited
Ethan Jayamanna	Serpell Primary School	Solar rev: solar cars 2012	Quantum Victoria
Callum Thorpe	Solway Primary School	Mendeleev's map	Chemistry Education Association
Rebecca Whateley	Solway Primary School	Talking rubbish	Department of Education & Early Childhood Development
Joe Cunningham	Deepdene Primary School	Periodic table/top trumps	Department of Education & Early Childhood Development
Edwin Nguyen	Essex Heights Primary School	Enviro-lab	Rio Tinto Limited

Posters & Scientific Wall Charts – Lower Primary

Major Bursary \$35

Name	School	Project Title	Sponsor
Liam Armstrong	Overnewton Anglican Community College (Primary)	Environmental sustainability in my community	Victoria University: Health, Engineering & Science
Jordana Marks & Sara Pisacane	Caulfield South Primary School	Environmentally sustainable ocean life	Dr Joy Bear
Charlotte Evans	Glendal Primary School	Environmental sustainability in my community	Department of Education & Early Childhood Development
Natalie Coman	Firbank Grammar School - Sandringham House	Environmental sustainability in my community	Australian Skeptics Science and Education Foundation
James Butler	Camelot Rise Primary School	The world of sustainable transport	Department of Education & Early Childhood Development
Megan Kuo	Serpell Primary School	Friendly energy in my community	Australian Skeptics Science and Education Foundation
Jackson Eadon	Macedon Grammar School	Environmentally sustainable ocean life	Victoria University: Health, Engineering & Science
Sarah Ecker	Macedon Grammar School	Environmental sustainability in our community	Independent Primary School Heads of Australia

The Odeon: 11.15am – 12.15pm

Posters & Scientific Wall Charts – Lower Primary

Minor Bursary \$30

Name	School	Project Title	Sponsor
Stephanie Kondopoulos	Tucker Road Primary - Bentleigh	Environmentally sustainable transport	Department of Education & Early Childhood Development
Joel Brandt	Overnewton Anglican Community College (Primary)	Environmental sustainability in my community	Quantum Victoria
Liana Kelemen & Kveta Scout Squire	Caulfield South Primary School	Environmentally sustainable ocean life	Rio Tinto Limited
Amelia Page & Mayani Wise	Caulfield South Primary School	Environmentally sustainable ocean life: reef recovery	Quantum Victoria
Jasmine Feder & Claudia Gerbic	Caulfield South Primary School	Our ocean odyssey	Powercor Australia
Jasmine Beer	Overnewton Anglican Community College (Primary)	Ocean life needs your help!	Independent Primary School Heads of Australia
Stephanie Micallef	Overnewton Anglican Community College (Primary)	Environmentally sustainable ocean life	Victoria University: Health, Engineering & Science
Tom Farrer	Scotch College (Junior)	Environmental sustainability in my community	Field Naturalists Club of Victoria
Rachel Tan	Glendal Primary School	Environmental sustainability in my Community	BHP Billiton
Liyara Weerasinghe	Serpell Primary School	Environmentally sustainable ocean life	Department of Education & Early Childhood Development
Lynette Kock	Serpell Primary School	Environmentally sustainable ocean life	Australian Society for Biochemistry & Molecular Biology
Dylan Chi	Serpell Primary School	Water pollution and its effects on sea turtles	Australian Skeptics Science and Education Foundation
William Davies	Wesley College - Junior Campus	How does home grown food help a community become sustainable?	Independent Primary School Heads of Australia
Patrick Bren - Clarke	Macedon Grammar School	Environmentally sustainable transport	Swinburne University of Technology
Zara D'Souza	Macedon Grammar School	Environmentally sustainable ocean life	Victoria University: Health, Engineering & Science
Annaliese Suhr	Auburn South Primary School	Protecting dolphins	The Royal Society of Victoria Inc.

Games – Primary

Major Bursary \$50

Name	School	Project Title	Sponsor
Ruby Keeble	Fintona Girls School (Primary)	Tornado mania	Victoria Teachers Mutual Bank
Gayatri Chaturvedi	Fintona Girls School (Primary)	Notorious natural disasters	The University of Melbourne (Science Education)
Tyrone Packiaraja	Hume Anglican Grammar (Primary)	Green track	Victoria University: Health, School Engineering & Science
Aleyna Ercan & Paris Lovett	Fintona Girls School (Primary)	Tricky tornadoes	Vaisala Pty Ltd
Katerina Anastasiou	Fintona Girls School (Primary)	The ship of dreams	Independent Primary School Heads of Australia
Ellen Carse & Kate Leyden	Roberts McCubbin Primary School	How long can you survive?	Department of Education & Early Childhood Development
Shayaki Niranjan & Natalie Yu	Camelot Rise Primary	Eco-friendly	Department of Education & Early Childhood Development
Anastasia Polesskiy Sarah Sathyaseelan	Camelot Rise Primary	One world	Australian Skeptics Science and Education Foundation
Kasha Fountain	Wesley College - Junior Campus	Sustainability and the environment	Powercor Australia
Amy Montgomery & Madeleine Phillips	Strathcona Baptist G.G.S - Primary	The flower game	Independent Primary School Heads of Australia



The Odeon: 11.15am – 12.15pm

Games – Primary

Minor Bursary \$35

Name	School	Project Title	Sponsor
Lauren Guerra	The Knox School (Primary)	The amazing rubbish race	Vaisala Pty Ltd
Molly Horan & Rose O' Brien	Fintona Girls School (Primary)	Fire frenzy	Rio Tinto Limited
Elly Chen & Pollyanna Dowell	Fintona Girls School (Primary)	Super science V's nasty nature	Quantum Victoria
Emily Lam	Fintona Girls School (Primary)	Solar flare	Independent Primary School Heads of Australia
Serena Wang	Fintona Girls School (Primary)	Meteor mad	Powercor Australia
Louiza Bakas & Isabelle Chen	Fintona Girls School (Primary)	Bushfire and beyond	Vaisala Pty Ltd
Isabella Butterworth	Overnewton Anglican Community College (Primary)	Bump your footprint	Victoria University: Health, Engineering & Science
Sam Halford & Maxim Squire	Caulfield South Primary School	Fun down under	Swinburne University of Technology
Laura Ellenbogen & Susanna Gao	Caulfield South Primary School	Saving the seas	Department of Education & Early Childhood Development
Nikkita Chandnani & Esther Zhao	Fintona Girls School (Primary)	Abominable avalanches	Independent Primary School Heads of Australia
Jonathan Ciccone	Overnewton Anglican Community College (Primary)	Energise me	Victoria University: Health, Engineering & Science
Kannan Chockalingam	Camberwell Grammar School Primary	Save today	Powercor Australia
Nathan Chan	Scotch College (Junior)	Atmosphere	Independent Primary School Heads of Australia
Olivia Schonfelder & Elle Vanden Boom	Our Holy Redeemer School	Fishy fun	Australian Skeptics Science and Education Foundation
Ellie Dickinson & Harriette Singh	Our Holy Redeemer School	Save our earth	Catholic Education Office (Melbourne)
Phoebe Hwong	Glendal Primary School	Marine animals	Victoria Teachers Mutual Bank
Elly Rogers	Serpell Primary School	2040 World destruction	Department of Education & Early Childhood Development
Annie Liu & Vidya Satyajit	Lauriston Girls School (Primary)	Game	Independent Primary School Heads of Australia
Megan Parry	Solway Primary School	Carbon challenge	Australian Institute of Energy
Will Rozet	Carey Baptist Grammar School Donvale	Pollution solution	The Royal Society of Victoria Inc.

Computer Programs – Primary

Major Bursary \$50

Name	School	Project Title	Sponsor
Michael Zhao	Roberts McCubbin Primary School	How much greenhouse gas has your car emitted?	Australian Institute of Energy
Sean Boettger	Camelot Rise Primary School	Evolution: A production of the future	Independent Primary School Heads of Australia
Finn Mezzetti	Solway Primary School	How to save the planet	Department of Education & Early Childhood Development
Michael Catley	Carey Baptist Grammar School Donvale	Saving power in your home	Vaisala Pty Ltd

The Odeon: 11.15am – 12.15pm

Computer Programs – Primary

Minor Bursary \$35

Name	School	Project Title	Sponsor
Joshua Harper	Trinity Grammar School - Junior	Terrestrial greenhouses	Australian Society for Biochemistry & Molecular Biology
Jack Hughes	Camberwell Grammar School (Primary)	Sustainability	Powercor Australia
Nivethan Iyer	Glendal Primary School	Sustainability of transport	Australian Skeptics Science and Education Foundation

Posters & Scientific Wall Charts – Primary

Major Bursary \$45

Name	School	Project Title	Sponsor
Zun De Kai Sim	Clifton Hill Primary School	Environmentally sustainable ocean life	Department of Education & Early Childhood Development
Andrew Lim	Trinity Grammer School - Junior	Harnessing solar energy	Minerals Council of Australia (Victorian Division)
Rhiannon Wilson	Methodist Ladies College Junior school	Environmentally sustainable ocean life	Vaisala Pty Ltd
Taliesin Galloway McLean	Firbank Grammar School Sandringham House	Environmentally sustainable ocean	Independent Primary School Heads of Australia
Jonathan Coman	Firbank Grammar School Sandringham House	Environmentally sustainable tourism in the himalayas	Australian Skeptics Science and Education Foundation
Humdaan Hafeez	Serpell Primary School	Environmental sustainability in my community - (A lesson learnt from Pakistan)	Department of Education & Early Childhood Development
Livinia Gogos	Serpell Primary School	Environmentally sustainable transport - hybrid cars	Powercor Australia
Isaac Zhao	Wesley College - Junior Campus	Environmentally sustainable transport	Quantum Victoria
Remy Burns	Wesley College - Junior Campus	How important is the ozone layer?	Rio Tinto Limited
Shyla-Lee McPhail	Macedon Grammar School	Environmentally sustainable transport	Victoria University: Health, Engineering & Science

Posters & Scientific Wall Charts – Primary

Minor Bursary \$35

Name	School	Project Title	Sponsor
Amy Jackson & Siobhan Paterson	Tucker Road Primary - Bentleigh	Environmentally sustainable ocean life	BHP Billiton
Luka Dickson	Clifton Hill Primary School	Environmentally sustainable ocean life	Department of Education & Early Childhood Development
Alexander Ciccone	Overnewton Anglican Community College - Primary	Environmental sustainability transport	Victoria University: Health, Engineering & Science
Aedan Gordon	Caulfield South Primary School	Marine Sustainability - sustainable seafood	Vaisala Pty Ltd
Manveen Kaur	Glendal Primary School	Environmentally sustainable ocean life	The Royal Society of Victoria Inc.
Anneliese Gray & Megan Maxwell	Eltham East Primary School	Environmental sustainability in our environment	Swinburne University of Technology
Amethyst Gratton & Jessica Weale	Eltham East Primary School	Environmental sustainability in my community	Department of Education & Early Childhood Development
Joshua Savage & Samuel Savage	Mt Eliza Primary School	Environmentally sustainable ocean life	Department of Education & Early Childhood Development
Konrad Reich	Serpell Primary School	Environmental sustainability in my community	Field Naturalists Club of Victoria
Sobi Arulampalam	Wesley College - Junior Campus	What happens to our recycled waste?	Chemistry Education Association



Posters & Scientific Wall Charts – Primary *(continued)*

Minor Bursary \$35

Name	School	Project Title	Sponsor
Milly Mulcahy & Tiffany Nichols	Lauriston Girls School (Primary)	Poster	Australian Skeptics Science and Education Foundation
Emma Rica & Lucy Roper	Lauriston Girls School (Primary)	Poster	BHP Billiton
Karli Wildemast	Macedon Grammar School community	Environmental sustainability In my community	Victoria University: Health, Engineering & Science
Kami Schowalter	Macedon Grammar School	Environmental sustainability in my community	Yakult Australia Ltd
Teya D'Souza	Macedon Grammar School	Environmentally sustainable ocean life	Victoria Teachers Mutual Bank
Samantha Kennedy Cardinia (Primary)	Chairo Christian School	Environmental transport heads of Australia	Independent Primary School
Annabel Valena	Methodist Ladies' College (Junior school)	Research on impact of dredging on the bay	Quantum Victoria
Katja Curtin	Flemington Primary School community	Environmental sustainability in my & early childhood development	Department of Education
Isabelle Gough	St Catherine's School (Junior)	Environmentally sustainable ocean life	Vaisala Pty Ltd
Declan Croucher	Carey Baptist Grammar School Donvale	Environmental sustainability in our community	Rio Tinto Limited
April Wainer	Carey Baptist Grammar School Donvale	No fishing zones - making fishing better	The Royal Society of Victoria Inc.

