

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.

Wednesday 3 November 2010

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

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

Agora Cinema

Sections: Experimental Research, Creative Writing
Presenter: Dr Jane Melville, Museum Victoria

Agora Theatre

Sections: Inventions, Working Models, Science Photography, Video Productions (DVD), Class Project (Lower Primary), Posters and Scientific Wall Charts
Presenter: Dr Lindy Lumsden, Arthur Rylah Institute

The Odeon

Sections: Games, Computer Programs, Class Project (Primary)
Presenter: Dr Christine Redman, The University of Melbourne

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

Agora Cinema

Sections: Games
Presenter: Mr Ian Temby, Department of Sustainability and Environment

Agora Theatre

Sections: Experimental Research, Inventions, Science Photography, Video Productions
Presenter: Mr David Trotter, CSIRO Education

The Odeon

Sections: Creative Writing, Working Models, Computer Programs, Posters and Scientific Wall Charts
Presenter: Dr Joanna Sumner, Museum Victoria

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





Explore a brighter future

The Faculty of Science, Technology and Engineering at La Trobe University welcomes all young scientists who are participating in the 2010 Science Talent Search.

Let your ideas create a better tomorrow and discover science at La Trobe University.

📍 latrobe.edu.au/scitecheng

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Infinite Possibilities

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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
Experimental Research - Lower Primary.....	5
Creative Writing - Lower Primary	5
Experimental Research - Primary.....	6
Creative Writing - Primary	6
Agora Theatre: 11.15am - 12.15pm	8
Inventions - Lower Primary	8
Working Models - Lower Primary.....	8
Science Photography - Lower Primary	8
Video Productions - Lower Primary	9
Class Project - Lower Primary.....	9
Posters Scientific Wall Charts - Lower Primary.....	9
Inventions - Primary	10
Working Models - Primary.....	11
Science Photography - Primary	11
Video Productions - Primary	12
Posters Scientific Wall Charts - Primary.....	12
The Odeon: 11.15am - 12.15pm	14
Games - Lower Primary.....	14
Computer Programs - Lower Primary	15
Games - Primary.....	15
Computer Programs - Primary	16
Class Project - Primary.....	17
Agora Cinema: 12.30pm - 1.30pm.....	18
Games - Junior	18
Games - Intermediate	19
Agora Theatre: 12.30pm - 1.30pm	20
Experimental Research - Junior	20
Inventions - Junior	21
Science Photography - Junior	22
Video Productions - Junior	22
Experimental Research - Intermediate	23
Inventions - Intermediate.....	24
Science Photography - Intermediate.....	24
Video Productions - Intermediate.....	25
Science Photography - Open	25
The Odeon: 12.30pm - 1.30pm.....	26
Creative Writing - Junior.....	26
Working Models - Junior	27
Computer Programs - Junior.....	27
Posters & Scientific Wallcharts - Junior	28
Creative Writing - Intermediate.....	30
Working Models - Intermediate	30
Computer Programs - Intermediate	30
Posters & Scientific Wallcharts - Intermediate.....	31
Working Models - Open.....	31
STS Sponsors	32 - 41
Acknowledgements	42
STS Judges 2010	42 - 44
STS Co-ordinator reports 2010.....	45 - 48
Map of La Trobe University.....	inside back cover

In Appreciation

The Science Teachers' Association of Victoria Inc. and the Co-Directors of the 59th 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), Maria Porter (Wesley College) and Leanne McMahon (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 46.

STAV Business Centre

The STS Committee would like to express its appreciation to the STS Project Officer, Ellen Finlay and 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.

The STAV Business Centre includes:
Suzanne O'Shannessy (Executive Officer), Anne Heard (Receptionist), Kerry Gledhill (Accounts), Annette McKenna (Administrative Assistant) and Kellie Jackson (Desktop Publisher).

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

Glendal Primary School School

Sponsored by Victorian Department of Education and Early Childhood Development

Girton Grammar School (Junior)

Sponsored by BHP Billiton and CSIRO

East Doncaster Secondary College

Sponsored by Victorian Department of Education and Early Childhood Development

Methodist Ladies' College (Senior School)

Sponsored by BHP Billiton and CSIRO

The Hugh McKnight Encouragement Awards

Clifton Hill Primary School School

Sponsored by Department of Education and Early Childhood Development

Presbyterian Ladies' College (Junior School)

Sponsored by BHP Billiton and CSIRO

Mount Waverley Secondary College (Junior School)

Sponsored by Department of Education and Early Childhood Development

St Kevin's College

Sponsored by BHP Billiton and CSIRO

Agora Cinema: 11.15am - 12.15pm

Experimental Research - Lower Primary

Major Bursary \$45

Name	School	Project Title	Sponsor
Madison Rayner	Caulfield Grammar School (Malvern Campus)	How many creatures live in the compost?	Independent Primary School Heads of Australia
Helia Hoseinnezhad	Camelot Rise Primary School	What affects water evaporation?	BHP Billiton

Experimental Research - Lower Primary

Minor Bursary \$35

Name	School	Project Title	Sponsor
Charlotte Baker	St Leonard's College (Cornish Campus)	Bendy bones	Independent Primary School Heads of Australia
Jack Barnell	St Leonard's College	What repels ants?	Australian Skeptics Inc.
Hayden Lee	Carey Baptist Grammar School Donvale	Growing lettuce seeds	BHP Billiton
Ruby Rose McMullin	Wesley College (St Kilda Road)	Do rusty nails change the colour of a flower?	Dr Joy Bear

Creative Writing - Lower Primary

Major Bursary \$35

Name	School	Project Title	Sponsor
Liam Perumal	Overnewton Anglican Community College	Give me a home amongst the gum trees	Victoria University: Health, Engineering & Science
Olive Hammond	Solway Primary School	Anna and the Tawny Frogmouth in the dark	Australian Skeptics Inc.
Caitlin Wakefield	Glendal Primary School	In the darkness I sensed...	BHP Billiton
Naveen Sreekrishnan	Glendal Primary School	Give me a home amongst the gum trees	Department of Education & Early Childhood Development
Aneirin Galloway McLean	Firbank Grammar School (Sandringham House)	Give me a home amongst the gum trees	Lanier (Australia) Pty Ltd
Kelly Lam & Chanith Wijeratne	Essendon North Primary School	Give me a home amongst the gum trees	Swinburne University of Technology

Creative Writing - Lower Primary

Minor Bursary \$30

Name	School	Project Title	Sponsor
Alana Vanzo	Lauriston Girls School	My island home	Australian Institute of Energy
Joshua Choong	Serpell Primary School	In the darkness I sensed...	Yakult Australia Pty Ltd
Elisha Cox	Serpell Primary School	Give me a home amongst the gum trees	Department of Education & Early Childhood Development
Xing Chen	Serpell Primary School	My island home	Australian Society for Biochemistry & Molecular Biology
Cameron Roper	Serpell Primary School	My island home	Chemistry Education Association
Natalie Coman	Firbank Grammar School (Sandringham House)	My island home	Victorian Teachers Credit Union Ltd
Caitlin Douglas	Camelot Rise Primary School	Kim's island adventure	Vaisala Pty Ltd
Victoria Wingjan & Olivia Wingjan	Eltham East Primary School	Give me a home amongst the gum trees	The Walter and Eliza Hall Institute of Medical Research
Cosima Gilbert	Ascot Vale Primary School	My island home	The Royal Society of Victoria Inc.
Yasmin Woodlock	Wooranna Park Primary School	Give me a home amongst the gum trees	University of Melbourne: Science and Mathematics Education & ICT Education
Zachary Armstrong	Doncaster Gardens Primary School	Creative writing	Rio Tinto Limited
Chloe Leumont	Doncaster Gardens Primary School	My island home	Powercor Australia

Agora Cinema: 11.15am - 12.15pm



Experimental Research - Primary

Major Bursary \$55

Name	School	Project Title	Sponsor
Taylah Quinn	Beaconhills College (Valley Campus)	How the Sun affects the Earth	Australian Skeptics Inc.
Tayah Masters	Beaconhills College (Valley Campus)	Water purification system	BHP Billiton
Brendan Hung	Glendal Primary School	What PH level will plants grow best in	Department of Education & Early Childhood Development
Caitlin Bryan	Carey Baptist Grammar School Donvale	The search for the little green guys: Micro-organisms in our waterways	Yakult Australia Pty Ltd
Justin Liu	Carey Baptist Grammar School Donvale	Does carbon dioxide really cause global warming?	Powercor Australia
Sarah Haetzel	St Leonard's College	Decay of eggshells in different liquids	BHP Billiton

Experimental Research - Primary

Minor Bursary \$40

Name	School	Project Title	Sponsor
Gus Campbell & Caillan Watt	Clifton Hill Primary School	Acid or alkaline	Chemistry Education Association
Brianna Jones	Methodist Ladies' College	Changing the flavour of lemons	Australian Society for Biochemistry & Molecular Biology
Julia Duncan	Methodist Ladies' College	The great sandwich investigation	BHP Billiton
Adelaide Wood	Methodist Ladies' College	Growing cuttings	Independent Primary School Heads of Australia
Nicole Batrouney & Ellie Robinson	Deepdene Primary School	Plant survival in different climates and soils	Powercor Australia
Freddie Parry	Solway Primary School	Evaporation	Australian Skeptics Inc.
Patrick Edwards	Solway Primary School	How long should my run-up be?	BHP Billiton
Michael Doyle	Solway Primary School	Are identical twins' fingerprints more alike than brothers and sisters?	Australian Skeptics Inc.
Bianca Katsiavos	Beaconhills College (Valley Campus)	What is the effect of sunlight on Pansies?	Yakult Australia Pty Ltd
Jake Kilner-Templar	Beaconhills College (Valley Campus)	Vitamin C (ascorbic acid) home practical experiment	Chemistry Education Association
Kendall Noble	Beaconhills College (Valley Campus)	The effect of different water on the growth of cress	Independent Primary School Heads of Australia
Taliesin Galloway McLean	Firbank Grammar School (Sandringham House)	How plants grow in different environments	The Royal Society of Victoria Inc.
Jamie Douglas	Camelot Rise Primary School	Do drought tolerant plants use less water than other plants?	Australian Skeptics Inc.
Cameron Gosley	Firbank Grammar School (Sandringham House)	How different music affects reaction time	BHP Billiton
Emily Krassar	Shelford Girls Grammar School	Which soil is the best to grow strawberries in?	Swinburne University of Technology
Michelle Berry & Paris Powell	Ruyton Girls' School	Which bath bomb will last the longest?	Rio Tinto Limited

Creative Writing - Primary

Major Bursary \$45

Name	School	Project Title	Sponsor
Emma Croker	Clifton Hill Primary School	My island home	Australian Institute of Energy
Madeleine Gay	Clifton Hill Primary School	Up through the ground they came	Australian Skeptics Inc.
Liam Newton	Overnewton Anglican Community College	Up through the ground they came	Victoria University: Health, Engineering & Science
Kaye Lin Tan	Presbyterian Ladies College	Case of the mysterious holes	Independent Primary School Heads of Australia
Eliza Williams	Solway Primary School	My island home	Lanier (Australia) Pty Ltd

Agora Cinema: 11.15am - 12.15pm

Creative Writing - Primary (continued)

Major Bursary \$45

Name	School	Project Title	Sponsor
Holly Haines	Lauriston Girls School	My island home	Minerals Council of Australia (Victorian Division)
Dion Quach	Camberwell Grammar School	In the darkness I sensed...	Powercor Australia
Alexander Phan	Glendal Primary School	In the darkness I sensed...	Rio Tinto Limited
Claudia Lang	Carey Baptist Grammar School Kew	Up through the ground they came	University of Melbourne: Science and Mathematics Education & ICT Education
Noah Middlemiss-Sun	Carey Baptist Grammar School Kew	Give me a home amongst the gum trees	Swinburne University of Technology
Victoria Sdralis	Carey Baptist Grammar School Donvale	My island home	Department of Education & Early Childhood Development
Florence Liu	Carey Baptist Grammar School Donvale	My island home	BHP Billiton