Agora Cinema: 12.30pm – 1.30pm

Games – Junior

Major Bursary \$55

Name	School	Project Title	Sponsor
William Augier	Brunswick Secondary College	Green cities	Victoria University: Health, Engineering & Science
Olivia Kurczycki	Methodist Ladies' College: Senior School	Home sustainability and the environment	Powercor Australia
Mollie Moloney	Santa Maria College	Battle of the greenhouses	Catholic Education Office (Melbourne)
Charlotte Crawford - Shires & Joan Zwar	Fintona Girls School (Senior Secondary)	Going, going, gone	Australian Skeptics Science and Education Foundation
Madison Jones	Tintern Girls Grammar School Secondary	Mino	Powercor Australia
Jess Fung & Joanna Huang	East Doncaster Secondary College	Aqua + pollution Childhood Development	Department of Education & Early Childhood Development
Kalindu Godellewatte	Yarra Valley Grammar School	Sustainability	Rio Tinto Limited
Benjamin James	St Kevin's College - Secondary	Challenging climate change	Catholic Education Office (Melbourne)
Angus Tighe	St Kevin's College - Secondary	Cycle of life	Vaisala Pty Ltd
Helena Phimister	Shelford Girls Grammar (Secondary)	Sustain and remain	Yakult Australia Ltd

Games – Junior

Minor Bursary \$40

Name	School	Project Title	Sponsor
B. J. Anania Inc.	Brunswick Secondary College	Pollution trip	The Royal Society of Victoria
Daniel Johns	Brunswick Secondary College	Energy build	Victoria University: Health, Engineering & Science
Tina Manoussakis	Methodist Ladies' College Senior School	Sustainability discovery	Swinburne University of Technology
Charlotte Bowra	Methodist Ladies' College Senior School	Pongy pollution	Australian Skeptics Science and Education Foundation
Matt Kaal	Kew High School	Healthy or not	Department of Education & Early Childhood Development
Julian Bianco & Aiden Hrup	Parade College	Endangered species game	Catholic Education Office (Melbourne)
Marie Elise McCallum	Santa Maria College	Panda pause	Quantum Victoria
Daniella Catalano	Santa Maria College	Nuclear power plant disaster	Powercor Australia
Lucinda Trengove	Santa Maria College chicken pox	All you want to know about	Catholic Education Office (Melbourne)
Emily Davison & Teresa Weng	Flinders Christian Community College (Carrum Downs)	Save the world with thirty one questions	Victoria University: Health, Engineering & Science
Bridget Nugent & Anastasia Yannopoulos	Methodist Ladies' College Senior School	The revolution of evolution	BHP Billiton
Georgia Karklins	Box Hill High School	Animal memory challenge	Department of Education & Early Childhood Development
Rebecca Lawson	Box Hill High School	Who's not sustainable?	Dr Joy Bear
Julia Avakian	Firbank Grammar School	Sustainability around the Wworld	Powercor Australia
Kithmini Atapattu & Meredyth Lee	Fintona Girls School (Senior Secondary)	Famous scientists' trivia games	Rio Tinto Limited
Sarah Jacob & Chelsea Wong	Fintona Girls School (Senior Secondary)	Make it a better place	Australian Skeptics Science and Education Foundation
Maria Liousas & Tilly Monagle	Mentone Girls' Grammar Secondary School	Clean 'n' green	Australian Skeptics Science and Education Foundation
Kate Pease	Mentone Girls' Grammar Secondary School	Arctic adventure	Swinburne University of Technology



Games – Junior (continued)

Minor Bursary \$40

Name	School	Project Title	Sponsor
Nick Hora & Sam Window	Xavier College, Burke Hall Campus	Eco frenzy	Australian Skeptics Science and Education Foundation
Emma Pearson	St Leonard's College Brighton (Secondary)	Save the Great Barrier Reef	Rio Tinto Limited
Margot Bell	Firbank Grammar School	Sustain-a-rama	Australian Skeptics Science and Education Foundation
Cecilia Rafanan	Caroline Chisholm Catholic College	Build your own sustainable city	BHP Billiton

Science Photography – Junior

Major Bursary \$55

Name	School	Project Title	Sponsor
Tara Jadwani - Bungar	Methodist Ladies' College Senior School	Capillary action in celery	Australian Society for Biochemistry & Molecular Biology
Sarah Whitaker	Methodist Ladies' College Senior School	Sailing techniques	Powercor Australia
Alexandra Lloyd	Methodist Ladies' College Senior School	An alpine surprise!	Vaisala Pty Ltd
Izabella Kendall	Sacred Heart Girls College	Nature's canvas	Catholic Education Office (Melbourne)
Stephanie Dimattia	Santa Maria College	Air pollution	Catholic Education Office (Melbourne)
Aidan Burke	University High School - GTAC	Apple oxidation	Department of Education & Early Childhood Development
Luke Macaronas	St Kevin's College (Secondary)	Fractals in nature	Catholic Education Office (Melbourne)
Ella Baldwin	Shelford Girls Grammar (Secondary)	Wood combustion	Rio Tinto Limited

Science Photography – Junior

Minor Bursary \$40

Name	School	Project Title	Sponsor
Sylvia Beharis	Methodist Ladies' College Senior School	The hazy shades of green	Powercor Australia
Annabel Hartmanis & Jasmine Moses	Methodist Ladies' College Senior School	Carbon emissions of transport	Australian Skeptics Science and Education Foundation
Bonnie Funnell	Methodist Ladies' College Senior School	Autumn leaves	Quantum Victoria
Lachlan Reeve	De La Salle College (Secondary)	Exploring power production	Catholic Education Office (Melbourne)
Heng Lin Ooi & Morgan Trencher	Kew High School	Colour blindness	Australian Society for Biochemistry & Molecular Biology
Emma Crawley	East Doncaster Secondary College	Photography	Department of Education & Early Childhood Development
Brigita Vladica	University High School - GTAC	Bacteria strains - What's the difference?	Department of Education & Early Childhood Development
Sara Draca	University High School - GTAC	How do copper sulfate crystals form?	Chemistry Education Association
Elizabeth Scott	Firbank Grammar School	Reducing the carbon footprint	Australian Institute of Energy
Chloe Li & Annie Rehe	Fintona Girls School (Senior Secondary)	Moon phases	Australian Skeptics Science and Education Foundation
Michael Rowles	Braemar College (Secondary)	Solar energy	Victoria University: Health, Engineering & Science

Agora Cinema: 12.30pm – 1.30pm

Science Photography – Junior *(continued)*

Minor Bursary \$40

Name	School	Project Title	Sponsor
Ashlyn Withers	Lilydale High School	Bower bird habitat	Department of Education & Early Childhood Development
Alyssa Anderson	Mentone Girls' Grammar Secondary School	Pollution	Victoria Teachers Mutual Bank
Cassie Sneikus	Mentone Girls' Grammar Secondary School	The essence of autumn	Department of Education & Early Childhood Development
Darcey Neate	St Leonard's College Brighton Secondary	The life of a rose	Field Naturalists Club of Victoria
Anushka Ranjit Gajendra	Mount Waverley Secondary College (Junior School)	Weathering and erosion of rock	Department of Education & Early Childhood Development

Video Productions – Junior

Major Bursary \$55

Name	School	Project Title	Sponsor
Joshua Bek	Chairo Christian School Cardinia (Secondary)	Weird science: cordyceps sinensis	Swinburne University of Technology
Matthew Ray & Thomas Siedle	Mentone Grammar School (Senior)	Corn goo	Quantum Victoria
Ayla Edwards & Alison Wells	Fintona Girls School (Senior Secondary)	The bubblegum investigation	Chemistry Education Association
Angshu Madge	St Josephs College Mildura	Water resources in the Mallee region	Catholic Education Office (Melbourne)
Hayley Charlton	Mentone Girls' Grammar Secondary School	Stormwater drains and the consequences of littering	The Royal Society of Victoria Inc.
Angeline Chin & Cecillia Xian	Mount Waverley Secondary College - Senior	Behaviours of flowering plants	Australian Society for Biochemistry & Molecular Biology
Imogen Redgrove & Darci Welsh	St Leonard's College Brighton Secondary	Super savers	BHP Billiton
Chelsea Fairlie & Tia Vella	St Leonard's College Brighton Secondary	Coastal cliff erosion	The Royal Society of Victoria Inc.
Sam Grindon-Ekins & Michael Kennedy	St Kevin's College - Secondary	A time to act	Swinburne University of Technology
Chloe Merbis	St Leonard's College Brighton Secondary	Sustainability in our environment – renewable energy	The University of Melbourne (Science Education)

Video Productions – Junior

Minor Bursary \$40

Name	School	Project Title	Sponsor
Isabelle Blair-Holt & India Wright	Methodist Ladies' College Senior School	Aqua	Department of Education & Early Childhood Development
Michael Demura	Mentone Grammar School (Senior)	The fantastic fources	Swinburne University of Technology
Beverley Ng & Rosie Stock	Methodist Ladies' College Senior School	The butterfly project	Australian Skeptics Science and Education Foundation
Sophie Jacobson & Isabella Seddon	Firbank Grammar School	Sustainability video	Department of Education & Early Childhood Development
Carlee Abzatz & Leticia Feldt	Fintona Girls School (Senior Secondary)	Tasmanian devils	BHP Billiton
Jeremey Clarke	Lilydale High School	Rubbish is bad	Quantum Victoria
Kate Hirst & Teagan Mihailovic	Mentone Girls' Grammar Secondary School	Where does the water we drink come from?	Swinburne University of Technology
William Harris	St Kevin's College (Secondary)	Sustainability	Victoria Teachers Mutual Bank



Video Productions – Junior *(continued)*

Minor Bursary \$40

Name	School	Project Title	Sponsor
Edward Wareham	St Leonard's College Brighton (Secondary)	The STS Climate Change Video – Show	Australian Society for Biochemistry & Molecular Biology
Samuel Chilcott & Liam Dalwood	St Leonard's College Brighton (Secondary)	Welcome to environmental live	Department of Education & Early Childhood Development
Kurtis Peggie	St Leonard's College Brighton (Secondary)	Sustainability begins at home	Vaisala Pty Ltd

Games – Intermediate

Major Bursary \$65

Name	School	Project Title	Sponsor
Sarah Ellett	Mount Waverley Secondary College - Senior	Sustain: A Game about sustainability in our environment	Australian Skeptics Science and Education Foundation

Games – Intermediate

Minor Bursary \$45

Name	School	Project Title	Sponsor
Nicholas Liacos	Cheltenham Secondary College	Australian animals food webs game	Powercor Australia

Science Photography – Intermediate

Major Bursary \$65

Name	School	Project Title	Sponsor
Ellie Ramanlal & Alexia Samiotis	McKinnon Secondary College	Water surface tension	Department of Education & Early Childhood Development
Maria Ciubuc - Batcu	McKinnon Secondary College	Forces	Department of Education & Early Childhood Development
Deanna Manolas	McKinnon Secondary College	Purple cabbage experiment	Vaisala Pty Ltd
Renata Galiamov	Cheltenham Secondary College	Bubbles	Yakult Australia Pty Ltd
Jane Chen & Kaattie Kyle-Taylor	Presbyterian Ladies College (Senior)	Bubble wonders	Chemistry Education Association
Charlotte Barrow	Firbank Grammar School	Total internal reflection	Australian Skeptics Science and Education Foundation

Science Photography – Intermediate

Minor Bursary \$45

Name	School	Project Title	Sponsor
William McDonald	McKinnon Secondary College	Oscillations of a candle	Department of Education & Early Childhood Development
Shirley Wong	Sacred Heart Girls College	Sustainability and our environment	Department of Education & Early Childhood Development
Sheryl George & Sajani Tilakaratne	Sacred Heart Girls College	The light of the world	Catholic Education Office (Melbourne)
Pamashi Amarasekera & Shania Vancuylenburg	Sacred Heart Girls College	Re-cycle?	Victoria Teachers Mutual Bank
Julia Jeewoath & Natali Perera	Sacred Heart Girls College	Life goes on	Catholic Education Office (Melbourne)
Rachael Chan	Presbyterian Ladies College (Senior)	The cycle of autumn leaves	Quantum Victoria
Alyson Gilmore	Presbyterian Ladies College (Senior)	Decomposition of manure by dung beetles	Entomological Society of Victoria Inc.

Agora Cinema: 12.30pm – 1.30pm

Science Photography – Intermediate *(continued)*

Minor Bursary \$45

Name	School	Project Title	Sponsor
Jessica Lu	Presbyterian Ladies College (Senior)	Water's amazing properties	Powercor Australia
Jia Ying (Helena) Ang	Balwyn High School	Behind the seasons	Department of Education & Early Childhood Development
Nikhil Shah	Mount Waverley Secondary College (Senior)	Elephant behaviour	The Royal Society of Victoria Inc.
Mae Li	Mount Waverley Secondary College (Senior)	New Zealand: a changing landscape	Department of Education & Early Childhood Development

Video Productions – Intermediate

Major Bursary \$65

Name	School	Project Title	Sponsor
Tarli Conroy & Prithi Rajiv	MacRobertson Girls High School	Autumn leaves	Department of Education & Early Childhood Development
Chloe Pearce	Nossal High School	Nuclear power	Powercor Australia
Tom Hoppe & Charlie Wood	St Kevin's College (Secondary)	Energy and sustainability	BHP Billiton

Video Productions – Intermediate

Minor Bursary \$50

Name	School	Project Title	Sponsor
Callum Simpson & Alex Miglietti	Woodleigh School	Life cycle of a star	The Royal Society of Victoria Inc.
Madeleine Jones	Our Lady of Sion College	Dry ice bubble experiment	Catholic Education Office (Melbourne)

Science Photography – Open

Major Bursary \$60

Name	School	Project Title	Sponsor
Antony Zoides	East Doncaster Secondary College	Sustainability - your pipeline, our lifeline	Department of Education & Early Childhood Development

Video Productions – Open

Major Bursary \$65

Name	School	Project Title	Sponsor
Samuel Hatcher & Jake Dell-O'Sullivan	Girton Grammar School (Senior)	Genesis of life	Victoria University: Health, Engineering & Science



Experimental Research – Junior

Major Bursary \$60

Name	School	Project Title	Sponsor
Maddison Konstantatos	Caulfield Grammar School Caulfield Campus	What goes up must come down	Australian Skeptics Science and Education Foundation
Gehan Premaratne	Scotch College (Senior)	Estimating the age of milk by using polarisation	The Walter and Eliza Hall Institute of Medical Research
Dylan Mann	Mentone Grammar School (Senior)	Hollow columns	Australian Skeptics Science and Education Foundation
Conroy Cheers	Caulfield Grammar School Whealers Hill Campus	Efficiency of production and storage of Wind Power	Australian Institute of Energy
Simon Bohun	University High School - GTAC	Energy created by plasma	The Walter and Eliza Hall Institute of Medical Research
Melanie James	Genazzano FCJ College	Do caged cockatiels have a colour preference?	Catholic Education Office (Melbourne)
Lauren Lambrineas	Genazzano FCJ College	The effect of salt on plant growth	The Walter and Eliza Hall Institute of Medical Research
Elyssa Servello	Genazzano FCJ College	The netball bounce pass	Rio Tinto Limited
Dylan Jarvis	Hume Anglican Grammar School (Secondary)	Hydro-electric versus wind power	Victoria University: Health, Engineering & Science
Russell Reader	Beaconhills College - Valley (Secondary)	The best rocket fuel	The Walter and Eliza Hall Institute of Medical Research
Bianca Katsiavos	Beaconhills College - Valley (Secondary)	Do different types of fertilisers affect the growth of bean seedlings?	The Royal Society of Victoria Inc.
Zoe Schwerkolt	Fintona Girls School (Senior Secondary)	Powerful Paper Properties	Victoria Teachers Mutual Bank
Julia Down & Julia Lee	Fintona Girls School (Senior Secondary)	The effects of regular and eco-friendly shampoos on groovy grass	The Walter and Eliza Hall Institute of Medical Research
Madeleine Horsey & Mandy Li	Fintona Girls School (Senior Secondary)	The amazing break race	Powercor Australia
Nicola Dobinson	Fintona Girls School (Senior Secondary)	Does the colour of an object affect its temperature?	Australian Skeptics Science and Education Foundation
Lottie Lawler	Braemar College (Secondary)	The power of the solar panel	Minerals Council of Australia (Victorian Division)
Ramon Bellett	Mount Waverley Secondary College (Junior School)	Can soundwaves make an object lighter?	Department of Education & Early Childhood Development
Charlotte Bassett	East Doncaster Secondary College	Green versus regular cleaning products in greywater	The Walter and Eliza Hall Institute of Medical Research
Tom Andriske	St Kevin's College (Secondary)	Water crystals and plant sustainability	Catholic Education Office (Melbourne)
Michael Hester	St Kevin's College (Secondary)	Melbourne water quality - turbidity	Powercor Australia
Kira Maher	Shelford Girls Grammar (Secondary)	Can humans lower their heart rate using mental focus?	The Walter and Eliza Hall Institute of Medical Research
Claude Dabare	St Bedes College	Energy content and efficiency of ethanol compared to vegetable and sunflower oil	The Walter and Eliza Hall Institute of Medical Research
Sarah Bartlett	Beaconhills College - Village (Secondary)	Cut flowers	The Royal Society of Victoria Inc.
Maddie Sorrenti	Strathcona Baptist GGS - Junior (Secondary)	Do T-bars affect the way you walk?	The Walter and Eliza Hall Institute of Medical Research
Julia Paterson	Monash Science Centre	Are there different types of bacteria in the water dishes of different types of domestic animals?	The Walter and Eliza Hall Institute of Medical Research

Agora Theatre: 12.30pm – 1.30pm

Experimental Research – Junior

Minor Bursary \$45

Name	School	Project Title	Sponsor
Millie Klingbeil	Caulfield Grammar School Caulfield Campus	Slurp	Swinburne University of Technology
Ethan Casey	Caulfield Grammar School Caulfield Campus	Variation between individuals in heart rate	The Walter and Eliza Hall Institute of Medical Research
Pieter Rombauts	Caulfield Grammar School Caulfield Campus	What is the effect of gravity on a seedling's growth?	Department of Education & Early Childhood Development
Andrew Gammon & Connor O'Brien	Scotch College (Senior)	Money laundering	Rio Tinto Limited
Olivia Sims & Meg Tully	Sacred Heart Girls College	How variables affect the acidity of lemon juice	Catholic Education Office (Melbourne)
Emily Boyce	University High School - GTAC	Water quality around Maribyrnong	Department of Education & Early Childhood Development
Catriona Mount	Genazzano FCJ College	How apples brown?	Chemistry Education Association
Julia Yoannidis	Genazzano FCJ College	Absorbancy of paper towels	Australian Skeptics Science and Education Foundation
Emily Sheehan	Genazzano FCJ College	Viscosity versus speed	Yakult Australia Pty Ltd
Samantha Pereira	Genazzano FCJ College	Reaction times of different ages	The Walter and Eliza Hall Institute of Medical Research
Erin Donoghue	Genazzano FCJ College	How aging affects peripheral vision	Australian Society for Biochemistry & Molecular Biology
Elise Tutton	Genazzano FCJ College	The effect of grey water on the growth of basil	Catholic Education Office (Melbourne)
Isabella Biffi	Genazzano FCJ College	Coins and soft drinks	The Royal Society of Victoria Inc.
Molly Jones	Genazzano FCJ College	Rubber chicken bone	Fiona Trapani
Lauren McRae	Genazzano FCJ College	How light affects the ripening of tomatoes	Powercor Australia
Jacinta Ryan	Genazzano FCJ College	Music and memory	Rio Tinto Limited
Demi Fanning	Genazzano FCJ College	Heating rates of different liquids	BHP Billiton
Olivia Bryan	Methodist Ladies' College (Senior School)	How to save the world one load at a time	Powercor Australia
Jaymi Mann	Beaconhills College - Valley (Secondary)	Wind power	Powercor Australia
Madeleine Wenczel	Beaconhills College - Valley (Secondary)	Does microwave radiation effect seed growth?	The Walter and Eliza Hall Institute of Medical Research
Tyler Shaw	Strathcona Baptist GGS Junior (Secondary)	Which colour are birds attracted to?	Australian Society for Biochemistry & Molecular Biology
Samantha Sheppard	Strathcona Baptist GGS Junior (Secondary)	Are rainwater tanks really environmentally friendly	Swinburne University of Technology
Rebecca De Boer	Doncaster Secondary College	What is best for plants: tap or tank water?	Vaisala Pty Ltd
Zoe Tsang	Doncaster Secondary College	Surface area of an ice cube and its melting rate	Department of Education & Early Childhood Development
Georgina Pynta & Constance Yuan	Fintona Girls School (Senior Secondary)	Turn up the music	Powercor Australia
Jessica Kwee & Felicity Zheng	Fintona Girls School (Senior Secondary)	Liquids on the move	The Royal Society of Victoria Inc.
Louis Wade	Braemar College (Secondary)	Natural and artificial odours	The Walter and Eliza Hall Institute of Medical Research
Sarah Burger & Sanskriti Mehta	Fintona Girls School (Senior Secondary)	Amazayn apples	Victoria Teachers Mutual Bank
Erica Lee	Fintona Girls School (Senior Secondary)	Are organic or inorganic fertilisers better for plant growth?	The Royal Society of Victoria Inc.
Lawra Bello	Fintona Girls School (Senior Secondary)	Material and colour impact on air temperature	Australian Skeptics Science and Education Foundation
Emily MacKinnon	St Peter's College	Effects of different types of water on plant growth	Quantum Victoria