Creative Writing - Primary

Minor Bursary \$30

Name	School	Project Title	Sponsor
Isobel Bond & Paige Lambert	Clifton Hill Primary School	My island home	Yakult Australia Pty Ltd
Amelia Morling	Tucker Road Primary School Bentleigh	In the darkness I sensed...	Victorian Teachers Credit Union Ltd
Scott Gordon	Caulfield South Primary School	In the darkness I sensed...	Vaisala Pty Ltd
Amelia Fear	Fitzroy North Primary School	Up through the ground they come	The Royal Society of Victoria Inc.
Sanduni Jinadasa & Amelia Smith	Fintona Girls School	My home is destroyed	Swinburne University of Technology
Grace Ouyang & Charlotte Crawford-Shires	Fintona Girls School	The discovery of hyperthermophiles	Powercor Australia
Charlotte Kirkham & Emily Sheerin	Fintona Girls School	I don't belong here	Australian Institute of Energy
Chloe Lovett & Joan Zwar	Fintona Girls School	Where is everyone?	Australian Skeptics Inc.
Carlee Abzatz & Ella Marcus	Fintona Girls School	What is happening to our world?	BHP Billiton
Anish Sampson	Essex Heights Primary School	Up through the ground they came	Lanier (Australia) Pty Ltd
Alexandra Bell	Serpell Primary School	In the darkness I sensed...	Minerals Council of Australia (Victorian Division)
Amanda Chen	Serpell Primary School	Give me a home amongst the gum trees	Powercor Australia
Olivia Kourmadias	Serpell Primary School	In the darkness I sensed...	Rio Tinto Limited
Cathy Fei	Presbyterian Ladies College	In the darkness I sensed...	Yakult Australia Pty Ltd
Lucy Bei & Julia Benoit	Lauriston Girls School	In the darkness I sensed...	BHP Billiton
Ricci Hartman	Beaconhills College (Valley Campus)	Possum panic	Australian Society for Biochemistry & Molecular Biology
Jovan Lam & Bradley Steele	Camberwell Grammar School	In the darkness I sensed...	Lanier (Australia) Pty Ltd
Alison Ford	Glendal Primary School	Up through the ground they came	Swinburne University of Technology
S Kariyawasam	Camberwell Grammar School	Project 1	Vaisala Pty Ltd
Stephanie Kalinovska Alevras	Eltham East Primary School	Give me a home amongst the gum trees	Rio Tinto Limited
Sienna Parrott	Firbank Grammar School (Turner House)	Kimmi's adventures	Rio Tinto Limited
Stephanie Ferrali & Caroline Pick	St Catherine's School	In the darkness I sensed...	Australian Skeptics Inc.
Alex Westcott	Carey Baptist Grammar School Kew	Up through the ground they came	The Royal Society of Victoria Inc

Agora Theatre: 11.15am - 12.15pm



Inventions - Lower Primary

Major Bursary \$45

Name	School	Project Title	Sponsor
Rachel Davidson & Matilda Wolton	Geelong Grammar School (Glamorgan Campus)	Talking door bell	Independent Primary School Heads of Australia

Inventions - Lower Primary

Minor Bursary \$35

Name	School	Project Title	Sponsor
Harrison Thompson	Fitzroy North Primary School	The doggy dunny	Australian Skeptics Inc.
Lucy Johnston	Solway Primary School	Dog feeder	University of Melbourne (School of Physics)

Working Models - Lower Primary

Major Bursary \$40

Name	School	Project Title	Sponsor
Cody le Blanc & Jordan le Blanc	Solway Primary School	Greenhouse effect	Department of Education & Early Childhood Development
Thomas Pang	Glendal Primary School	How an elevator works	Australian Skeptics Inc.

Working Models - Lower Primary

Minor Bursary \$30

Name	School	Project Title	Sponsor
Sean Ford	Glendal Primary School	TED (Turtle Exclusion Device)	Department of Education & Early Childhood Development
Orrin Huf	Glendal Primary School	Maglev train	University of Melbourne (School of Physics)
James Gunasegaram	Glendal Primary School	Wind energy	Australian Institute of Energy
Olivier Ouizeman	St Joseph's School	Biodiversity	Catholic Education Office (Melbourne)
Tolon Yeo	Carey Baptist Grammar School Kew	The WALLEC	Australian Skeptics Inc.

Science Photography - Lower Primary

Major Bursary \$35

Name	School	Project Title	Sponsor
Sophie McBeth	Solway Primary School	Autumn leaves	Department of Education & Early Childhood Development
Callum Thorpe	Solway Primary School	Clouds above	Powercor Australia
Lucy Nolan	St Thomas the Apostle Primary School	Aging skin	Catholic Education Office (Melbourne)

Science Photography - Lower Primary

Minor Bursary \$30

Name	School	Project Title	Sponsor
Lachlan Long	Tucker Road Primary School Bentleigh	Leaf cutter	Entomological Society of Victoria Inc.
James Hatton	Caulfield Grammar School (Malvern Campus)	Amazing fronds	Independent Primary School Heads of Australia
Helena Wen	Glendal Primary School	Plant tolerance with detergents	Department of Education & Early Childhood Development
Declan Somers	St Thomas the Apostle Primary School	Plant regeneration after fire	Catholic Education Office (Melbourne)
Keera Chapman	Wooranna Park Primary School	Changes in the Moon	Yakult Australia Pty Ltd

Agora Theatre: 11.15am - 12.15pm

Video Productions - Lower Primary

Major Bursary \$40

Name	School	Project Title	Sponsor
Chanith Wijeratne	Essendon North Primary School	Common birds of Essendon North Primary School	Australian Skeptics Inc.

Class Project - Lower Primary

Major Bursary \$250

Name	School	Project Title	Sponsor
Mowbray College		Effects on ecosystems	BHP Billiton
Eliz Ahmet	Zoe Angus	Zeeshan Bader	Madison Calleja
Ronan Ennis	Emily Grech	Luke Kim	Vanessa Kohut
Joshua Meehan	Zachariah Mercieca	Tan Nguyen	Elijah Pereira
Justin Pham	Michael Prapas	Tijjani Rees Farrugia	Alijan Ruiz
Mia Saker	Kishi Tamani	Darren Truong	Patrick Verdura
Oliver Vo	Chloe Wang	Matthew Yazbek	

Class Project - Lower Primary

Major Bursary \$250

Name	School	Project Title	Sponsor
Auburn South Primary School		What food do birds prefer?	Department of Education & Early Childhood Development
Mia Blackman	Quinn Feikema	Laura Fieldhouse	Nick Garcia
Jade Jackson	Lachlan Jenkin	Lily Kidd	Ned Lester
Luke Logan	Erin Luff	Charlie MacDonald	Claudia Mackellin
Lachlan MacPherson	Charlotte Neophytou	Patrick Schwarz	Joel Teal
Mercedes Triandafillou	Olivia Tucker	Amandine Velakoulis	Mia Wood
Amelia Zhu			

Class Project - Lower Primary

Minor Bursary \$150

Name	School	Project Title	Sponsor
Mowbray College		The growth of grass in different mediums	Australian Society for Biochemistry & Molecular Biology
Elis Bilal	Jai Brar	Mia Dalton	Isaac Di Martino
Gerard Hasoon	Cooper Hawks	Savi Kaur	Sophie Keller
Kristopher Kokkinidis	Nicole Kralj	Lakshmi Malhotra	Jerome Mamo
Jessica Markovski	Randy Nguyen	Escher Richter	Lachlan Salvador
Alexa San Jose	Sameet Sandhu	Cody Schallhammer	Kim-Ly Ta
Luke Vanderholt	Jordan Vassallo	Jason Yang	Siam Yensukjitt

Posters & Scientific Wall Charts - Lower Primary

Major Bursary \$35

Name	School	Project Title	Sponsor
Kieran Tan	Overnewton Anglican Community College	Australian forests under the waves	Victoria University: Health, Engineering & Science
Charlotte Robinson	Tucker Road Primary School Bentleigh	Forests under the waves	Australian Skeptics Inc.
Jessica Nenke & Rylee Sack	Caulfield South Primary School	Australian forests under the sea	Department of Education & Early Childhood Development
William Kervin & Max Tinkler	Caulfield South Primary School	Why are our native species disappearing?	BHP Billiton
Tara Rogers	Fitzroy North Primary School	Australian forests under the waves	Powercor Australia
Jonathan Coman	Firbank Grammar School (Sandringham House)	Australian forests under waves	Rio Tinto Limited

Agora Theatre: 11.15am - 12.15pm



Posters & Scientific Wall Charts - Lower Primary (continued)

Major Bursary \$35

Name	School	Project Title	Sponsor
Stephanie Keath	Eltham East Primary School	Why are our native species disappearing?	Vaisala Pty Ltd
Keira Sherri	St Thomas the Apostle Primary School	Why are our native animals disappearing?	Catholic Education Office (Melbourne)

Posters & Scientific Wall Charts - Lower Primary

Minor Bursary \$30

Name	School	Project Title	Sponsor
Kaetlyn Hughes	Overnewton Anglican Community College	Why are our native species disappearing?	Victoria University: Health, Engineering & Science
Jake Taylor	Mt Eliza Primary School	Adapting to bush fires, floods and extreme temperatures	Australian Skeptics Inc.
Emily Doyle	Solway Primary School	Why are our native species disappearing? The koala	Department of Education & Early Childhood Development
Maisy Hammond	Solway Primary School	Australian frogs are disappearing	Powercor Australia
Konrad Reich	Serpell Primary School	Why are our native species disappearing?	The Royal Society of Victoria Inc.
Shin En Belinda Tan	Glendal Primary School	Why are our native species disappearing?	Australian Skeptics Inc.
Mark Simounds	Glendal Primary School	Why are our native species disappearing?	Chemistry Education Association
Alan Xiong	Scotch College	Invertebrates: eating and being eaten	Independent Primary School Heads of Australia
Quinn Cameron	Carey Baptist Grammar School Kew	Australian forests under the waves	Powercor Australia
Ella Mackenzie	Carey Baptist Grammar School Kew	Australian forests under the waves	Rio Tinto Limited
Oliver Dimpfel	Carey Baptist Grammar School Kew	Australian forests under the waves	Australian Skeptics Inc.
Kianna Bartolon	St Thomas the Apostle Primary School	Adapting to bushfire	Catholic Education Office (Melbourne)

Inventions - Primary

Major Bursary \$55

Name	School	Project Title	Sponsor
Eamon Campbell-June	Clifton Hill Primary School	The smart toy	Department of Education & Early Childhood Development
Scott Holland	Caulfield Grammar School (Malvern Campus)	Animal tracker	Australian Skeptics Inc.
Patrick Allsop & Finlay Esler	Our Holy Redeemer School	Solar line	Catholic Education Office (Melbourne)

Inventions - Primary

Minor Bursary \$40

Name	School	Project Title	Sponsor
Sheldon McCunnie & Wilson Roberts	Clifton Hill Primary School	Wonder idea	The Royal Society of Victoria Inc.
Nicole Ford	Girton Grammar School	Automatic dog feeder	Victoria University: Health, Engineering & Science
Khoa Dao & Luis Pflaimer	Wesley College (St Kilda Road)	Inventions that help us	Independent Primary School Heads of Australia

Agora Theatre: 11.15am - 12.15pm

Working Models - Primary

Major Bursary \$50

Name	School	Project Title	Sponsor
James Ward	Clifton Hill Primary School	Sharks	Department of Education & Early Childhood Development
Isabelle Ostrowski	Methodist Ladies' College	Lung cancer	BHP Billiton
Sonali Aggarwal	Presbyterian Ladies' College	Solar and lunar eclipses	Independent Primary School Heads of Australia
Christopher Chan & Tristan Hocking-Brown	Scotch College	Solar power to the rescue!	In Memory of Eileen Goodfield & Dorothy Dalton
Tristan Pollock	Trinity Grammar School	Gears	Vaisala Pty Ltd

Working Models - Primary

Minor Bursary \$35

Name	School	Project Title	Sponsor
Roland Baker	Clifton Hill Primary School	Wormies	Rio Tinto Limited
Harry Jupp & Matt Talbot-Weichmann	Brighton Primary School	The Venus Flytrap	Australian Skeptics Inc.
Wallace Galloway	Fitzroy North Primary School	Aerodynamics	Powercor Australia
Finn Nolan	Solway Primary School	The Galileo Galilei acceleration demonstrator	Swinburne University of Technology
Anthea Digiaris	Presbyterian Ladies' College	Seismograph machine	Powercor Australia
Isabelle Hall	Glendal Primary School	An Australian house at Christmas	Australian Skeptics Inc.
Harry Morrall	Girton Grammar School	The aerial screw	Victoria University: Health, Engineering & Science

Science Photography - Primary

Major Bursary \$45

Name	School	Project Title	Sponsor
Samantha Snape	Tucker Road Primary School Bentleigh	Nature's decomposers	Australian Society for Biochemistry & Molecular Biology
Stella Feary	Fitzroy North Primary School	Australian biodiversity	Department of Education & Early Childhood Development
Ella Sutton	Caulfield Grammar School (Malvern Campus)	Girt by the sea	Independent Primary School Heads of Australia
Althea Huf	Glendal Primary School	Biodiversity of a rock pool	Field Naturalists Club of Victoria
Mia Jackson	St Thomas the Apostle Primary School	Root systems of vascular plants	Department of Education & Early Childhood Development

Science Photography - Primary

Minor Bursary \$30

Name	School	Project Title	Sponsor
Clara Sim	Presbyterian Ladies' College	Pitcher plants	Independent Primary School Heads of Australia
Alex Merry	Serpell Primary School	Refraction	University of Melbourne (School of Physics)
Siobhan Chan	Presbyterian Ladies' College	Invertebrates in my backyard	Dr Joy Bear
Isobel Rust	Serpell Primary School	Kinglake bushfires	Department of Education & Early Childhood Development
Lachlan Roper	Serpell Primary School	Australian biodiversity	Swinburne University of Technology
Matthew Mechkaroff	Serpell Primary School	Biodiversity of rock pools	Yakult Australia Pty Ltd
Eleanor Forwood	Strathcona Baptist Girls Grammar School	Patterns in nature	Independent Primary School Heads of Australia
Neehal Vilash	Glendal Primary School	Features of Australian Birds	Field Naturalists Club of Victoria

Agora Theatre: 11.15am - 12.15pm



Science Photography - Primary (continued)

Minor Bursary \$30

Name	School	Project Title	Sponsor
Kaela Gibson	Camelot Rise Primary School	From coast to crest	Victorian Teachers Credit Union Ltd
Bronte Bailey	Girton Grammar School	Life cycle of a pinecone	Victoria University: Health, Engineering & Science
Haydn Musgrove	Girton Grammar School	Phases of the Moon	Independent Primary School Heads of Australia
Georgia Everist & Sophie Fawcett	Girton Grammar School	Native Australian gum trees	Victoria University: Health, Engineering & Science
Madeleine Nolan	St Thomas the Apostle Primary School	Plant adaptation to drought	Catholic Education Office (Melbourne)
Stacey Daisley	St Thomas the Apostle Primary School	What is a shadow?	Department of Education & Early Childhood Development
Alysha Trainor	Huntingtower School	An autumn rainbow	Swinburne University of Technology

Video Productions - Primary

Major Bursary \$50

Name	School	Project Title	Sponsor
Jim Cowie	Caulfield Grammar School (Malvern Campus)	A billabong buffet	Independent Primary School Heads of Australia
Artemis Sopikiotis	Presbyterian Ladies' College	Keeping chickens in suburban Australia	Australian Skeptics Inc.
Alicia Spyropoulos	Serpell Primary School	Backyard biodiversity	Vaisala Pty Ltd

Video Productions - Primary

Minor Bursary \$35

Name	School	Project Title	Sponsor
Foti Karamitos & Stanley Ma	Camberwell Grammar School	Plants and animals	Yakult Australia Pty Ltd
Haydn Musgrove	Girton Grammar School	Impact of weight on a skateboard	Victoria University: Health, Engineering & Science
Gemma Chan & Georgina Cheale	St Catherine's School	Earthquakes	Australian Institute of Energy

Posters & Scientific Wall Charts - Primary

Major Bursary \$45

Name	School	Project Title	Sponsor
Luka Dickson	Clifton Hill Primary School	Why are our native species disappearing?	Australian Skeptics Inc.
Tilly Lacey	Mt Eliza Primary School	Blink then extinct	BHP Billiton
Kieran Murray	Caulfield South Primary School	Invertebrates: eating and being eaten	Entomological Society of Victoria Inc.
Daniel Coleman & Ben Kuhar	Fitzroy North Primary School	Nature's wrath	Department of Education & Early Childhood Development
Taylah Mann	Presbyterian Ladies' College	Australian forests under the waves	BHP Billiton
Rachel Barrie & Caitlin Batten	Lauriston Girls School	Why are our native species disappearing?	Australian Skeptics Inc.
Cassandra Edwardson & Annabelle Mulcahy	Lauriston Girls School	Why are our native species disappearing?	Chemistry Education Association
Matthew Kolomeysky	The King David School (Magid Campus)	Invertebrates: eating and being eaten	Independent Primary School Heads of Australia
Lachlan Coman	Firbank Grammar School (Sandringham House)	Australian forests under the waves	Swinburne University of Technology

Agora Theatre: 11.15am - 12.15pm

Posters & Scientific Wall Charts - Primary (continued)

Major Bursary \$45

Name	School	Project Title	Sponsor
Josh Torresi	Eltham East Primary School	Australian forests under the waves	Department of Education & Early Childhood Development
Rhiannon Wilson	Methodist Ladies' College	Adapting to bushfires, floods and extreme temperatures	Victorian Teachers Credit Union Ltd
Zoe Canestra	Shelford Girls Grammar School	Invertebrates: eating and being eaten	Swinburne University of Technology
Astrid Nissila-Browne	Shelford Girls Grammar School	Australian forests under the waves - coral reefs	The Royal Society of Victoria Inc.
Elisa Harrison	St Thomas the Apostle Primary School	Why are our native animals disappearing?	Catholic Education Office (Melbourne)

Posters & Scientific Wall Charts - Primary

Minor Bursary \$30

Name	School	Project Title	Sponsor
Anand Bharadwaj	Clifton Hill Primary School	Why are our native species disappearing?	Australian Skeptics Inc.
Vikram Sondergaard & Pierce Vasilopoulos	Clifton Hill Primary School	Invertebrates: eating and being eaten	Vaisala Pty Ltd
Laura Ellenbogen	Caulfield South Primary School	Why are our native species disappearing?	BHP Billiton
Maddy McComb	Mt Eliza Primary School	Where are all our Animals?	Chemistry Education Association
Julie Chong & Yannie Lin	Lauriston Girls School	Invertebrates: eating and being eaten	Dr Joy Bear
Nicole Costello & Chelsea Waylen	Lauriston Girls School	Why are our native species disappearing?	Lanier (Australia) Pty Ltd
Amelia Mulcahy & Emma Rice	Lauriston Girls School	Why are our native species disappearing?	Australian Institute of Physics (Victorian Branch)
Kelvin Nguyen	Essex Heights Primary School	Why are our native species disappearing?	Department of Education & Early Childhood Development
Tom Olymbios	Serpell Primary School	Why are our native species disappearing?	Lanier (Australia) Pty Ltd
Robert Milligan	Serpell Primary School	Invertebrates: eating and being eaten	Australian Skeptics Inc.
Sina Amiripour	Camberwell Grammar School	Why are our native species disappearing?	Independent Primary School Heads of Australia
Stacey Lubofsky	The King David School (Magid Campus)	Why are our native species disappearing?	Field Naturalists Club of Victoria
Lucy Collecutt	Roberts McCubbin Primary School	Why are our native species disappearing?	Powercor Australia
Sylvia Ingilizian	Glendal Primary School	Why are our native species disappearing?	Rio Tinto Limited
Jameson Crawford & Alexander Neilsen	Girton Grammar School	Why are our native species disappearing?	Victoria University: Health, Engineering & Science
Anna Jolley	Eltham East Primary School	Why are our native species disappearing?	Vaisala Pty Ltd
Emily Cleeve	Eltham East Primary School	Australian forests under the waves	The Royal Society of Victoria Inc.
Nicholas Angus	Our Holy Redeemer School	Voyage to the bottom of the Great Barrier Reef	Rio Tinto Limited
Hao Yang Xing	Roberts McCubbin Primary School	Why are our native species disappearing?	Department of Education & Early Childhood Development
Cluny Gilmour & Sophie Sitch	St Catherine's School	Why are our native species disappearing?	Catholic Education Office (Melbourne)
Sieon Kim	Glendal Primary School	Australian forests under the waves	Minerals Council of Australia (Victorian Division)
Molly Hann	Shelford Girls Grammar School	Why are our native species disappearing?	Australian Skeptics Inc.

Agora Theatre: 11.15am - 12.15pm



Posters & Scientific Wall Charts - Primary (continued)

Minor Bursary \$30

Name	School	Project Title	Sponsor
Ella Baldwin	Shelford Girls Grammar School	How the rabbit has affected our native species	Independent Primary School Heads of Australia
Alice Jenner	Shelford Girls Grammar School	Why are our native species disappearing? The Mountain Pygmy Possum	Lanier (Australia) Pty Ltd
Mia Siapantas	Shelford Girls Grammar School	Why are our native species disappearing? Orange Bellied Parrot	Vaisala Pty Ltd
Cleopatra Kopanidis	Shelford Girls Grammar School	Why are our native species disappearing? Yellow Spotted Bell Frog	The Royal Society of Victoria Inc.
Johanna Dimpfel	Carey Baptist Grammar School Kew	Adapting to bushfires, floods and extreme temperatures	University of Melbourne: Science and Mathematics Education & ICT Education
Sayuj Datey	Carey Baptist Grammar School Kew	Invertebrates: eating and being eaten	Australian Skeptics Inc.
Kirra Parks	Carey Baptist Grammar School Kew	Australian forests under the waves	The Royal Society of Victoria Inc.

The Odeon: 11.15am - 12.15pm

Games - Lower Primary

Major Bursary \$35

Name	School	Project Title	Sponsor
Jake Hayman & James Martin	Caulfield South Primary School	School pollution	Department of Education & Early Childhood Development
Richard Sammells	Solway Primary School	Aussie animal adventure	Swinburne University of Technology
Finlay Kain & Phoebe-Rose Perry	St Leonard's College Cornish Campus	It's a whale whale whale to Australia	Independent Primary School Heads of Australia
Vara Tyrikos	Carey Baptist Grammar School Donvale	Our carbon footprint	Powercor Australia
Serryn Eenjes	Girton Grammar School	Blood wars	Victoria University: Health, Engineering & Science

The Odeon: 11.15am - 12.15pm

Games - Lower Primary

Minor Bursary \$30

Name	School	Project Title	Sponsor
Jonathan Ciccone	Overnewton Anglican Community College	Adventure in the bush	Victoria University: Health, Engineering & Science
Ben Merakis & Harry Osumi	Overnewton Anglican Community College	What's that critter on my head?	Independent Primary School Heads of Australia
Myah Newton	Overnewton Anglican Community College	Aussie fire!	Victoria University: Health, Engineering & Science
Jared Tan	Overnewton Anglican Community College	World of plants	The Royal Society of Victoria Inc.
Olivia Cleaver	Overnewton Anglican Community College	Recycling Australia	Swinburne University of Technology
Natasha Hoe & Jasmine Simon	Caulfield South Primary School	The Australian animal fact game	Department of Education & Early Childhood Development
Nikki Gurr	St Leonard's College Cornish Campus	World safety	Yakult Australia Pty Ltd
Taylah Emmanouel	Serpell Primary School	Exploring Tera Australis	Department of Education & Early Childhood Development
Liam Todd	Glendal Primary School	Whizz! Bang! Pop!	Australian Skeptics Inc.
Charlotte Baker & Sarah Furman	St Leonard's College Cornish Campus	Feral! Feral! Feral!	The Royal Society of Victoria Inc.
Elijah Basel & Matthew Spaziani	St Leonard's College Cornish Campus	Build up biodiversity	Powercor Australia
Lane Booth & Elliott Higgins	St Leonard's College Cornish Campus	Save the water species	Powercor Australia
Lachlan Kirschenberg	St Leonard's College Cornish Campus	Save that species!	Rio Tinto Limited
Christopher Leaver	Carey Baptist Grammar School Kew	Uncovering marine biodiversity	Independent Primary School Heads of Australia
Sen Ali-Nolan & Jem Ali-Nolan	Essendon North Primary School	Plant or pollute	Victoria University: Health, Engineering & Science