Experimental Research – Junior *(continued)*

Minor Bursary \$45

Name	School	Project Title	Sponsor
Rutu Darade	St Josephs College Mildura	An investigation of the effect of temperature on the growth of yoghurt culture	Australian Skeptics Science and Education Foundation
Jessica McLean	Avila College	The effects of noise on plant growth	Powercor Australia
Swathi Anand	Avila College	Saturated fats in cooking oils	The Walter and Eliza Hall Institute of Medical Research
Catherine Pagliaro	Avila College	From trash to gas	Australian Skeptics Science and Education Foundation
Ashleigh Vandenberg	Beaconhills College - Valley (Secondary)	What's the best material for a parachute?	Dr Joy Bear
Korey Luxford	Chairo Christian School, Cardinia (Secondary)	Floating boats	The Royal Society of Victoria Inc.
Caitlin O'Neill	Avila College	Cutting onions	Australian Skeptics Science and Education Foundation
Macgregor Seely	Braemar College - Secondary	The memory of a goldfish	Victoria University: Health, Engineering & Science
Anelise Porto	Avila College	Plant growth using different water samples	The Royal Society of Victoria Inc.
Elizabeth Lyssenko	Avila College	Discovering insulation	Powercor Australia
Caitlin Wood	Avila College	What pesticide works best	Field Naturalists Club of Victoria
Jack Bell	St Kevin's College - Secondary	Global warming: fact or fiction	Australian Skeptics Science and Education Foundation
Luke Suhr	St Kevin's College - Secondary	Which tubing material is most efficient at heating water	The Royal Society of Victoria Inc.
Patrick Gigacz & Ben Tipper	St Kevin's College - Secondary	Bag strength	Department of Education & Early Childhood Development
Damon Davrain	St Kevin's College - Secondary	Energy drinks	Rio Tinto Limited
Astrid Nissila-Brown	Shelford Girls Grammar (Secondary)	How does water affect plant growth?	The University of Melbourne (Science Education)
Jai Kanda	Mount Waverley Secondary College (Junior School)	Bounce height experiment	Department of Education & Early Childhood Development
Tom Kloppenborg & Josh Mravljak	St Bedes College	Investigating biofuels	Powercor Australia
Lawrence De Guzman & James Dickson	St Bedes College	Investigating biofuels	The Royal Society of Victoria Inc.
Eleanor Forwood	Strathcona Baptist GGS - Junior (Secondary)	Drought tolerance and pH levels of soil	Chemistry Education Association
Lauren Geremia	Strathcona Baptist GGS - Junior (Secondary)	The effect of milk fat on bacterial growth	Australian Society for Biochemistry & Molecular Biology
Lea Moustakas	Strathcona Baptist GGS - Junior (Secondary)	Dominant and recessive traits: Which are more common in the population	The Walter and Eliza Hall Institute of Medical Research
Nina Odgers	Strathcona Baptist GGS - Junior (Secondary)	Testing antacid strength	The Walter and Eliza Hall Institute of Medical Research

Agora Theatre: 12.30pm – 1.30pm

Computer Programs – Junior

Major Bursary \$55

Name	School	Project Title	Sponsor
Artemis Siourthas	Methodist Ladies' College Senior School	Artemis' science simulator	Victoria Teachers Mutual Bank
Andrew Wilson	Box Hill High School	Grassland biosphere simulator	Quantum Victoria
Marcus Rendell	Mount Waverley Secondary College (Junior School)	Critters	Department of Education & Early Childhood Development

Computer Programs – Junior

Minor Bursary \$40

Name	School	Project Title	Sponsor
Michelle Berry & Joyce Ling	Methodist Ladies' College Senior School	Space adventure	Australian Skeptics Science and Education Foundation
Carla Lotito	Santa Maria College	Floods	Catholic Education Office (Melbourne)
Peter Drew & Samuel Embury	Box Hill High School	The problems with a big Australia	Swinburne University of Technology
Thomas Nicoll	Box Hill High School	Sustainability and water game	Department of Education & Early Childhood Development
Daniel Crowley	Xavier College, Burke Hall Campus	Save the orangutang	Field Naturalists Club of Victoria
Aaron Lee	Xavier College, Burke Hall Campus	The environment	Rio Tinto Limited

Experimental Research – Intermediate

Major Bursary \$65

Name	School	Project Title	Sponsor
Yin-Lee Ho	Presbyterian Ladies College (Senior)	Natural versus manmade thermal insulation materials	Australian Skeptics Science and Education Foundation
Lucy Sanderson	St Josephs College Mildura	Pollination and seed formation of the butterfly orchid psychopsis papilio	Australian Society for Biochemistry & Molecular Biology
Tanzina Kazi & Maigen Nemes	St Josephs College Mildura	Optical illusions - caused by the eye or the brain?	The Walter and Eliza Hall Institute of Medical Research
Angela Pan	MacRoberston Girls High School	How does Facebook affect the concentration of Year 9 students?	The Walter and Eliza Hall Institute of Medical Research
Cassie Holford	MacRoberston Girls High School	Body gestures and lying	The Royal Society of Victoria Inc.
Minna Zhang	MacRoberston Girls High School	Does computer gaming affect reaction time?	The Walter and Eliza Hall Institute of Medical Research
Somya Mehra	Balwyn High School	Quantitative analysis of lactose in different types of milk	The Walter and Eliza Hall Institute of Medical Research
Natalie Guiney	Beaconhills Christian College	Now you see it...now you don't	Australian Skeptics Science and Education Foundation
Jemma Billingham	Ruyton Girls' School	Converting lactose to glucose in milk	Yakult Australia Pty Ltd
Sarah Guiney	Beaconhills Christian College	Battling the forces of oxygen	The Royal Society of Victoria Inc.



Experimental Research – Intermediate

Minor Bursary \$50

Name	School	Project Title	Sponsor
David Chambers	Kingswood College (Secondary)	Investigating the amount of fuel (energy) available in different types of leaves found in the bush	BHP Billiton
Verity Baltutis	Kingswood College (Secondary)	Natural products with antibacterial properties	The Walter and Eliza Hall Institute of Medical Research
Daniel Roberts & Jamie Tram	Scotch College (Senior)	Wi - findings	The Royal Society of Victoria Inc.
Sacha Mann	Girton Grammar School (Senior)	Effectiveness of natural remedies on S. albus	The Walter and Eliza Hall Institute of Medical Research
Katherine Collie	Presbyterian Ladies College (Senior)	The mosquito noise	The Royal Society of Victoria Inc.
Hannah Lim Joon	Presbyterian Ladies College (Senior)	The stroop effect	Victoria Teachers Mutual Bank
Raisa Litchfield	Methodist Ladies' College Senior School	Investigating the brain's audio and visual processing	The Walter and Eliza Hall Institute of Medical Research
Raksha Hedge	MacRobertson Girls High School	Can normal milk chocolate be used instead of cooking chocolate in recipes?	Department of Education & Early Childhood Development
Lana Radulovic	MacRobertson Girls High School	How does the cleanliness of my room affect my learning?	BHP Billiton
Sophie Klieman & Charlotte Wirtz	Ruyton Girls' School	The most effective make-up remover	The Walter and Eliza Hall Institute of Medical Research
Sophia Currie & Georgia Evans	Ruyton Girls' School	Pain, pain go away	Australian Skeptics Science and Education Foundation
Maree Pasvanis & Zoe Pasvanis	Ruyton Girls' School	Testing the elasticity of cling wrap at different temperatures	Vaisala Pty Ltd
Marina Altson & Ellen Tomkinson	Ruyton Girls' School	Hair ties!	Powercor Australia

Computer Programs – Intermediate

Major Bursary \$65

Name	School	Project Title	Sponsor
Matthew Anderson	Camberwell Grammar School (Senior School)	Check this	Australian Skeptics Science and Education Foundation
Jia Hao Lee	Mount Waverley Secondary College (Senior)	Reserve reserve	Department of Education & Early Childhood Development

Computer Programs – Intermediate

Minor Bursary \$45

Name	School	Project Title	Sponsor
Joseph Kim	Camberwell Grammar School (Senior School)	Earth is history	Powercor Australia

Experimental Research – Open

Major Bursary \$100

Name	School	Project Title	Sponsor
Sarah Mc Arthur	Methodist Ladies' College Senior School	The effect of the overexpression of anti-apoptotic gene Bcl-2 and the role of protein mimetic drugs on immune mediated cell death in cancer cells	The Walter and Eliza Hall Institute of Medical Research
Alexander Holdsworth	Wesley College - Senior Campus	Fluoride concentrations in Melbourne water samples	The Walter and Eliza Hall Institute of Medical Research

Agora Theatre: 12.30pm – 1.30pm

Experimental Research – Open

Minor Bursary \$70

Name	School	Project Title	Sponsor
Sarah Pan	Methodist Ladies' College (Senior School)	An investigation of the effect of laundry detergent type ('environmentally friendly' and 'non-environmentally friendly') and detergent concentration of the growth of radish seedlings (<i>Raphanus sativus</i>) as measured by change in mass (g), length of the radicle and plumule (mm) and percentage germination.	BHP Billiton
Jasmine Zhu	Methodist Ladies' College	A comparative investigation into the efficacy of natural antimicrobial agent (distilled white vinegar) and a synthetic antimicrobial agent (pine-o-clean) on the growth of <i>Escherichia coli</i> on nutrient agar under laboratory conditions	The Walter and Eliza Hall Institute of Medical Research
Jaqueline Goh	Methodist Ladies' College (Senior School)	An investigation on the effect of caffeine on the growth and germination of <i>Vigna radiata</i> (mung beans)	The Walter and Eliza Hall Institute of Medical Research
Cassie Litchfield	Methodist Ladies' College (Senior School)	Investigating caloric restriction as a means of chronological lifespan extension in <i>Saccharomyces cerevisiae</i>	The Walter and Eliza Hall Institute of Medical Research
Xavier Evans	Wesley College (Senior Campus)	Concentration of glucose in sports drinks	The Royal Society of Victoria Inc.



Inventions – Junior

Major Bursary \$60

Name	School	Project Title	Sponsor
Charles Corby	Kew High School	Miniature hot house	Department of Education & Early Childhood Development
Oliver Rice	Braemar College - Secondary	Hot water service heater	Victoria University: Health, Engineering & Science

Inventions – Junior

Minor Bursary \$45

Name	School	Project Title	Sponsor
Grace Almeida	Methodist Ladies' College Senior School	Extreme safety matches	BHP Billiton
Srisai Suraj Hari & Callum Holmes	Parade College	Building an eco friendly electric motor	Australian Skeptics Science and Education Foundation
Caitlyn Quinn	Avila College	Cardboard replacement	Catholic Education Office (Melbourne)
Sadia Quazi	East Doncaster Secondary College	Chair swing stopper	Vaisala Pty Ltd

Creative Writing – Junior

Major Bursary \$50

Name	School	Project Title	Sponsor
Meric Oz	Cheltenham Secondary College	Save water, don't dam it	Department of Education & Early Childhood Development
Joanna Zhang	Methodist Ladies' College Senior School	What lies beneath	Quantum Victoria
Aman Prasad	Mentone Grammar School (Senior)	'Yes we can' said the people	BHP Billiton
Amanda Roberts	The Grange Secondary College	What lies beneath	Department of Education & Early Childhood Development
Ruby Spencer - Stewart	Braemar College (Secondary)	Attention your resource is up for renewal	The University of Melbourne (Science Education)
Sarah Lloyd	Tintern Girls Grammar School (Secondary)	What lies beneath	BHP Billiton
Shaveen Kariyawasam	Camberwell Grammar School (Middle School)	What lies beneath	The Royal Society of Victoria Inc.