Computer Programs - Lower Primary

Major Bursary \$40

Name	School	Project Title	Sponsor
Michael Zhao	Roberts McCubbin Primary School	What if Fibonacci rabbit dies?	University of Melbourne (School of Physics)

Games - Primary

Major Bursary \$45

Name	School	Project Title	Sponsor
Emma Filgate & Munnie Milton-Moon	Clifton Hill Primary School	Snappy science	Swinburne University of Technology
Kalindu Godellewatte	Serpell Primary School	Environment ranger quest	Australian Skeptics Inc.
Eleanor Forwood	Strathcona Baptist Girls Grammar School	EcoGardener	Australian Society for Biochemistry & Molecular Biology
Belinda Gao & Georgina Pynta	Fintona Girls School	Cyclone zone	Independent Primary School Heads of Australia
Mia Geljic & Jessica Kwee	Fintona Girls School	Wetsunami wash-away	Australian Skeptics Inc.
Samantha Grigg & Estelle Hanney	Fintona Girls School	Bushfire escape	Department of Education & Early Childhood Development
Jessica Sexton	Our Holy Redeemer School	Survival in the outback	Catholic Education Office (Melbourne)
Kosta Patsiotis	Camberwell Grammar School	Threat deck game	Rio Tinto Limited
Renee Lo	Glendal Primary School	Biodiversity in a mangrove ecosystem	Powercor Australia
Riley Arnold	Carey Baptist Grammar School Donvale	Australian eco-systems puzzle	Powercor Australia

The Odeon: 11.15am - 12.15pm



Games - Primary

Minor Bursary \$30

Name	School	Project Title	Sponsor
Madysen Beggs	Brighton Primary School	Save me!	Department of Education & Early Childhood Development
Bibi Charge & Isabella Gerardi	Brighton Primary School	Back to the start	Swinburne University of Technology
Mia Dempsey & Elise Kervin	Caulfield South Primary School	Disappearing in the deep	Department of Education & Early Childhood Development
Rachel Graven	Presbyterian Ladies' College	Forensic cadet	Independent Primary School Heads of Australia
Jasmine Delaney & Rhaegan Hildebrand-Wise	Solway Primary School	The animal chase	Minerals Council of Australia (Victorian Division)
Phoebe Buckley & Hyun Ji Kim	Lauriston Girls School	A.S.L rescue squad	Vaisala Pty Ltd
Madeleine Horsey & Zoe Schwerkolt	Fintona Girls School	Keep your head above water	The Royal Society of Victoria Inc.
Lucy Kimber & Briannah McKernan	Fintona Girls School	Tsunami-Rama!	Australian Skeptics Inc.
Daphne Derozier & Madeleine Percy	Fintona Girls School	Tsunami survivor	Independent Primary School Heads of Australia
Clea Derozier & Sanskriti Mehta	Fintona Girls School	Avalanche alert!!	Rio Tinto Limited
Nicola Dobinson & Jessica Wang	Fintona Girls School	Endure the avalanche	Powercor Australia
Julia Lee & Anna Reid	Fintona Girls School	Bushfire alert	Department of Education & Early Childhood Development
Rachel Eckert & Lauren Miles	Fintona Girls School	Flood mania	Australian Skeptics Inc.
Julia Down & Hannah Schaub	Fintona Girls School	Escape this tornado	Swinburne University of Technology
Candice Kerr & Emily Passaris	Our Holy Redeemer School	Collage of Australia	Catholic Education Office (Melbourne)
Kira Todd	Glendal Primary School	Endangered animals of Australia	Department of Education & Early Childhood Development
Kaela Gibson	Camelot Rise Primary School	Invader eviction	BHP Billiton
Ben Sexton & Tom Woods	Our Holy Redeemer School	So you think you know your Australian herbivores and plants?	Powercor Australia
Alec Maccora & Alice O'Sullivan	St Leonard's College Cornish Campus	Habitat mix-up	Independent Primary School Heads of Australia
Kristen Nettlebeck	St Joseph's School	Bio diversity science game	Catholic Education Office (Melbourne)
Anastasia Stathopoulos	Carey Baptist Grammar School Kew	Ozpuzzled: celebrating Australia's biodiversity	Independent Primary School Heads of Australia
Emily Munroe & Grace Perin	Carey Baptist Grammar School Donvale	The mountain climbers	Rio Tinto Limited
Grace Barelier & Clare Carroll	Huntingtower School	Path of life	Powercor Australia
Luke Paton	Mt Eliza Primary School	My game	Department of Education & Early Childhood Development

Computer Programs - Primary

Major Bursary \$50

Name	School	Project Title	Sponsor
Patrick Leung-Chee-Hang	Glendal Primary School	Australian biodiversity	Field Naturalists Club of Victoria
Conroy Cheers	Jells Park Primary School	Jells Park ecosystem	Independent Primary School Heads of Australia

The Odeon: 11.15am - 12.15pm

Computer Programs - Primary

Minor Bursary \$35

Name	School	Project Title	Sponsor
Kiara Currie & Isabelle Curtis	Southmoor Primary School	The platypus	Department of Education & Early Childhood Development
Emily Williams	Methodist Ladies' College	Life cycle of a flowering plant	Powercor Australia
Nathan Huynh & Andrew Kondopoulos	Deepdene Primary School	Info frog	Australian Society for Biochemistry & Molecular Biology
Anthony Hall	Glendal Primary School	How animals adapt to bushfires, floods and extreme temperatures	Australian Institute of Energy
Shanika Palawaththa	Glendal Primary School	Endangered species	Department of Education & Early Childhood Development
Justin Yang	Glendal Primary School	Electro magnetic waves	University of Melbourne: Science and Mathematics Education & ICT Education
Kevin Yan	Glendal Primary School	Acids and bases	Chemistry Education Association
Mathushalini Raviraj	Lyndale Greens Primary School	Dandenong birds	Powercor Australia

Class Project - Primary

Minor Bursary \$200

Name	School	Project Title	Sponsor
Lyndale Greens Primary School		Exploring biodiversity at Lyndale Greens Primary	BHP Billiton
Thiumi Adhikari Arachchige		Wajeha Akhtarzada	Zainab Al Musawi
Spogmai Amin	Walter Bolitho	Brodi Buttigieg	Adem Buzo
Mida Carganilla	Jaycee Dean	Falon Dubier	Gurkan Erkal
Rean Marj Galicia	Nicholas Horina	Reggae Koka-Sene	Goce Lazareska
Benjamin Marson	Phoenix Mauahara	Kamran Syed Mehmood	Angelina O'Sullivan
Nivaashan Paramesvaran	Shivam Patel	Erandi Rupasinghe	Jessica Stellmacher
Stephanie Syrios	Kimiora Teikamata	Hayden Thomas	

Class Project - Primary

Minor Bursary \$200

Name	School	Project Title	Sponsor
Toorak Primary School		Biodiversity: Why should we care?	Powercor Australia
Chris Atcheson	Stella Barton	Leon Burgess	Ned Cooper
Gianni Degraff	Zak Demkiw	Terry Diffey	Thomas Fasham
Pauline Genreau	Tyrell Lim	Yen Luu	Tristan McPhee
Chris Pinto	Akshat Puri	Robert Raichici	Oscar Ruskin
Pritika Singh	Jay Stanic	Anton Sun	

Agora Cinema: 12.30pm - 1.30pm



Games - Junior

Major Bursary \$50

Name	School	Project Title	Sponsor
Debbie Zheng	Methodist Ladies' College	The endangered garden	Australian Skeptics Inc.
Yue Deng & Xavier Dupe	Brunswick Secondary College	Natural disaster recovery adventure	Victoria University: Health, Engineering & Science
Larissa Li & Maggie O'Shea	Brunswick Secondary College	Catching cancer	Department of Education & Early Childhood Development
Flora Anderson-Cleary	Brunswick Secondary College	Hormone explosion	Australian Society for Biochemistry & Molecular Biology
Sophie Fink & Naomi Rubenstein	The King David School (Magid Campus)	Survive the five	Victorian Teachers Credit Union Ltd
Suzannah Roushdy & Nancy Wu	Fintona Girls School	So you think you know marine biodiversity	The Royal Society of Victoria Inc.
Amrosini Belbasis & Lucy Morison	Santa Maria College	The global warming game	Catholic Education Office (Melbourne)
Denuree Fernando	Lyndale Secondary College	Science biodiversity	Department of Education & Early Childhood Development
Jack Holden & Lachlan Stock	St Bedes College	Bio IQ	Australian Skeptics Inc.
Binuri Attanayake	Mount Waverley Secondary College	Fading lives	Department of Education & Early Childhood Development

Games - Junior

Minor Bursary \$35

Name	School	Project Title	Sponsor
Uma Symons & Emily Zhao	Methodist Ladies' College	Unlock!	Australian Skeptics Inc.
Georgine Mayer & Olivia Parlapiano	Methodist Ladies' College	Bone by bone	BHP Billiton
Lydia Zhang	Methodist Ladies' College	The healer's apprentice	Department of Education & Early Childhood Development
Gianne Fictatas	Methodist Ladies' College	ECAPS	Lanier (Australia) Pty Ltd
Georgina Pattas	Methodist Ladies' College	Healthy living	Powercor Australia
Yasmin Fahour	Methodist Ladies' College	Enviro quest	Powercor Australia
Emily An	Cheltenham Secondary College	Escaping from invaders	Department of Education & Early Childhood Development
Emily Shacklady	Cheltenham Secondary College	The food web	Powercor Australia
Carla Mazzoni	Methodist Ladies' College	Bio-rescu	Rio Tinto Limited
Muireann Hanrahan & Liam Jenkins	Brunswick Secondary College	Crunch time	Victoria University: Health, Engineering & Science
Nicholas Collins & Joseph Jackson	Brunswick Secondary College	Earth saviour	Department of Education & Early Childhood Development
Louise Fisher & Joanna Zafiroopoulos	Brunswick Secondary College	Beating anorexia	Australian Society for Biochemistry & Molecular Biology
Lucy Payne	Brunswick Secondary College	Know your narcotics	Yakult Australia Pty Ltd
Charmaine Han-Menz & Lydia Lee	East Doncaster Secondary College	Circle of life	Department of Education & Early Childhood Development
Gemma Allen	Taylors Lakes Secondary College	Invading animals on Australian coast	Victoria University: Health, Engineering & Science
Riley Huybens	Sunbury Downs Secondary College	Aussie eco	Victoria University: Health, Engineering & Science
Samantha Cunningham	Fintona Girls School	Beyond the beach: saving marine biodiversity	Yakult Australia Pty Ltd
Billy Friend	St Kevin's College	Science 7.0	Catholic Education Office (Melbourne)
Eliza Truscott	Fintona Girls School	Trouble in the Lab	Swinburne University of Technology

Agora Cinema: 12.30pm - 1.30pm

Games - Junior (continued)

Minor Bursary \$35

Name	School	Project Title	Sponsor
Taylah Ward	Avila College	Oz Quiz	Catholic Education Office (Melbourne)
Thomas Appleby	St Kevin's College	ABDology (Australian biodiversity)	Department of Education & Early Childhood Development
Cindy Ho & Catherine Zhang	Santa Maria College	Be cass-o-wary	Catholic Education Office (Melbourne)
Jacqueline Leverett	Santa Maria College	Passengers and stowaways	Rio Tinto Limited
Nicky Phung & My Linh Tran	Santa Maria College	Greeniology	Department of Education & Early Childhood Development
Manepha Kozoolin	St John's Regional College	Ecological footprint game	Victorian Teachers Credit Union Ltd
Naomi Bamblett & Christina Loccisano	Santa Maria College	Funducational: acid rain edition	Catholic Education Office (Melbourne)
Vivienne Chan & Lorraine Goh	East Doncaster Secondary College	Mission: space	Department of Education & Early Childhood Development
Shane Pristov	Bentleigh Secondary College	Nobel's scientific laureates	BHP Billiton
Yvonne Le	Kew High School	Animal pursuit	Australian Skeptics Inc.
Charlotte Xu & Samantha Yew	Mount Waverley Secondary College	Saviour	Department of Education & Early Childhood Development
Max Small	Wesley College (St Kilda Road)	Biodiversity: learn to play and save the day	Australian Skeptics Inc.
Michael Harder	St Leonard's College Brighton	Australian invaders	BHP Billiton

Games - Intermediate

Major Bursary \$60

Name	School	Project Title	Sponsor
Anna Dai & Catherine Perry	Presbyterian Ladies' College	Fighting a losing battle	Australian Skeptics Inc.
Willem Brussen	St Kevin's College	Biodiversity road trip	Catholic Education Office (Melbourne)

Games - Intermediate

Minor Bursary \$45

Name	School	Project Title	Sponsor
Laura Schnerring	Presbyterian Ladies' College	Solution	Vaisala Pty Ltd
Kristy Lau & Cindy Nguyen	Presbyterian Ladies' College	Aussie bio-blast champs	Powercor Australia
Jayson Broadway & Cameron Milliken	Mentone Grammar School	Eco extravagazza	Australian Skeptics Inc.
Divya Pugazhenthil & Nivethikga Uruthirasingam	Mount Waverley Secondary College	Animal rescue	Department of Education & Early Childhood Development

Agora Theatre: 12.30pm - 1.30pm



Experimental Research - Junior

Major Bursary \$60

Name	School	Project Title	Sponsor
Lauren Gerondakis	Methodist Ladies' College	The effects of dryland salinity on native versus introduced grass species	Australian Skeptics Inc.
Verity Baltutis	Kingswood College	The effects of carbon dioxide on plants	Australian Society for Biochemistry & Molecular Biology
Isobel Hymer	Wesley College (St Kilda Road)	Natural indicators	The Walter and Eliza Hall Institute of Medical Research
Hannah Kuhar	Genazzano FCJ College	Which hand cleaning substance removes the most bacteria?	Catholic Education Office (Melbourne)
Jacinta Chan	Genazzano FCJ College	Efficient rice	Vaisala Pty Ltd
Chloe Alexander	Genazzano FCJ College	Which material keeps boiled water hotter for longer?	Australian Institute of Physics (Victorian Branch)
Sarah McGregor	Strathcona Baptist Girls Grammar School	Are more expensive brands of tennis balls of a higher quality?	The Royal Society of Victoria Inc.
Natalie Guiney	Beaconhills College (Valley Campus)	The race to decay	The Walter and Eliza Hall Institute of Medical Research
Tavish Eenjes	Girton Grammar School	Fat content in different kinds of mince meat	Victoria University: Health, Engineering & Science
Ashlie Loke & Emma Schwerkolt	Fintona Girls School	How chemicals affect aquatic plants	Australian Skeptics Inc.
Isabella Aprico & Jaqlin Lyon	Fintona Girls School	Germs in a bottle!	The Walter and Eliza Hall Institute of Medical Research
Kate Donaldson	Strathcona Baptist Girls Grammar School	Lead in lipstick	The Walter and Eliza Hall Institute of Medical Research
Thomas Duke	Girton Grammar School	The effect of auditory distractions on short-term memory	BHP Billiton
Ella Du Ve & Dimity Hanney	Fintona Girls School	What effects do energy drinks have on your body?	The Walter and Eliza Hall Institute of Medical Research
Lily Alexander	Genazzano FCJ College	STS	Catholic Education Office (Melbourne)
Aisha Latiff & Emily Song	Fintona Girls School	Which brand of hand product fights germs the best?	The Walter and Eliza Hall Institute of Medical Research
Teema Abbas & Clarissa Kwee	Fintona Girls School	Let's blow up a balloon!	Australian Skeptics Inc.
Lavan Dharmalingam & Henry Tan	Mount Waverley Secondary College	The friction of different cricket grips	BHP Billiton

Experimental Research - Junior

Minor Bursary \$45

Name	School	Project Title	Sponsor
Hannah Ondrasek	Methodist Ladies' College	Do dogs have a favourite or preferred colour?	Australian Skeptics Inc.
Bridgette Gusner	Methodist Ladies' College	Salinity in the Elster Creek	Australian Society for Biochemistry & Molecular Biology
Nicky Eastaugh	Methodist Ladies' College	Fighting childhood obesity through exercise at school	The Walter and Eliza Hall Institute of Medical Research
David Chambers	Kingswood College	What type of water do violas prefer?	Vaisala Pty Ltd
Stephanie Pereira	Genazzano FCJ College	To test muscular strength and fatigue	The Walter and Eliza Hall Institute of Medical Research
Isabelle Amore & Joy Huang	Kilvington Girls' Grammar	Which of the three types of chocolate will melt slowest?	BHP Billiton
David Glover	Beaconhills College (Valley Campus)	Adding salt to water and ice	Chemistry Education Association
Jessica Kitson	Beaconhills College (Valley Campus)	The germination of alfafa sprouts	Powercor Australia
Madeleine Heyn & Grace Prendergast-Kruger	Avila College	Testing sunscreens	Catholic Education Office (Melbourne)

Agora Theatre: 12.30pm - 1.30pm

Experimental Research - Junior (continued)

Minor Bursary \$45

Name	School	Project Title	Sponsor
Charlotte Crock & Jessica Hunter	Fintona Girls School	In which liquid do gummi bears swell the most?	The Walter and Eliza Hall Institute of Medical Research
Thomas Lackner	St Kevin's College	Backyard biodiversity: Role of earthworms	Dr Joy Bear
Aeneas Gallivan	St Kevin's College	The science of swing bowling	Australian Skeptics Inc.
Natalie Hawkins	Fintona Girls School	The effects of grey water on Festuca arundinacea's germination rate	BHP Billiton
Bridget Hollitt	Genazzano FCJ College	The effect of energy drinks on sports performance	The Walter and Eliza Hall Institute of Medical Research
Rachel de Jongh	Genazzano FCJ College	Batteries	Powercor Australia
Violet de Graauw	Girton Grammar School	Testing which brand of mouthwash is the most effective	Victoria University: Health, Engineering & Science
Amelia McNair	Girton Grammar School	Super septic	The Walter and Eliza Hall Institute of Medical Research
Isabelle Everist & Jessica Stewart	Strathcona Baptist Girls Grammar School	How does your garden grow?	Australian Skeptics Inc.
Lucy Thompson	Kilvington Girls' Grammar	Testing the mentos explosion effect	BHP Billiton
Georgia Martin	Wesley College	Investigating the Yarra	Swinburne University of Technology
Kate Hanlon	Braemar College	Recycled paper towels suck	Victoria University: Health, Engineering & Science
Coco Lunn & Anna Wotherspoon	Fintona Girls School	Which type of chocolate melts the fastest?	Australian Skeptics Inc.
Annie Handley	The Hamilton and Alexandra College	Chroma koala	BHP Billiton
Gordon Hoxley	Southwood Boys Grammar School	The average toilet flushes to the note E flat: true or false?	Swinburne University of Technology
Callum Griffiths	Mount Waverley Secondary College	Vitamin C comparisons between native and non-native fruits	BHP Billiton
Hugh Adrien & Mohamad Dirani	Thornbury High School	MP3 loudness	The Walter and Eliza Hall Institute of Medical Research
Julia Carbery	Flinders Christian Community College (Carrum Downs)	Thirsty plants!	Vaisala Pty Ltd

Inventions - Junior

Major Bursary \$60

Name	School	Project Title	Sponsor
Anthony Crawford	Kingswood College	Saucepan auto-stirrer	Swinburne University of Technology

Inventions - Junior

Minor Bursary \$45

Name	School	Project Title	Sponsor
Laura Waring	Methodist Ladies' College	The wind propelled boat	Australian Skeptics Inc.
Sushweta Pal	Methodist Ladies' College	Junior personal organiser	BHP Billiton
Henri Santoro	St Kevin's College	iPlate	Catholic Education Office (Melbourne)
Janice Mui	Mount Waverley Secondary College	H+NI=Electricity	Department of Education & Early Childhood Development
Fatima Khoddam	Mount Waverley Secondary College	Special pen	Powercor Australia

Agora Theatre: 12.30pm - 1.30pm



Science Photography - Junior

Major Bursary \$50

Name	School	Project Title	Sponsor
Samantha Gallagher	Methodist Ladies' College	Native disguises	Rio Tinto Limited
James Wang	East Doncaster Secondary College	Australian mushrooms	Victorian Teachers Credit Union Ltd
Joshua Freney	Mentone Grammar School	Food spoilage	Powercor Australia
Hunter Scanlon	Mentone Grammar School	Wison's Promontory	BHP Billiton
Amy Kampus	Avila College	Life in the rock pools at Lorne beach	Department of Education & Early Childhood Development
Esther Millard	Princes Hill Secondary College	Acacia biodiversity	Australian Skeptics Inc.
Dinesh Arulprakasam	Lyndale Secondary College	Science photography	Department of Education & Early Childhood Development

Science Photography - Junior

Minor Bursary \$35

Name	School	Project Title	Sponsor
James Field & Quentin Bell	Scotch College	Caging fire with flywire	Australian Institute of Energy
Katherine Lloyd	Methodist Ladies' College	What vine is that wine from?	Australian Society for Biochemistry & Molecular Biology
Amanda Huang	Methodist Ladies' College	Yarra River	Australian Skeptics Inc.
Rhianna Barrington	Methodist Ladies' College	Invasive plants in Wombat State Forrest	BHP Billiton
Zoe Vorenas	Methodist Ladies' College	Side-effects of plantations	Department of Education & Early Childhood Development
Olivia Chambers	Kingswood College	Perky plants	Dr Joy Bear
Ashleigh Degering	East Doncaster Secondary College	Science of sunrise	Department of Education & Early Childhood Development
Tiffany Tsang	East Doncaster Secondary College	Photography in life	Powercor Australia
Corey Smith	St John's Regional College	Growth of the 4 O'clock plant	Catholic Education Office (Melbourne)
Sarah Bamford	Lilydale High School	Australian biodiversity	Powercor Australia
Acacia Buchanan	Princes Hill Secondary College	The diversity of plant life in Australian rainforests	Department of Education & Early Childhood Development
Levina Burger	East Doncaster Secondary College	Human impact on South African biodiversity	Victorian Teachers Credit Union Ltd

Video Productions - Junior

Major Bursary \$55

Name	School	Project Title	Sponsor
Debbie Clark	Methodist Ladies' College	The spinning top	Australian Skeptics Inc.
Nicole Kydas	Cheltenham Secondary College	Acid rain and soil, and biodiversity	Rio Tinto Limited
Patrick Crock & Paul Wydymus	Xavier College (Burke Hall Campus)	Flight	Powercor Australia
Harish Vallury	Thornbury High School	Pest invasion	Department of Education & Early Childhood Development

Video Productions - Junior

Minor Bursary \$40

Name	School	Project Title	Sponsor
Alice Endersbee & Isabelle Nehme	Methodist Ladies' College	Litho-Woman	Australian Skeptics Inc.
Elise Frenetic & Eliza Sinclair	Methodist Ladies' College	The Nerd Show	BHP Billiton

Agora Theatre: 12.30pm - 1.30pm

Video Productions - Junior *(continued)*

Minor Bursary \$40

Name	School	Project Title	Sponsor
Brooke Frawley	Methodist Ladies' College	What is Australian diversity?	Victorian Teachers Credit Union Ltd
Michael D'Agostino	Xavier College (Burke Hall Campus)	Black holes	University of Melbourne (School of Physics)
Marcus Valentino	Xavier College (Burke Hall Campus)	Understanding lasers	BHP Billiton
Elena Couper & Rebecca Vasilas	Fintona Girls School	Rockin' the rockpools	BHP Billiton
Yusuf Aly	Wesley College	Geology: a short overview	Minerals Council of Australia (Victorian Division)
Ryan Lovell & Callum Stewart	Bentleigh Secondary College	Super happy science time	Department of Education & Early Childhood Development
Harrison Jenkinson & Matthew Maher	St Bedes College	Biodiversity	Vaisala Pty Ltd
Uki Brisker & Daniel Kostarelas	Mount Waverley Secondary College	Hovercraft experiment	Victorian Teachers Credit Union Ltd
Jayden Hackett	St Leonard's College Brighton	Biodiversity under the sea	The Royal Society of Victoria Inc.