Creative Writing – Junior

Minor Bursary \$40

Name	School	Project Title	Sponsor
Rachel Baillie	Methodist Ladies' College Senior School	Yes we can	BHP Billiton
Ruby Ryan	Methodist Ladies' College Senior School	What lies beneath	BHP Billiton
Zoya Niall	Methodist Ladies' College Senior School	What lies beneath	BHP Billiton
Joleen Tang	Methodist Ladies' College Senior School	What lies beneath	BHP Billiton
Amy Yu	Methodist Ladies' College Senior School	What lies beneath	BHP Billiton
Christian Leslie	Cheltenham Secondary College	What lies beneath	Department of Education & Early Childhood Development

The Odeon: 12.30pm – 1.30pm

Creative Writing – Junior *(continued)*

Minor Bursary \$40

Name	School	Project Title	Sponsor
Emily Armanios	Cheltenham Secondary College	Save water, dam it	BHP Billiton
Beckie Cumack	Cheltenham Secondary College	Yes, we can	Department of Education & Early Childhood Development
Claudia Lang	Methodist Ladies' College Senior School	What lies beneath	BHP Billiton
Lauren Rebecca	Methodist Ladies' College Senior School	'Yes we can!' said the people	BHP Billiton
Angelica McLean	Flinders Christian Community College (Carrum Downs)	Save water, dam it	BHP Billiton
Laetitia Um	Maribyrnong Secondary College	What lies beneath	Department of Education & Early Childhood Development
Chloe Tsatsos	East Doncaster Secondary College	Yes we can	Department of Education & Early Childhood Development
Amy Oliver	Braemar College - Secondary	'Yes we can!' said the people	Powercor Australia
Christiaan J Van Aardt	St Josephs College Mildura	Save water, dam it	BHP Billiton
Meg Swain	Tintern Girls Grammar School Secondary	What lies beneath	BHP Billiton
Jamie O'Hare	Tintern Girls Grammar School Secondary	What lies beneath	BHP Billiton
Sienna Gerin	Tintern Girls Grammar School Secondary	What lies beneath	Australian Skeptics Science and Education Foundation
Sarah Rodgers	Chairo Christian School Cardinia (Secondary)	200 flippers	BHP Billiton
Lily Sedgwick	Firbank Grammar School	What lies beneath	Quantum Victoria
Gloria To	East Doncaster Secondary College	'Yes we can!' said the people	Quantum Victoria
Megan Humphries	East Doncaster Secondary College	My greatest discovery	Rio Tinto Limited
Alex Demetiou	East Doncaster Secondary College	Save water, dam it	BHP Billiton
Rosalind Wei	Lyndale Secondary College	Attention: your resource is up for renewal	Quantum Victoria
Shivangi Bhowmick	Lyndale Secondary College	Attention: your resource is up for renewal	Department of Education & Early Childhood Development
Kayla Elliott	St Leonard's College Brighton Secondary	What lies beneath	BHP Billiton

Working Models – Junior

Major Bursary \$55

Name	School	Project Title	Sponsor
Vanessa Yiu	Methodist Ladies' College Senior School	Wind turbine	Powercor Australia
Carolyn Yii	Methodist Ladies' College Senior School	Eco ceiling cooler	The Royal Society of Victoria Inc.
Corbin McCullough	Mentone Grammar School (Senior)	Electromagnetic generator	Australian Institute of Energy
Sanduni Jinadasa	Fintona Girls School (Senior Secondary)	Solar house	In Memory of Eileen Goodfield & Dorothy Dalton
Emily Dorfstatter	Mentone Girls' Grammar Secondary School	Wheat windmill	Swinburne University of Technology
Paul Tomoiga	Gleneagles Secondary College	Wired robotics	Department of Education & Early Childhood Development
Luke Silva	Gleneagles Secondary College	A programmable machine	Australian Skeptics Science and Education Foundation



The Odeon: 12.30pm – 1.30pm

Working Models – Junior (continued)

Major Bursary \$55

Name	School	Project Title	Sponsor
Lauren Kirn	East Doncaster Secondary College	Solar in action!	BHP Billiton
Nickolas Papadakis	Yarra Valley Grammar School	Sustainability	The Royal Society of Victoria Inc.

Working Models – Junior

Minor Bursary \$40

Name	School	Project Title	Sponsor
Adam Bouwmeester & Scott Moore	Mentone Grammar School (Senior)	Binary counter	Swinburne University of Technology
Nicholas Mavrikakis	Maribyrnong Secondary College	Electric circuit	BHP Billiton
Rhiannon Wood	Maribyrnong Secondary College	Solar oven	Australian Skeptics Science and Education Foundation
Walter Lim & Eldon Xu	East Doncaster Secondary College	Hydroelectric model generator	Department of Education & Early Childhood Development
Beatrice Harris-Hart	Firbank Grammar School	Working model of a kidney	Australian Society for Biochemistry & Molecular Biology
Anita Habibovic & Liyon-Marina Kan	East Doncaster Secondary College	Water efficient eco-pots	Department of Education & Early Childhood Development
Dylan Jarvis	Hume Anglican Grammar School (Secondary)	Hydroelectric power station	Victoria University: Health, Engineering & Science
Isabel Wright	Box Hill High School	Fog catchers	The Royal Society of Victoria Inc.
Keith Pang	Box Hill High School	Wind turbine	Australian Institute of Energy
Jacob Withey	Chairo Christian School Cardinia (Secondary)	Hydrogen generator	Rio Tinto Limited
Maddi Findlay & Jasmine Lawrence	Mentone Girls' Grammar Secondary School	Water treatment plant	Australian Skeptics Science and Education Foundation
Niva Jayakrishnan	Hume Anglican Grammar School (Secondary)	Eco75	Victoria University: Health, Engineering & Science
Raquib Newaz & Vishrut Pande	Mount Waverley Secondary College (Junior School)	Green streetlights	Department of Education & Early Childhood Development
Gavin Platt	Lilydale High School	Bike powered battery charger	Department of Education & Early Childhood Development
Michael Culvenor	Xavier College, Burke Hall Campus	Which shoe is safest	BHP Billiton
Aidan Russo	St Kevin's College - Secondary	Renewable resources	Catholic Education Office (Melbourne)
Joshua Adams & Riley Carson	St Leonard's College Brighton Secondary	Wind turbine	The Royal Society of Victoria Inc.
Jack Hastings & Campbell Nicholson	St Leonard's College Brighton Secondary	Hydro-electricity	Powercor Australia
Elliott Sist	St Kevin's College (Secondary)	Wind power	Rio Tinto Limited
Nicla Nannipieri	Princes Hill Secondary College	The hydraulic syringe	Department of Education & Early Childhood Development

The Odeon: 12.30pm – 1.30pm

Posters Scientific Wall Charts – Junior

Major Bursary \$50

Name	School	Project Title	Sponsor
Kyan Webster	Cheltenham Secondary College	The environmental footprint of apple	Dr Joy Bear
Ann Baby	Cheltenham Secondary College	Victoria without coal	BHP Billiton
Riyaz Shahulhamed	Cheltenham Secondary College	Environmentally friendly building materials	Australian Skeptics Science and Education Foundation
Anthea Wanigaratne	Sacred Heart Girls College	Victoria without coal	Catholic Education Office (Melbourne)
Adele Kincses	Flinders Christian Community College (Carrum Downs)	Victoria without coal	Science Teachers' Association of Victoria Inc.
Isabella Blanche	Firbank Grammar School	Environmentally sustainable construction materials	Australian Institute of Energy
Ashley Eadon	Macedon Grammar School	The environmental footprint of my favourite product	Quantum Victoria
Zoe Tamplin	Firbank Grammar School	Sustainability and our environment	Rio Tinto Limited
Ben Copperwaite & Vincent Nguyen	Xavier College, Burke Hall Campus	Victoria without coal	The Royal Society of Victoria Inc.
Cameron Warasta	Caroline Springs College Creekside Secondary	Victoria without coal	Victoria University: Health, Engineering & Science
Alice Jenner	Shelford Girls Grammar (Secondary)	Victoria without coal	Vaisala Pty Ltd
Kellie McArdle	The Knox School - Secondary	Victoria without coal.....Pelamis wave energy converter	Powercor Australia

Posters Scientific Wall Charts – Junior

Minor Bursary \$40

Name	School	Project Title	Sponsor
June Ding	McKinnon Secondary College	Environmentally sustainable construction materials	The Royal Society of Victoria Inc.
Hannah Curry	McKinnon Secondary College	Victoria without coal	Victoria University: Health, Engineering & Science
George Nikolakopoulos	McKinnon Secondary College	Victoria without coal	Department of Education & Early Childhood Development
Matthew Crouch	Cheltenham Secondary College	Environmentally sustainable construction materials	Quantum Victoria
Chelsea Priamo	Cheltenham Secondary College	Sustainable food system	Vaisala Pty Ltd
Diana Arnautovic	Cheltenham Secondary College	Environmentally sustainable construction materials	Department of Education & Early Childhood Development
Jessie Li Tan	Methodist Ladies' College Senior School	Solar tiles	Quantum Victoria
Michelle Tat	Cheltenham Secondary College	Victoria without coal	Powercor Australia
Amalia Nak Pirkmaier	Cheltenham Secondary College	Victoria without coal	Department of Education & Early Childhood Development
Christian Rafanan	Caroline Chisholm Catholic College	Carbon footprints	Catholic Education Office (Melbourne)
Claire Arbuthnot & Laura Dann	Sacre Coeur - Secondary	Why does Victoria need coal?	Quantum Victoria
Eliza Day & Hannah Seddon	Sacre Coeur - Secondary	The environmental footprint of clothes	Catholic Education Office (Melbourne)
Belinda Weng & Hayley Yates	Sacre Coeur - Secondary	Victoria without coal	Powercor Australia
Jasmine Grey & Chelsy Hardy	Mentone Grammar School (Senior)	Victoria without coal	Australian Institute of Energy
Lilly Blanche	Firbank Grammar School	Reducing Apple's environmental footprint	Australian Skeptics Science and Education Foundation
Sydney Miller	Firbank Grammar School	The environmental footprint of beef	BHP Billiton



Posters Scientific Wall Charts – Junior *(continued)*

Minor Bursary \$40

Name	School	Project Title	Sponsor
Courtney Dooley	Firbank Grammar School	A sustainable food system: compost and worm farming	Entomological Society of Victoria Inc.
Julianna Tan	Firbank Grammar School	Sustainable food system	Powercor Australia
Alyssa Cross	Santa Maria College	Environmentally sustainable construction material	Catholic Education Office (Melbourne)
Shane Schowalter	Macedon Grammar School	Victoria without coal	Victoria University: Health, Engineering & Science
Andrew Seal	Xavier College, Burke Hall Campus	Environmental impact of my iPod	Catholic Education Office (Melbourne)
Thomas Meysztowicz	St Kevin's College - Secondary	Victoria without coal	Vaisala Pty Ltd
Eden Griffiths	St Leonard's College Brighton Secondary	Environmentally sustainable construction materials	Yakult Australia Pty Ltd
Anna Rabinov	St Leonard's College Brighton Secondary	Victoria without coal	Swinburne University of Technology