Experimental Research - Intermediate

Major Bursary \$70

Name	School	Project Title	Sponsor
Dana Hehir	Ruyton Girls' School	Comparison of two different materials to soundproof noise	Australian Skeptics Inc.
Cassie Litchfield	Methodist Ladies' College	Exploring the causes of allergies	The Walter and Eliza Hall Institute of Medical Research
Amelia Barrow	Kilvington Girls' Grammar	Investigation of the effects of capillary forces on the properties of fluids	BHP Billiton
Alexander Nguyen	St Kevin's College	Effect of temperature on seed germination and growth	Catholic Education Office (Melbourne)
Jeremy Huynh	St Kevin's College	The health of a local river	The Walter and Eliza Hall Institute of Medical Research
Timothy Harkin	St Kevin's College	Interpretation and identification of human emotion in facial expression	BHP Billiton
Cher Chen & Loreena Hem	Kilvington Girls' Grammar	Beverages and their impact on teeth; toothcare products that prevent teeth from decay, erosion and stains	The Walter and Eliza Hall Institute of Medical Research
Kaitlin Fletcher	Ruyton Girls' School	The effects of caffeine upon adolescents	The Walter and Eliza Hall Institute of Medical Research

Experimental Research - Intermediate

Minor Bursary \$55

Name	School	Project Title	Sponsor
Lauren Kangisser	Caulfield Grammar School (Caulfield Campus)	Ouch, that's hot	The Walter and Eliza Hall Institute of Medical Research
Michael Clark	Clark's Park Home School	River quality	BHP Billiton
Angela Liu & Chantelle Xu	Ruyton Girls' School	Which colour and brand of marshmallow burns quickest?	Australian Skeptics Inc.
Zoe Hutton & Jessica Wat	Ruyton Girls' School	Spills and sponges	The Walter and Eliza Hall Institute of Medical Research
Daniella May & Eliza Shallard	Ruyton Girls' School	Burn baby, burn: What type of paper burns fastest?	Australian Institute of Energy
Tessie Chang & Amy Grantham	Melbourne Girls Grammar (Merton Hall)	The effects various liquids have on the burning sensation caused by hot (spicy) foods	Vaisala Pty Ltd
Rosie Yates	Melbourne Girls Grammar (Merton Hall)	Which Schmako treat do dog's like the best?	Australian Skeptics Inc.

Agora Theatre: 12.30 - 1.30pm



Experimental Research - Intermediate (continued)

Minor Bursary \$55

Name	School	Project Title	Sponsor
Natasha Anandaraj & Stephanie Koch	Nazareth College	Seeing how paper burns	Catholic Education Office (Melbourne)
Catherine Yu	Presbyterian Ladies' College	What type of food do ants prefer?	Australian Society for Biochemistry & Molecular Biology
Jennifer Gong	Kilvington Girls' Grammar	Burning calories: calculating the energy in nuts	The Walter and Eliza Hall Institute of Medical Research
Sarah Lee & Courtney Powell	Ruyton Girls' School	Foods with a high iron content for vegetarians	Australian Society for Biochemistry & Molecular Biology
Samantha Edney & Bethany Hosking	Ruyton Girls' School	What is the best way to purify water when travelling?	The Walter and Eliza Hall Institute of Medical Research
Erica Zhou	Mount Waverley Secondary College	Very vegefully fruitfal browning	BHP Billiton
Raymond Tong	Nazareth College	Natural antibacterials	Catholic Education Office (Melbourne)

Inventions - Intermediate

Minor Bursary \$55

Name	School	Project Title	Sponsor
Cameron Petrie & Patrick Burnett-Downie	Kingswood College	Magnaffect: a leap forward in train technology	Swinburne University of Technology
Yaseen Chowdhury & Saad Omar	Maribyrnong Secondary College	Environmentally friendly machine for Australian recycling	BHP Billiton

Science Photography - Intermediate

Major Bursary \$60

Name	School	Project Title	Sponsor
Michael Clark	Clark's Park Home School	Birds	Australian Skeptics Inc.
Taras Cheprakov & Cameron Pope	McKinnon Secondary College	Rusting nails	Department of Education & Early Childhood Development
Amy Sayce	McKinnon Secondary College	Water droplets	Powercor Australia
Katherine Martin	McKinnon Secondary College	Cloud photography	Rio Tinto Limited
Riana Casey	Kilvington Girls' Grammar	Star trail photos	University of Melbourne (School of Physics)
Sophie Barry	Presbyterian Ladies College	Canine gait analysis	The Royal Society of Victoria Inc.

Science Photography - Intermediate

Minor Bursary \$45

Name	School	Project Title	Sponsor
Frances Demetriou	Penola Catholic College	Spider's lair	Catholic Education Office (Melbourne)
Varun Chopra	McKinnon Secondary College	Light	Department of Education & Early Childhood Development
Loukas Kakogiannis	McKinnon Secondary College	Decomposing compost	Australian Society for Biochemistry & Molecular Biology
Rosie Chong & Jasmine Holmes	Presbyterian Ladies' College	The behaviour of birds	Department of Education & Early Childhood Development
Maanasa Bandla	Kilvington Girls' Grammar	The life cycle of dandelions	The Royal Society of Victoria Inc.
Jemma Boschetti	Kilvington Girls' Grammar	Molecular diffusion of coloured food dye in water	Chemistry Education Association
Surina Butler	Kilvington Girls' Grammar	The biomechanics of cycling	Victorian Teachers Credit Union Ltd
Halina Pietrzak	Kilvington Girls' Grammar	Snail surveillance	Vaisala Pty Ltd
Grace Fryer	Kilvington Girls' Grammar	Night vision: a study of the eye of the cat	Swinburne University of Technology

Agora Theatre: 12.30 - 1.30pm

Science Photography - Intermediate *(continued)*

Minor Bursary \$45

Name	School	Project Title	Sponsor
Gabriele Naktinyte	Presbyterian Ladies' College	Biodiversity of Red Hill	The Royal Society of Victoria Inc.
Natalie Smith	East Doncaster Secondary	Common Ringtail Possum surviving in Australia	Department of Education & Early Childhood Development
Antony Zoides	East Doncaster Secondary College	What lies beneath the forest fern?	Powercor Australia
Hannah Vass	Kilvington Girls' Grammar	Frogs and their environment	Rio Tinto Limited
Jessica Spencer	Catholic Ladies College	project 19	Catholic Education Office (Melbourne)
Kate Moffat	Korowa Anglican Girls School	Waves	Department of Education & Early Childhood Development
Natasha McDowell	Tintern Girls Grammar School	The physics of long jumping	University of Melbourne (School of Physics)
Tamara Hettipathirana	Mount Waverley Secondary College	Marine biodiversity in a coastal habitat	Vaisala Pty Ltd

Video Productions - Intermediate

Major Bursary \$65

Name	School	Project Title	Sponsor
Julia Pham	Presbyterian Ladies' College	Weather forecasting animals	The Walter and Eliza Hall Institute of Medical Research
Emma Hodge	Our Lady of Sion College	What's the use of chlorine?	Chemistry Education Association

Video Productions - Intermediate

Minor Bursary \$50

Name	School	Project Title	Sponsor
James Stone	Mentone Grammar School	Tidal ranges	BHP Billiton
Jake Fava & Jack Jamieson	Werribee Secondary College	Caffeine	Department of Education & Early Childhood Development

Science Photography - Open

Major Bursary \$65

Name	School	Project Title	Sponsor
Margaret Zoides	East Doncaster Secondary College	Static equilibrium: it's all about balance	Australian Institute of Physics (Victorian Branch)

The Odeon: 12.30 - 1.30pm



Creative Writing - Junior

Major Bursary \$50

Name	School	Project Title	Sponsor
Stephanie Smart	Methodist Ladies' College	Once upon a time there was plenty and now...	Australian Skeptics Inc.
Maddy Ruskin	Methodist Ladies' College	Ferals versus natives	Australian Society for Biochemistry & Molecular Biology
Zoe Finkelstein	The King David School (Magid Campus)	Keeping our biodiversity	BHP Billiton
Rhea Navani	Firbank Grammar School	Ferals versus natives	Lanier (Australia) Pty Ltd
Catherine Wen & Zoe Zhang	Fintona Girls School	Hoping to save the Barrier Reef	Minerals Council of Australia (Victorian Division)
Bridie Cochrane-Holley	Fintona Girls School	Biggie Billa's big adventure	Powercor Australia
Grace Rodrigues	Avila College	Reclaiming the city	The Royal Society of Victoria Inc.
Eileen Nguyen	Lyndale Secondary College	Creative writing	Vaisala Pty Ltd

Creative Writing - Junior

Minor Bursary \$35

Name	School	Project Title	Sponsor
Gabriella Lim	Methodist Ladies' College	Once upon a time there was plenty and now...	Australian Institute of Energy
Aditi Razdan	Methodist Ladies' College	Ferals versus natives	Australian Skeptics Inc.
Deborah Zhang	Methodist Ladies' College	Once upon a time there was plenty and now...	The Royal Society of Victoria Inc.
Nicola Beaumont	Methodist Ladies' College	Once upon a time there was plenty and now...	Rio Tinto Limited
Kendra Bishop	Cheltenham Secondary College	Toad takeover	University of Melbourne: Science and Mathematics Education & ICT Education
Sunny Chisolm	Cheltenham Secondary College	Australian biodiversity	The Royal Society of Victoria Inc.
WeiJu Liang	Cheltenham Secondary College	Reclaiming the city	Victorian Teachers Credit Union Ltd
Zoe Barrile	Cheltenham Secondary College	Ferals versus natives	The Walter and Eliza Hall Institute of Medical Research
Naomi Sylivris	Methodist Ladies' College	Ferals versus natives	Australian Society for Biochemistry & Molecular Biology
Kate Chandler	Methodist Ladies' College	Once upon a time there was plenty and now...	BHP Billiton
Sam Proietto	Scotch College	Once upon a time there was plenty and now...	Vaisala Pty Ltd
Georgina Kay	Firbank Grammar School	Once upon a time there was plenty and now...	Vaisala Pty Ltd
Amelia O'Neill	Firbank Grammar School	Keeping our biodiversity	Chemistry Education Association
Maddy Gilbert	Firbank Grammar School	Once upon a time there was plenty and now...	BHP Billiton
Kerry Jonker	Firbank Grammar School	Keeping our biodiversity	Catholic Education Office (Melbourne)
Kelsey Mahoney	Firbank Grammar School	Once upon a time there was plenty and now...	Lanier (Australia) Pty Ltd
Cristian Stella	Xavier College (Burke Hall Campus)	Keeping our biodiversity	Powercor Australia
Cassandra Garner	Avila College	Once upon a time there was plenty and now...	Vaisala Pty Ltd
Catherine Smith	Avila College	The last thylacine	Rio Tinto Limited
Eloise Smith	Fintona Girls School	The search	Swinburne University of Technology
Madeleine Hendy	Kilvington Girls' Grammar	Bodie the broad-headed snake	Rio Tinto Limited
Stephanie James	Kilvington Girls' Grammar	Dusky hopping mouse	Australian Skeptics Inc.