Inventions – Intermediate

Major Bursary \$65

Name	School	Project Title	Sponsor
Robert Spink	Kingswood College Secondary	AC-DC live mouse catcher	BHP Billiton

Inventions – Intermediate

Minor Bursary \$50

Name	School	Project Title	Sponsor
Matthew Bickerdike	Caulfield Grammar School Caulfield Campus	Can I make a mobile phone charger with solar cells?	Australian Skeptics Science and Education Foundation

Creative Writing – Intermediate

Major Bursary \$60

Name	School	Project Title	Sponsor
Vivian Liu	Cheltenham Secondary College	What lies beneath	Department of Education & Early Childhood Development
Alex Liu	Scotch College (Senior)	What lies beneath	BHP Billiton
Samantha Sylivris	Presbyterian Ladies College Senior	Attention: Your resource is up for renewal	Chemistry Education Association
Michael Azizagdam	Maribyrnong Secondary College	'Yes we can!' said the people	Department of Education & Early Childhood Development

The Odeon: 12.30pm – 1.30pm

Creative Writing – Intermediate

Minor Bursary \$45

Name	School	Project Title	Sponsor
Yvette Harty	Bellarine Secondary College, Drysdale Campus	What lies beneath	Department of Education & Early Childhood Development
Amelia Keynton	Kingswood College - Secondary	What lies beneath	BHP Billiton
Cong (Stacey) Zhou	Presbyterian Ladies College Senior	What lies beneath the ice in Antarctica?	Chemistry Education Association
Elizabeth Birch	Maribyrnong Secondary College	'Yes we can!' said the people	Department of Education & Early Childhood Development
Arun Kumar	Scotch College (Senior)	Project X	Australian Society for Biochemistry & Molecular Biology
Jessica Toone	Bentleigh Secondary College	What lies beneath	Quantum Victoria
Bridgette Van Diepen	Nossal High School	Creative writing piece	Quantum Victoria
Alex de Lacy	Our Lady of Sion College	'Yes we can!' said the people	Catholic Education Office (Melbourne)

Working Models – Intermediate

Major Bursary \$65

Name	School	Project Title	Sponsor
Sophie Wong & Amanda Zou	Presbyterian Ladies College (Senior)	Kidney model	Australian Skeptics Science and Education Foundation
Jimmy Fan	Balwyn High School	Thermoelectric lamp	Australian Institute of Energy
Jack Tovey	St Kevin's College - Secondary	A sustainable, self-regulating house	Catholic Education Office (Melbourne)
Christian Rossi	St Kevin's College - Secondary	Solar powered car	Dr Joy Bear

Working Models – Intermediate

Minor Bursary \$45

Name	School	Project Title	Sponsor
Priscilla Tran & Kshitija Vaidya	Presbyterian Ladies College	Half adder	Australian Skeptics Science and Education Foundation
Ashley Branson	Nazareth College	AC-DC generator	BHP Billiton
Jeyan Osman	Caroline Springs College - Creekside Secondary	The turbine	Department of Education & Early Childhood Development
Kiara Hill & Roxy Treloar	Beechworth Secondary College	The aurora defender	Powercor Australia
Kaddy Elliott & Liam Gratton	Beechworth Secondary College	Electron uncertainty	Chemistry Education Association
Bonnie Payne & Sarah Sharwood	Beechworth Secondary College	Reactions on the runway	Powercor Australia



Posters Scientific Wall Charts – Intermediate

Major Bursary \$60

Name	School	Project Title	Sponsor
Sheymonti Hoque	Sacred Heart Girls College	The carbon footprint of paper	Australian Skeptics Science and Education Foundation
Imasha Weerasinghe	Sacred Heart Girls College	A coaled future	Catholic Education Office (Melbourne)

Posters Scientific Wall Charts – Intermediate

Minor Bursary \$45

Name	School	Project Title	Sponsor
Katarina Moesbergen	Presbyterian Ladies College Senior	Environmental footprint of cocoa	BHP Billiton
Sanduni Thomas	Pascoe Vale Girls Secondary College	The environmental footprint of my favourite product	Powercor Australia
Emily Calandra & Chloe Gargan	Wallan Secondary College	Sustainability	Department of Education & Early Childhood Development

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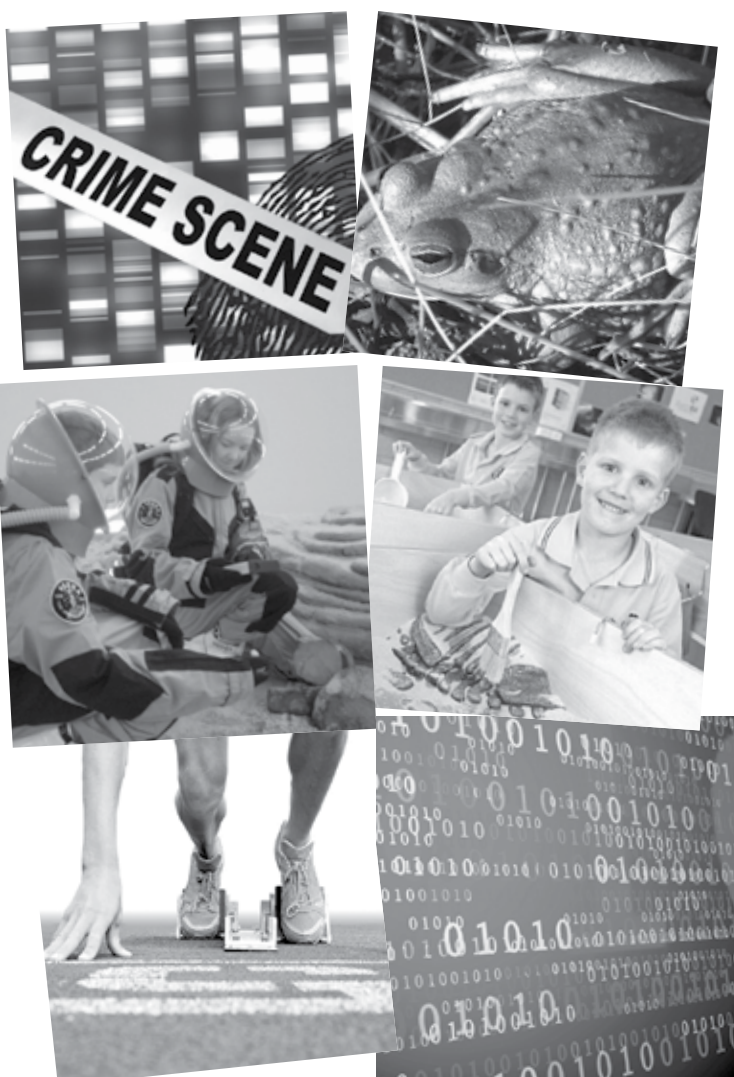
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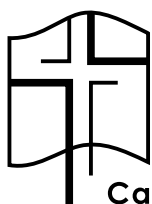
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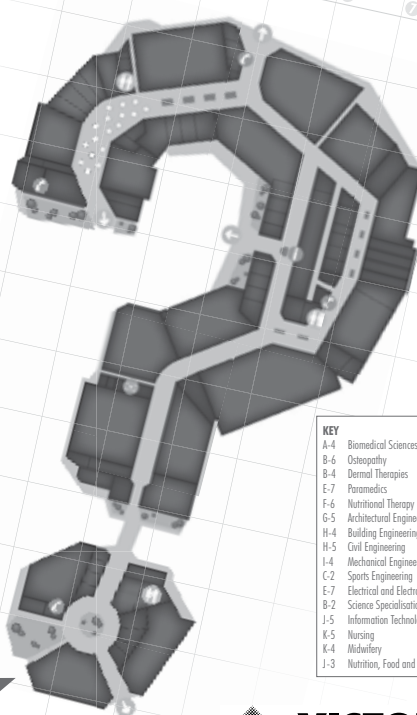


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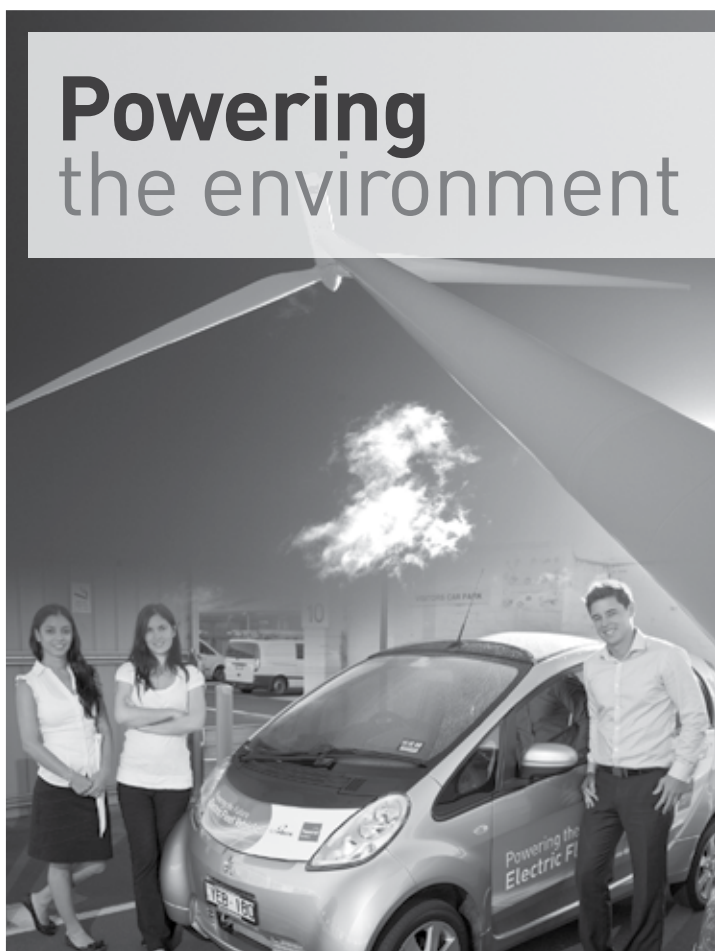
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Anne-Marie Williams	Methodist Ladies' College
Leonie Lang	Retired science teacher
Miranda McKellar	La Trobe University

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Lynette Lew	Balwyn High School
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Diana Veremciukas	Cheltenham Secondary College
Lynden Fielding	Edenhope College
Maureen Frith	Great Ryrie Primary School
Adrian Cameron	Hoppers Crossing Secondary College
Marisa Jarvis	Hume Anglican Grammar
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Judith Sise	Lyndale Greens Primary School
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Beaconhills Christian College	Kelly Roberts
Beaconhills College: Valley (Primary)	Hayley Johnston-Coutts Debbie Mason
Beaconhills College: Valley (Secondary)	Anne Bellavance Bronwyn Moroney Elaine Simpson
Beaconhills College: Village (Secondary)	Libby Deana Michael Fincher Jack White
Beechworth Secondary College	Michael Barnard
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Bentleigh Secondary College	Yvonne Sirianos
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Camberwell Grammar School: Primary	Caroline Gatley Susan Rankin
Camberwell Grammar School: Senior School	Mark Williams
Camelot Rise Primary School	Jacqui Brooks
Carey Baptist Grammar School Donvale	Margaret Adams Simone Griffith Steve Wilson
Carlton Gardens Primary School	Viv Srblin
Caroline Chisholm Catholic College	Lisa Barnard Yvonne Ngiam
Caroline Springs College: Creekside Secondary	Viz Kozak Katherine Ryan
Catholic Regional College: Melton	Phil Brown
Caulfield Grammar School: Caulfield Campus	Ann Cathcart
Caulfield Grammar School: Malvern Campus	A Johnson
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Committee members needed for 2013

The STS committee urgently needs new members for 2013. Without this volunteer committee the competition cannot operate. There are many benefits to be gained by joining the committee - you will be helping ensure STS continues to run, you will be making an active contribution to your profession, you will gain insight into how the competition operates and you will gain personal satisfaction from working with a group of dedicated science professionals.