The Odeon: 12.30 - 1.30pm

Creative Writing - Junior *(continued)*

Minor Bursary \$35

Name	School	Project Title	Sponsor
Jane Liu & Annie Shen	Fintona Girls School	Ferals versus natives	Swinburne University of Technology
Matthew Emmett	East Doncaster Secondary College	Firestorm	The Walter and Eliza Hall Institute of Medical Research
Bethany Stimpson	Bentleigh Secondary College	Once upon a time there was plenty and now...	BHP Billiton
Maddison Read	Tintern Girls Grammar School	Ferals versus natives	Powercor Australia

Working Models - Junior

Major Bursary \$55

Name	School	Project Title	Sponsor
Michael Norman	Xavier College (Burke Hall Campus)	Wind turbine	Catholic Education Office (Melbourne)
James Macaronas	St Kevin's College	NIM machine	Australian Skeptics Inc.
Sujanathan Satkunarajah	Southwood Boys Grammar School	Scale model to demonstrate transfer of energy	BHP Billiton

Working Models - Junior

Minor Bursary \$40

Name	School	Project Title	Sponsor
Claire Johnson	Methodist Ladies' College	Eco-friendly house	Australian Institute of Energy
James Tavlian	Balwyn High School	Drawbridge	Department of Education & Early Childhood Development
James Takahashi	Xavier College (Burke Hall Campus)	The wembley roar	Catholic Education Office (Melbourne)
Gemion Court & Isabelle Winkler	Fintona Girls School	The water cycle	Australian Skeptics Inc.
Hugh Anderson	St Kevin's College	Controls and aerodynamics of an aeroplane	Swinburne University of Technology
Tristan Cliff & Thomas Newing	Scotch College	Hydroelectric generator	Vaisala Pty Ltd
Amelia Murtagh	Our Lady of Sion College	Green power: wind turbine	Powercor Australia
Adrian Rebellato & Luke Siemonsma	Parade College	Solar powered lighthouse	Powercor Australia
Julian Messina & Benjamin Money	Parade College	Solar oven	Australian Skeptics Inc.
William Hettrick & Michelle Lopez	Thornbury High School	Magnetohydrodynamics	The Royal Society of Victoria Inc.
Apoorva Shenoy	Mount Waverley Secondary College	Lie detector	Department of Education & Early Childhood Development
Alex Whitehead	Kew High School	Steam powered balsa wood boat	Dr Joy Bear

Computer Programs - Junior

Major Bursary \$55

Name	School	Project Title	Sponsor
Raisa Litchfield	Methodist Ladies' College	Artificial life	Australian Skeptics Inc.
Charles Prior & Christopher Skliros	St Kevin's College	Artificial life simulator	Catholic Education Office (Melbourne)
William Parker	Mount Waverley Secondary College	Desert survival	Department of Education & Early Childhood Development

The Odeon: 12.30 - 1.30pm



Computer Programs - Junior

Minor Bursary \$40

Name	School	Project Title	Sponsor
Matthew Wildoer	Scotch College	The world	Australian Skeptics Inc.
Matilda De Marinis & Cailin Hassed	Fintona Girls School	The fountain of life	Department of Education & Early Childhood Development
Daniel Hussey	St Kevin's College	Biodiversity iPhone game	University of Melbourne: Science and Mathematics Education & ICT Education
Lachlan Smith	Princes Hill Secondary College	Space Lander II	Department of Education & Early Childhood Development
Patrick Shaw	East Doncaster Secondary College	Bacteria and stromatolites	Australian Society for Biochemistry & Molecular Biology
Matthew Laughlin	Bentleigh Secondary College	Travelling through space	Department of Education & Early Childhood Development
Balir Yoon & Prakaash Shreevijayan	Mount Waverley Secondary College	Survival of fittest pacman	Swinburne University of Technology
Andrew Godfree	Mount Waverley Secondary College	Australia's killer snakes	BHP Billiton

Posters & Scientific Wall Charts - Junior

Major Bursary \$50

Name	School	Project Title	Sponsor
Anthea Li	Methodist Ladies' College	Impacts of biodiversity	Australian Institute of Energy
Willem Van Denderen	McKinnon Secondary College	Impacts of invaders on Australian biodiversity	Department of Education & Early Childhood Development
Nikki Menzies-Smith	Firbank Grammar School	Impacts of invaders on Australian biodiversity	Australian Skeptics Inc.
Charlotte Barrow	Firbank Grammar School	Biodiversity in my backyard	BHP Billiton
Heidi Farrer	Firbank Grammar School	Impact of invaders on Australian biodiversity	Chemistry Education Association
Emma Gibbs & Caroline Xue	Sacre Coeur	Bacteria and Australian biodiversity	Lanier (Australia) Pty Ltd
Karen Tat & Qi-Wei Wang	Sacre Coeur	Paterson's curse on biodiversity	Powercor Australia
Shiralee Jayasuriya & Vishwethaa Kugathas	Sacre Coeur	Symbiotic links	The Royal Society of Victoria Inc.
James Rankin	St Kevin's College	European green shore crab	Catholic Education Office (Melbourne)
Samantha Valk & Victoria Williamson	Sacre Coeur	Evolutionary links between species	Australian Skeptics Inc.
Kirsten Mazzeo	Santa Maria College	Impacts of invaders on Australian biodiversity	BHP Billiton
Courtney Barro	Catholic Ladies College	Impact of invaders on Australian biodiversity	The Royal Society of Victoria Inc.
Andrew Batty	Kew High School	Introduced species: European carp	Department of Education & Early Childhood Development

The Odeon: 12.30 - 1.30pm

Posters & Scientific Wall Charts - Junior

Minor Bursary \$35

Name	School	Project Title	Sponsor
Mediha Ergin & Nathan Baddawi	Hume Central Secondary College - Blair Street	Bacteria and Australian biodiversity	Victoria University: Health, Engineering & Science
Sophie Bell	Methodist Ladies' College	Invasion of the fox	Australian Skeptics Inc.
Esther Brierley & Ahila Navaratnam	Methodist Ladies' College	Biodiversity links between species	Australian Institute of Energy
Shae Warner & Jia Xing	Cheltenham Secondary College	Impact of invaders on biodiversity	Department of Education & Early Childhood Development
Katie McKenzie	Methodist Ladies' College	Impact of invaders on Australian biodiversity	BHP Billiton
Victoria Chan	Methodist Ladies' College	Locust plague	Chemistry Education Association
Jenny Li	Methodist Ladies' College	Impacts of biodiversity	Dr Joy Bear
Deanna Manolas	McKinnon Secondary College	Impacts of invaders on Australian biodiversity	Department of Education & Early Childhood Development
Jessica Osburn	McKinnon Secondary College	Biodiversity in my backyard	Yakult Australia Pty Ltd
Sheli Spector	The King David School (Magid Campus)	Biodiversity in my backyard	Victorian Teachers Credit Union Ltd
Johanna Joyce	Firbank Grammar School	Bacteria and Australian biodiversity	Vaisala Pty Ltd
Alex Bladen	Firbank Grammar School	Impact of invaders on Australian biodiversity	The Royal Society of Victoria Inc.
Kate Duggan	Firbank Grammar School	Impacts of invaders on Australian biodiversity	Swinburne University of Technology
Olivia Mc Connon & Laura Obradov	Sacre Coeur	Biodiversity at Gardiners Creek	Australian Skeptics Inc.
Brittany Croagh & Georgia Dix	Sacre Coeur	Impact of cane toads on Australian biodiversity	BHP Billiton
Joseph Eddy & Christian Gabbert	Mentone Grammar School	Invaders to Australia	Lanier (Australia) Pty Ltd
Jocelyn Bennett	Doncaster Secondary College	Biodiversity in my backyard	Rio Tinto Limited
Anastasia Anastassiou	Doncaster Secondary College	Bees: biodiversity in my backyard	Yakult Australia Pty Ltd
Doriano Raffaele & Alexnder Walker	Maribyrnong Secondary College	Biodiversity of coral reefs	Department of Education & Early Childhood Development
Abby Chapman & Jennifer Rahilly	Sacre Coeur	Invasion of Australia	Powercor Australia
Rushika Aponso & Darcy Fahey	Sacre Coeur	Jells Park: biodiversity in my backyard	Australian Skeptics Inc.
Amy Caruso & Penny Evreniadis	Sacre Coeur	Plants and animals in Australia's backyard	BHP Billiton
Molly Townsend	Catholic Ladies College	Impact of invaders on Australian biodiversity: rabbits	Catholic Education Office (Melbourne)
Jane Carmel	Catholic Ladies College	Impact of invaders on Australian biodiversity	Lanier (Australia) Pty Ltd
Julia Marulli	Catholic Ladies College	Impact of invaders on Australian biodiversity	Vaisala Pty Ltd
Jorja Strack	Mentone Grammar School	Biodiversity in my backyard	Vaisala Pty Ltd
Melissa Hansford	Kurunjang Secondary College	The cane toad	Victoria University: Health, Engineering & Science
Astyn Trecate	Kew High School	Introduced species: European wasp	Rio Tinto Limited
Antonio Cafasso & Anthony Muleta	Parade College	Horse impact on Australian biodiversity	Powercor Australia
Jayganes Manivannan	Mount Waverley Secondary College	Links between species: more than just food - interdependence	Department of Education & Early Childhood Development
Shaun Ripper	St Leonard's College Brighton	Feral pigs: impact on Australia	Australian Skeptics Inc.
Sabre Konidaris	St Leonard's College Brighton	Impacts of the mosquito fish on Australian biodiversity	BHP Billiton

The Odeon: 12.30 - 1.30pm



Creative Writing - Intermediate

Major Bursary \$60

Name	School	Project Title	Sponsor
Ellen Taylor	Kingswood College	Keeping our biodiversity	The Walter and Eliza Hall Institute of Medical Research
Lauren Shearman	Girton Grammar School	Ferals versus natives	University of Melbourne: Science and Mathematics Education & ICT Education

Creative Writing - Intermediate

Minor Bursary \$45

Name	School	Project Title	Sponsor
Anna Grace Smith	Presbyterian Ladies' College	Guilt: ferals versus natives	Australian Institute of Energy
George Talliopoulos	Heathdale Christian College	Reclaiming the city	Australian Society for Biochemistry & Molecular Biology
Grace Ahn	Heathdale Christian College	Once upon a time there was plenty and now...	Minerals Council of Australia (Victorian Division)
Sharon Joseph	Heathdale Christian College	Once upon a time there was plenty and now...	Lanier (Australia) Pty Ltd
Deniz Ektem & Catherine Nguyen	Maribyrnong Secondary College	The Daintree inhabitants	Victoria University: Health, Engineering & Science
Lachlan Delmenico & Benjamin Nguyen	Maribyrnong Secondary College	The virus	The Walter and Eliza Hall Institute of Medical Research
Rebecca Miller	East Doncaster Secondary College	A fight for survival	Australian Society for Biochemistry & Molecular Biology
Alison Ong	Tintern Girls Grammar School	Reclaiming the city	Powercor Australia
Ellie Young	Tintern Girls Grammar School	Keeping our biodiversity	Rio Tinto Limited
Olivia Egan	Beaconnhills Christian College	Ferals versus natives	The Walter and Eliza Hall Institute of Medical Research

Working Models - Intermediate

Major Bursary \$65

Name	School	Project Title	Sponsor
Nicholas Debevec	Heathdale Christian College	Van de Graaf generator	BHP Billiton
Luke Ditria	St Kevin's College	How radios work	Catholic Education Office (Melbourne)

Working Models - Intermediate

Minor Bursary \$50

Name	School	Project Title	Sponsor
Stephen Elliston	Heathdale Christian College	Wonderful wind	Australian Skeptics Inc.