For more information about the STS committee go to www.sciencevictoria.com.au/sts/stscommittee or contact STAV: stav@stav.vic.edu.au; phone 9385 3999

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Chairo Christian School Cardinia	Chris Rogerson
Cheltenham Secondary College	Erin Bruns Chris Ray Diana Veremciukas
Clarks Park Home School	Jeanie Clark
Clifton Hill Primary School	Alex Clover Diane Nevile
Coburg Primary School	Elizabeth Tuohill
De La Salle College (Secondary)	Joseph Di Ciccio Jo Dickson
Deepdene Primary School	Kate Lafferty
Doncaster Gardens Primary School	Michael Cincotta
Doncaster Secondary College	Tom Wragg
East Doncaster Secondary College	Sarah Daff Geoff Flowers Bernie Kennedy
Eltham East Primary School	Noreen Akhtar Lina Raudino
Essendon North Primary School	Lisa Marino Carole Upton
Essex Heights Primary School	Lauren Braithwaite Felicity O'Flynn
Fintona Girls School: Primary	Lisa Broben Vanessa Stockley
Fintona Girls School: Senior Secondary	Ruth Barclay Julie Goldsworthy Suzie Hannebery
Firbank Grammar School	Tracy Parsons Sophie Rigg
Firbank Grammar School Sandringham House	Brooke Clayton
Firbank Grammar School: Turner House	Beth Watson
Fitzroy North Primary School	Kathleen Lindsay-Field
Flemington Primary School	Nicola Dziadkiewicz
Flinders Christian Community College: Carrum Downs	Adam Copeland
Genazzano FCJ College	Marita O'Shea Sarah Quinn
Girton Grammar School: Junior	Kymerley Cresp Graham Crickmore Kristie Woodward
Girton Grammar School: Senior	Jane Reaburn
Glendal Primary School	Jae Chang Christina Gaffy Chris Gilligan Julie Hse Lisa Tutt
Gleneagles Secondary College	Julie Mullins
Great Ryrie Primary School	Maureen Frith
Heathdale Christian College Primary	Rohan Craig Ann Walker

Heathdale Christian College Secondary	Jim Talliopoulos
Home School Rozakeas	Petros Rozakeas
Hume Anglican Grammar School: Primary	Daniela Campanale Fiona Ellis Reverend Carmel Hunter Pam Robertson
Hume Anglican Grammar School: Secondary	Pamela Gomes
Huntingtower School: Primary	Susan Tawia
Kew High School	Paul Cuthbert Lorna McKellar
Kilvington Grammar School: Senior	Alison Kershaw
Kingswood College: Secondary	Saji Anil Iain Murphy
Kolbe Catholic College	Antonina Briggs Emily Turner Jack Watt
Lauriston Girls School: Primary	Imelda Mason
Lilydale High School	Jodie Street
Lyndale Greens Primary School	Judith Sise
Lyndale Secondary College	Susan Petousis
MacRobertson Girls High School	Kris Freebairn
Macedon Grammar School	Jenny White
Maribyrnong Secondary College	Clinton Hale William Jackson Connie Kyris Matthew Norman Arthur O'Neill Victor Sam
McKinnon Secondary College	Therese Sweeney Rita Van Der Wolde
Mentone Girls' Grammar Secondary School	Grace Jiang Steven Swenser
Mentone Grammar School (Senior)	Craig Best Cameron Lancaster
Methodist Ladies' College	Cassie Blainey Tom Curtis Vera Hudson Sophie Oldfield Miriam Pho Chris Seletto Kylie Warner Jenny Wilson
Minaret College (Secondary)	Anam Javed
Monash Science Centre	Lydia Low
Mount Waverley SC: Junior School	Meg Gross
Mt Eliza Primary School	Hayley Gregory
Nazareth College	Rosaria Pellegrino
Nossal High School	Jenna Richards
Our Holy Redeemer School	Annemiek Waters
Our Lady Of Sion College	Paul Whitely
Overnewton Anglican Community	Melissa Albers



College: Primary	Rachel Crandles Lyndal Mihic Josie Russo Pearl Tipping Mirella Zalakos
Parade College	Maurice Pertucelli Anna Pollard
Parade College - Preston	Edison Shamoail
Pascoe Vale Girls Secondary College	Puloma Mukerjee
Plenty Valley Christian School	Lucille Warwick
Presbyterian Ladies College: Senior	Misja Carbo Andrea Skinner
Princes Hill Secondary College	Shantelle Brown
Roberts McCubbin Primary School	Melinda Browne
Roxburgh Homestead Primary School	Liz Eastwood
Ruyton Girls' School	Nicole Volkmann
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Sacred Heart College: Kyneton	Marika Payne
Sacred Heart Girls College	Anne Noonan Angelina Peluso Kerrilee Pywell
Santa Maria College	Michelle Nedosyko Sevi Tomadakakis
Scotch College: Junior	Anthony Tasca
Scotch College: Senior	Renee Hill
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Shelford Girls Grammar School: Secondary	Annette Williams
Solway Primary School	Prue Mitchell Erin O'Donnell
St Catherine's School: Junior	Sue Cooke
St Joseph's Catholic Primary School - Mernda	Elizabeth Hinds Fiona Trapani
St Joseph's School Mildura	John McGlashan
St Joseph's School	Jeanie Clark Mary Titheridge
St Kevin's College: Secondary	Robert Bell Samantha Braun Adam Bylsma Mark Harvey Jim Ross
St Leonard's College Brighton: Secondary	Katherine Georganakis Marc Lewandowski Justine Werba
St Leonard's College: Junior School	Michelle O'Donnell
St Peter's College	Tracy Alles
Strathcona Baptist G.G.S Junior: Secondary	Ian McDonald

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Chris Dunn	Eloise Egorov
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Frances Hatcher	Zimei (Risako) Huang
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STS Co-ordinator Reports

Posters Scientific Wall Charts – Junior and Intermediate divisions

Section Coordinator: Diana Veremciukas

The Judging Day on Saturday the 11th of August ran smoothly thanks to the tireless efforts of the 24 volunteer judges, who were mostly secondary and primary teachers.

A big thank you to Methodist Ladies College for the use of their facilities and to the staff who helped set up the rooms on the preceding Friday evening, and those who provided morning tea for parents and entrants on the Saturday morning. Also thank you to the MLC students who acted as ushers.

The number of Junior entries received were ninety-three. Of the entries submitted 12 won Major bursaries, 24 won Minor bursaries and 28 received Merit certificates.

Only 10 Intermediate entries were received. Of the entries submitted 2 won Major bursaries, 3 won Minor bursaries and 2 received a Merit certificate. STAV encourages more year 9 and 10+ students to enter next year.

Favourite topics for entrants were: "Victoria without Coal" at 33%. Posters included data on the following alternatives- Nuclear power, Hydrogen Fuel cells, Wind power, Pelamis Wave energy, Tidal energy, Solar power, Natural Gas power, Biomass energy, Geothermal power, Geosequestration, Green power, Hybrid systems and Hydroelectric power.

Next in popularity was "The Environmental Footprint of my favourite product" at 27%. Favourite products included- Chanel no. 5, Paper and magazines, Cocoa and Chocolate, Apple Ipads, Chewing gum, Apple computers, Bottled water, Clothes, Beef, Toilet paper, Mobile phones, Ipad touch and PlayStation 2.

"Environmentally Sustainable Construction materials" at 22%, included information 'for and against' the use of Timber (wood), Steel, Aluminium, Concrete, Solar tiles, Bamboo, Bio-flooring, Straw, Thatching, Mud brick, Adobe and Clay Bricks, Rammed earth (pise), Green roofs and Glass.

Lastly, "A Sustainable Food system" at 18%, included posters on Organic farming, Composting and worm farming, production, processing, distributing and waste management, no pesticides, chemical fertilisers, antibiotics and hormones or factory farming.

Just a reminder to entrants, if a poster has attachments it must be laminated, and if the internet has been accessed, the site, the date and time it was accessed must be noted in the bibliography.

Congratulations, to all who entered the Poster section this year. We are already looking forward to 2013 and discovering what students with commitment, enthusiasm and with support from teachers and parents can do with next year's theme.

Posters Scientific Wall Charts – Lower Primary and Primary divisions

Section Coordinator: Ann Pisarevsky

Congratulations to all those students who made the effort to compete in the poster section of the Science Talent Search.

This year 158 posters were entered with 86 from upper primary and 72 from the lower primary. Of those students who entered in the lower primary section eight received a major bursary and sixteen received a minor bursary. In upper primary ten received a major bursary and twenty received a minors bursary.

Students were asked to address one of the topics given- Environmental sustainability in the community, environmentally sustainable transport, environmentally sustainable tourism or environmentally sustainable ocean life. The judges felt that most posters were well set out and presented a good understanding of the scientific content relating to the topic. There were however a number of posters that did not comply with the guidelines in that photographs were added although the guideline states original diagrams only. If using references from the internet time and date must be added to the reference.

On judging day the judges were impressed by the enthusiasm of the students and their understanding of the concepts presented on their posters.

Many thanks to the judges, who gave up their Saturday morning to be involved in the judging.

Computer Programs – All divisions

Section Coordinators: Mee-Ing Ong and Linnie Lew

Saturday 11th August was an enjoyable day for all participants, who show cased their projects. It was clear that these students had used many hours during their spare time to develop their computer projects. Judges were impressed by the depth and understanding of applied scientific concepts by this year's award winners in this section of the Science Talent Search. For those students who completed their project and missed out on the awards, we hope it was an enriching experience for you and that you will try again. Please ensure that you carefully read and fulfil all the criteria listed in the handbook when you enter in 2013.

There was a small decrease in the number of entries in this section this year. Most participants were entered in the Upper Primary and Junior School divisions. However, there appeared to be some participants entered in the Intermediate and Senior School divisions.

Finally, to the Science staff of Methodist Ladies' College, thank you again for their continuing support and assistance prior to and on the Special Judging Day. Thank you to all judges for their time, dedication and work.

We hope to see many more participants on judging day, 2013, demonstrating their Computer Program or Simulation.



Games – All divisions

Section Coordinator: Leonie Lang

Educators have agreed that playing games is an excellent way to keep students engaged and improve their understanding. At the Games Judging Day at Wesley College, we saw numerous examples of students having fun playing games of their own devising which also helped them learn about science. Students enjoyed setting up their games and playing them with the science teachers who were the judges. We were also pleased to welcome student teachers from Melbourne University, who were mentored by the practising teachers. The judges used a rubric which closely followed the guidelines listed in the Science Talent Search Handbook.

This year 168 entries were judged which is significantly more than last year. Almost half of these were awarded bursaries. It is pleasing that teachers are making time available in the crowded curriculum for students to pursue very worthwhile projects such as STS.

The best entries were those that not only contained good science, but showed evidence that research was used to develop the game around finding solutions to real issues.

Although students entering the Games section are not obliged to follow the theme for the year, the topic of Sustainability and the Environment lent itself very effectively to concerns about community issues. Other popular topics included bushfires, floods, earthquakes and especially tsunamis. Escaping from danger makes a very exciting game. Tasks that promoted problem solving were highly regarded whereas “luck” squares in board games and recall of trivial facts did not score well. Overall, the judges were very impressed with the creativity shown by students to produce eye-catching and innovative games which were original and fun to play.

All this was made possible by the generosity of many science teachers who encouraged their students to enter the Science Talent search, guided their research of the science ideas and inspired them to express their creativity in many different ways. Many of these teachers also gave hours of their free time to judge the entries. We thank the parents for supporting their sons and daughters in preparing their entries, bringing them to the venue and sharing with them the experiences of the day.

We also thank the students who put so much work into completing their entries and brought them to be judged. They have achieved much learning about science and shared their learning with the players of the games and with the judges.

Creative Writing – Lower Primary and Primary divisions

Section Coordinator: Judith Sise

The Environmental Theme, especially the topic “*Splish Splash Save Our Watery Homes*”, resounded with all primary students from Prep to year 6. Almost seventy percent of the stories were about the quality of our water ways or endangered animals found in Australian rivers or coastal habitats. The topics, “*Living Simply So Others Can Simple Live*” and “*Energy Moves On and on*” were the next most popular topics with students focussing on saving energy in their homes. “*Yes we can, said the People,*” was the least popular with the students, but the students who chose this topic produced perhaps the most perceptive stories and illustrations. As usual the styles and methods of illustrating the stories were delightfully innovative, highlighting the depth of scientific understanding of the young authors. The illustrations can often prove to be the most difficult feature of this section, with some students unable to connect the scientific content to the drawings. Bibliographies and the science concepts given by many of the students did include a variety of sources this year including acknowledgement of the assistance of their teachers, parents and family. It was wonderful to see that many students’ projects were inspired by their involvement in family or school’s gardens or visits to waterways or coastal habitats.

Thanks go to the fantastic judges who manage to squeeze into their busy work load extra marking to meet the tight timeline for the Science Talent Search Competition. Thank you also to the classroom and science teachers who ensure that this competition will continue by their continued support for students’ entries. Many judges write how much they enjoyed reading the picture books and want to judge again next year.

Congratulations to all the students and judges and I look forward to enjoying the beautifully illustrated picture story books in 2013.

Experimental Research – Intermediate division

Section Coordinators: Charles Tivendale and Miranda McKellar

This year we had 72 Experimental Research entries at the intermediate level. As section coordinators we are very pleased to report that and as in past years some of these entries were excellent.

Many students discovered that modifying a standard experiment produced interesting, often unexpected results. Frequently, ideas from the web were used, and the entrants who impressed the judges most were those who devised their own, or modified or added a bit extra to an experiment they found on the web. Judges look at how students can adopt a scientific way of operating.

Many ‘experiments’ start as just ‘fun things to try’, and an astute and curious student may think, “Would it work better if it was hotter/faster/more acidic/better lubricated/ground

STS Co-ordinator Reports

finer/ ...", or whatever is appropriate. Students wishing to take a scientific approach then need to refine their thought processes to include, "Exactly what temperature gives the fastest growth", or "Exactly how much salt/acid/heat ... will kill it".

As a concrete example, there were a number of 'Coke and Mentos' demonstrations a few years ago, but NONE where the student asked, "Would Pepsi and salt give a similar (or better) result?" This important extra step is typical of scientific curiosity and thinking.

It has been great to see that this year many of the Judges comments from previous years' reports have been noted; folders were all manila type; most fonts, backgrounds and pictures were relevant, appropriate and did not distract from the content; and results were quoted to an appropriate number of significant figures. Some titles, however did not accurately describe the nature of the experiment.

The following suggestions would benefit any students wishing to improve their entries for future years and also, their scientific report writing in general.

The 'Method' should report what the student actually did, not what someone else who is trying to duplicate the experiment should do. In science, it is often the mistakes made which lead to a new and better understanding of the world, but only if the experimenter (student) thinks critically about unexpected results. Taking extra measurements, repeating the experiment (maybe many times), and altering a variable (say lighting or temperature or time of day when measurements are taken) which was thought to have no effect are some ways that systematic and random errors can be identified and allowed for.

Some students are unclear on the distinction between systematic and random errors. Uncalibrated equipment, whether a ruler or a pH meter, if faulty, introduces systematic errors which repeat measurements will not eliminate. Students who take the time to check (and record) the accuracy of test equipment they use improve the quality of their report. Inter-comparing equipment (such as pH meters or voltmeters), if that is possible, will give an idea of their accuracy without getting a (costly) calibration certificate.

Considerable care is required to get unbiased samples from a large population, if conclusions are to be applied to the whole population. Reports involving large sample sizes would benefit from a discussion of the criteria used in selecting the samples, whether they be people in a psychology experiment or torch batteries. Graphs showing interesting aspects of the data are preferred to large data sets or tables, as they convey relevant information faster to the reader. The raw data can be included in an appendix if it is referred to in the report.

Some students appeared to think that a hypothesis disproved means the report has no value. ALL data, whether confirming or disproving our assumptions and beliefs adds to our collective store of scientific knowledge. It is important to record 'failures', because much can be gained by analysing the unexpected.

To be valid, conclusions must be supported by the experimental data. Inferences made regarding the possible cause of unexpected outcomes belong in the discussion, not the conclusion. Some students assisted judges by

putting each of the discussion prompts (eg. "Did your results support...") just before their own comments. Although never seen in "real" science reports, this style made it easier for judges to verify the student's attention to the requirements.

We thank all of the students who entered this year's competition also acknowledge and thank the many teachers who put in extra time to be part of STS.

Experimental Research – Lower Primary and Primary divisions

Section Coordinator: Ann Pisarevsky

Congratulations to all those students who made the effort to compete in this section of Science Talent Search.

A wide range of topics were presented from 'Grumpy old dads' to "Which Extra chewing gum lasts the longest".

This year 94 students entered, 25 from Lower Primary and 69 from Primary. Of those student who entered in the Lower Primary section 3 received a major bursary and 6 received a minor bursary. In upper primary 8 received a major bursary and 16 received a minor bursary.

Bursary winning entries had the following characteristics – background information provided to the topic in hand, a clear experimental design and a thorough analysis and discussion of the results. It should also be said that the projects followed the guidelines set.

Many thanks, to the judges and teachers who ensure that this section of Science Talent Search continues.

Class Project

Section Coordinators: Sarah Shatford and Marisa Jarvis

Congratulations to all the entrants of the Class Project section, and a very big thank-you to the teachers who assisted the students in their discoveries.

The judging day was a great success and all the students were engaged and enthusiastic on the day. It was wonderful to see the nervous expressions on the students' faces before judging, changing into huge smiles and feeling of pride and accomplishment after they had presented their projects. Our judges' feedback was that the standard and quality of the projects showed significant improvement from last year.

The Class Project allows all of the students within a class group to be involved with the Science Talent Search and can therefore allow more students in a school to be involved. Students being active in the learning process, developing investigation skills and understanding the nature of science are the goals and rewards of participating in the Science Talent Search.

Class project topics are not restricted to the year's set theme. Classes are able to choose an area that they are interested in and that easily fits into a class integrated topic. This year's projects included a diverse range of areas including: electricity; bird studies; investigating waste in the community, scientific investigations of advertising claims; heat transfer;



the affects of exercise on school work output; composting and the environment.

Participating teachers also commented that the changes in the requirements made it very clear and much easier to meet the criteria within the classroom context. Many teachers chose topics which linked very closely with the Australian Curriculum and were able to embed it into their class planning. This not only provided their students with a highly immersive science experience, but also assisted them to meet the curriculum requirements.

Well done, once again, to all participants and their teachers. We look forward to more great science work next year.

Science Photography – All divisions

Section Coordinators: Annette Atkinson and Mary Donaghy

For about three hours a gentle hum of voices could be heard in a classroom at Santa Maria College as a gathering of dedicated teachers and small groups of talented students concentrated on the photographs before them. This interaction between the students and judges was the focus of the judging process. The photographs displayed the students' diversity of interests in science and reflected the commitment of their teachers and parents to science education. They illustrated a wide variety of subjects including this year's theme of sustainability and the environment. Other topics flowed from the students' personal interests or from discussions in class or with other people. Some of the entries told a story, communicated a message or reported information. Some were more reflective. Many were of high standard and displayed well developed photographic skills, the effective use of lighting and colour and a balanced arrangement of items in the photo. Some demonstrated that the entrants are also skilled in the electronic manipulation of the images. Entrants and their teachers attended to detail in following the guidelines closely, including presenting the original images on a separate piece of paper, mounting the photographs individually on card and labelling the photos. Many of the entries were enhanced by attractive and neat presentation.

Thank you to the parents for supporting their sons and daughters and getting them to the judging venue. Thank you to the entrants' teachers for finding time in a crowded curriculum to prepare their students for Science Talent Search, as well as giving their students the opportunity to develop their confidence and communication skills. Thank you to Santa Maria College for making their facilities available for our use on the Judging Day. We appreciate the support of staff in preparing the rooms and receiving the many entrants and parents who arrived at the college on that winter's day. Thank you to the team of judges, including the education students, for their enthusiasm, for working effectively with each other as they evaluated each entry, for their encouraging comments to the entrants, and for generously donating their time and expertise to encourage science education.

Working Models and Inventions – All divisions

Section Coordinators: Janice Teng and Maureen Frith

This year many students were inspired by the theme of Sustainability and our Environment, and quite a number explored the use of renewable energy in their design. Congratulations to all bursary winners and well done to all the students who entered this year!

There were a great number of entries in the Working Models and Inventions this year, with an increase in the number of bursaries awarded. In total 7 Major bursaries and 11 Minor bursaries were won in the Inventions section, and, 25 Major bursaries and 50 Minor bursaries were won in the Working Models section.

This year we would like to inspire our entrants in the Working Models and Inventions section to come up with an innovative way to represent a science idea for future projects. Many are also inspired by the year's theme, but, we would like to remind students that in Working Models and Inventions, you do not have to be limited to the theme and can be creative as well as pursuing your own interests in any aspect of science! As an example, one Major Bursary winner designed, constructed, and programmed a machine to write on paper.

Each year, a number of students find that during transportation to the judging venue, their project has become damaged and is not able to work on the day. We recommend that you consider your construction material (innovative use of common materials scores favourably) and go through a rigorous test of your Model or Invention before the day to ensure that any bugs are worked out. It is important to remember that one of the main criteria is that your project is a working one. This can make all the difference between a Merit or Bursary! We appreciate the amount of time and effort which entrants have put into their projects and hope that they have found this an enjoyable and rewarding experience.

Just a reminder that all entries need to have their reports, no more than 4 A4 sized pages (no posters), stapled into a manila folder and that their yellow face sheet (sent out by STS) is attached to the outside front of this manila folder.

Thank you to Methodist Ladies' College, Anne Marie Williams and all the staff and students, who have been so friendly and helpful in the set up and running of judging day. Thank you also to the judges who made the time to come out and judge our student entries and to encourage their endeavours.