Computer Programs - Intermediate

Major Bursary \$65

Name	School	Project Title	Sponsor
James McCutcheon	St Kevin's College	Saving Australia's biodiversity	Field Naturalists Club of Victoria

The Odeon: 12.30 - 1.30pm

Computer Programs - Intermediate

Minor Bursary \$50

Name	School	Project Title	Sponsor
YunYun Ren & Lily Wang	Presbyterian Ladies College	Battle of the blood	Australian Society for Biochemistry & Molecular Biology
Daniel Lagondar & Wesley Wong	Camberwell Grammar School	Woolly jumper	Yakult Australia Pty Ltd
Andrew Chan	Camberwell Grammar School	Bacterial invasion	Department of Education & Early Childhood Development
Amarjit Batra	Camberwell Grammar School	Line 'em up!	Powercor Australia

Posters & Scientific Wall Charts - Intermediate

Major Bursary \$60

Name	School	Project Title	Sponsor
Adhishwar Ghose & Kanwal Singh	Werribee Secondary College	Impacts of invaders on Australian biodiversity	The Walter and Eliza Hall Institute of Medical Research
Taylah Ritchie & Natasha Roddick	Werribee Secondary College	Impacts of invaders on Australian biodiversity	Victoria University: Health, Engineering & Science

Posters & Scientific Wall Charts - Intermediate

Minor Bursary \$45

Name	School	Project Title	Sponsor
Patrick Anderson & Mats Manallack	Mentone Grammar School	Impacts of invaders on Australian biodiversity	Australian Skeptics Inc.
Lachlan Campain	Mentone Grammar School	Impacts of invaders on Australian biodiversity	BHP Billiton

Working Models - Open

Major Bursary \$65

Name	School	Project Title	Sponsor
Mason Bonacci & Tiarna Borleis	Beechworth Secondary College	Cloud seeding	Victoria University: Health, Engineering & Science



Department of Education and
Early Childhood Development

Energising Science and Mathematics Education Strategy

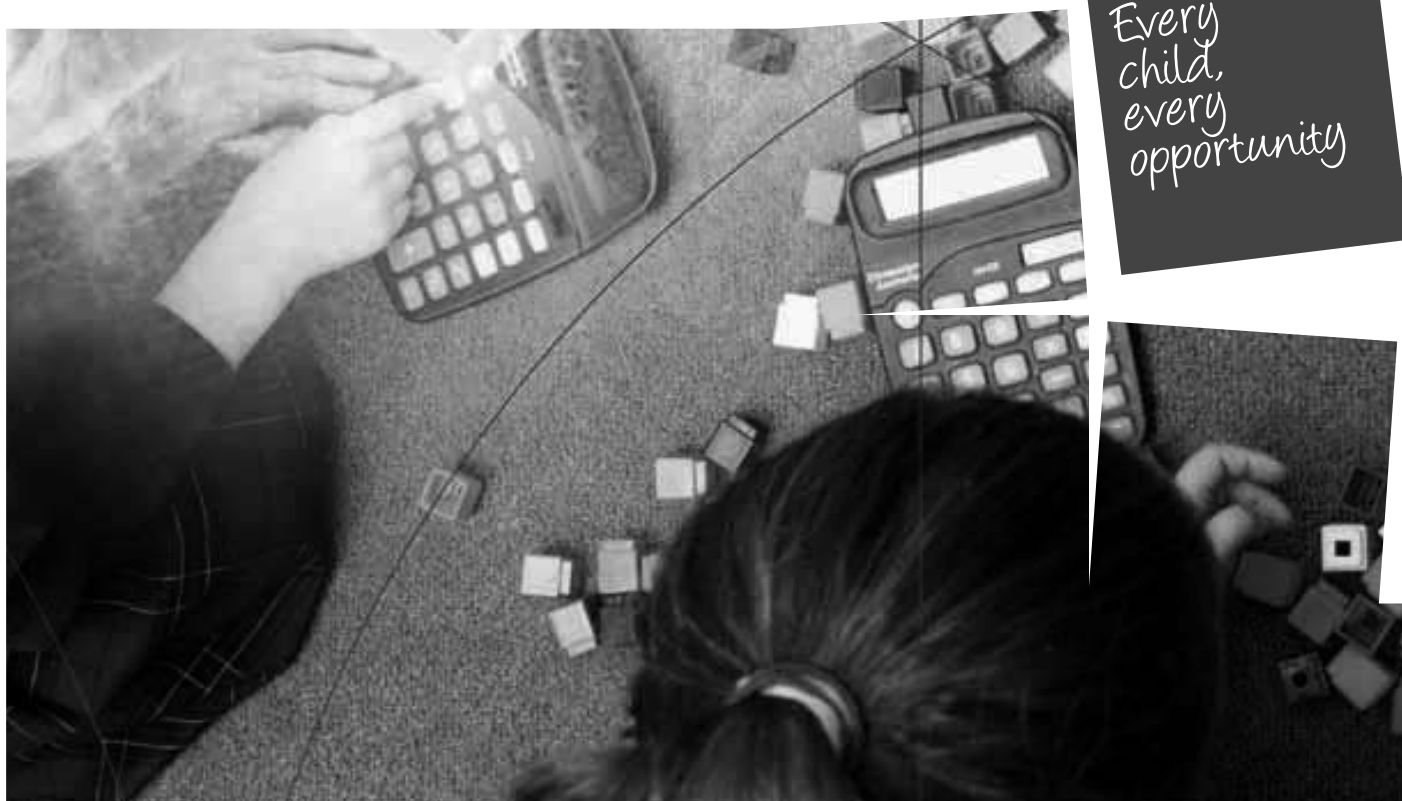
The Energising Science and Mathematics Education Strategy, released in August 2009, aims to attract more Victorian students to science and mathematics, engaging and maintaining their interest through a range of forward looking initiatives.

The Strategy is based on the premise that a sound grasp of science and mathematics among our young people is fundamental to Victoria's globalised environment. Energising Science and Mathematics Education will support new partnerships between schools and a range of industry, tertiary educators, government and communication organisations to provide rich and engaging experiences for young people and help them connect their school experiences with the world. The science and mathematics communities have considerable resources and expertise.

Strategic partnerships – key to the Strategy are building business, industry and tertiary education sector partnerships.

This enables student engagement with industry and the wider community, which will increase young people's connections with the science community. The Victorian Government currently has a number of long term partnerships with innovative companies and will continue to support partnerships and initiatives which will enable students to make links with business, industry and the tertiary sector and expose them to the broader science world.

For further information about the Strategy see www.education.vic.gov.au/about/directions/mathsandsciencestrat.htm



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Acknowledgements

STS Judges 2010



STS Co-Directors

Josie Crisara	Aitken College
Peter Craig	Mt Waverley Secondary College
Viv Eckersley	Aitken College
Leonie Lang	Retired science teacher
Miranda McKellar	Hoppers Crossing Secondary College

STS Committee 2010

Narelle Lakin-Hall	Aitken College
Lynette Lew	Balwyn High School
Diana Veremciukas	Cheltenham Secondary College
Matt Woodley	Coburg Primary School
Lynden Fielding	Edenhope College
Maureen Frith	Great Ryrie Primary School
Adrian Cameron	Hoppers Crossing Secondary College
Judith Sise	Lyndale Greens Primary School
Anne-Marie Williams	Methodist Ladies' College
Mee Ing Ong	Nazareth College
Soula Bennett	Quantum Victoria
Amelia Roemsari	Roxburgh College
Coleen Williamson	St Leonard's College
Jacinta Duncan	University of Melbourne
Pam Mulhall	University of Melbourne
Ann Pisarevsky	University of Melbourne
Christine Redman	University of Melbourne
Joanna Alexander	Vermont Secondary College
Ken Greateorex	Victorian Skeptics
Charles Tivendale	Victorian Skeptics
Ann Baxter	Worawa Aboriginal College
Annette Atkinson	
Dina Poutakidis	
Sarah Shatford	
Janice Teng	

STS assistants

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Suzanne O'Shannessy	STAV Executive Officer
Anne Heard	STAV Receptionist
Kerry Gledhill	STAV Accounts
Kellie Jackson	STAV Desktop Publisher

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Aquinas College	Heather Murtagh
Auburn South Primary School	Joanne Kretsis
Avila College	Penny Katselas Theo Van Eyk
Balwyn High School	Flynn Jungwirth Manju Mohandoss
Balwyn Primary School	Nick Orchard
Beaconhills Christian College	Katherine Ward
Beaconhills College – Valley (Primary)	Debbie Mason Elaine Simpson
Beaconhills College – Valley (Secondary)	Anne Bellavance Kelli McInnes
Beaconhills College – Village (Primary)	Anastasia Katsaras
Beechworth Secondary College	Michael Barnard
Bentleigh Secondary College	John Karydis Yvonne Sirianos
Braemar College (Secondary)	Elizabeth Dillon Coralie Taranto
Brighton Primary School	Michelle Mather Julie Murray
Brunswick Secondary College	Megan Mundy Georgina Tangey
Camberwell Grammar School (Primary)	Susan Rankin Sandra Blajer
Camberwell Grammar School (Senior)	Mark Williams
Camelot Rise Primary School	Christopher Young Jacqui Brooks
Carey Baptist Grammar School Donvale	Alysha Byrne Steve Wilson Jon Abbott
Carey Baptist Grammar School Kew	Louise Sayar Mark Smith
Catholic Ladies College	Michelle Bovino Christopher Haller
Catholic Regional College (Melton)	Phil Brown
Caulfield Grammar School (Caulfield Campus)	Ann Cathcart
Caulfield Grammar School (Malvern Campus)	Andrea Wylie Susan Grover Janine Reid

Committee members needed for 2011

The STS committee urgently needs new members for 2011. 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

STS Judges 2010

Caulfield South Primary School	Marianne Sichlau Katte Harman
Cheltenham Secondary College	Erin Bruns Jennifer Parker
Christian College Geelong (Middle School)	Lisa Pelchen
Clifton Hill Primary School	Louise Bradshaw Jenny Gay Diane Nevile
Deepdene Primary School	Simon Upchurch Maria Beale
Doncaster Secondary College	Carol Bristol
East Doncaster Secondary College	Geoff Flowers Bernie Kennedy Mart Hagel Sally Polidano
Eltham East Primary School	Tracey Beadles Margot Welton
Essendon North Primary School	Carole Upton
Essex Heights Primary School	Tim Lee
Fintona Girls School (Junior)	Lisa Broben Sue Moss Katrina Morgan
Fintona Girls School (Senior Secondary)	Meredith Begg Dianne Bereza
Firbank Grammar School	Anna Flynn Kerry Slater
Firbank Grammar School (Sandringham House)	Lisa Drum
Flinders Christian Community College (Carrum Downs)	Deborah Patterson
Flinders Christian Community College (Latrobe City Campus)	Patrick McCann
Galen Catholic College	Lauren Lee
Geelong College (Secondary)	Kristen Van Cleef
Geelong Grammar School (Glamorgan Campus)	Kirsty Mortimer
Genazzano F C J College	Marita O'Shea
Girton Grammar School (Junior)	Elizabeth Brown Sharon Ryan
Girton Grammar School (Senior)	Jane Reaburn
Glendal Primary School	Emma Bolton Christine Gilligan Julie Hse Lisa Tutt
Heathdale Christian College (Secondary)	Jim Talliopoulos
Hughesdale Primary School	Dean Geoff
Hume Central Secondary College (Blair Street)	Russel Dyer Sanga Vellore Suellen Gomes-McGlashan Geoff Dean

Huntingtower School (Primary)	Susan Tawia
Huntingtower School (Secondary)	Patricia Dove
Jells Park Primary School	Kevin Oakey Scott Zachariassen
Jeparit Primary School	Jeanie Clark
Kew High School	Trish Tedesco Lorna Mckellar
Kilvington Girls' Grammar (Senior)	Jennifer Bardsley Vicki Gale Alison Kershaw
Kingswood College (Secondary)	Iain Murphy
Kolbe Catholic College	Michael Walsh
Korowa Anglican Girls School (Secondary)	Jenn Alabaster
Kurunjang Secondary College	John Gerohristodoulou Frank Kovacevic
Lauriston Girls School (Primary)	Celeste McMillan
Lilydale High School	Jodie Street
Lyndale Secondary College	Susan Petousis
Maranatha Christian School (Secondary)	Ann Conibear
Maribyrnong Secondary College	Laura Cassar Clinton Hale Laura Todorov
Marymede Catholic College (Primary)	Marguerite Cooke
Mckinnon Secondary College	Cherie Marks Owen Shepherd
Melbourne Girls Grammar (Merton Hall)	Megan Lee
Mentone Grammar School (Middle)	Leonie Redfern Wayne Reed
Methodist Ladies College (Junior School)	Claire Reid Iain Masheder
Methodist Ladies' College (Senior School)	Kelly Emerton Ben Lyons Jenny Wilson Cassie Blainey Jill Crawford Tom Curtis Vera Hudson Mark Richard
Minaret College (Secondary)	Mehar Saeed
Mirboo North Secondary College	Christine Oliver
Mount Lilydale Mercy College	Urszula Faulkner Karen Myers
Mount Waverley Secondary College (Junior School)	Felicity Adams Danielle Thomas Jane Griffiths Felicity Adams
Mowbray College (Primary)	Amy Warlow
Mt Eliza Primary School	Jeff Dirago Victoria Dirago

STS Judges 2010



Our Lady Help Of Christians School	Lindy Chaplin-Holmes
Overnewton Anglican Community College (Primary)	Michelle Bonvino Rachel Crowther Roselyn Muir
Pakenham Secondary College	Sonia Bhatia
Parade College	Janette Berglez
Penola Catholic College	Sandra Mancini
Presbyterian Ladies College (Junior School)	Kate Benholz Jennie Maxwell Alison Steele
Presbyterian Ladies College (Senior)	Andrea Skinner Sibella Guest Misja Carbo
Princes Hill Secondary College	Margaret Fry Cathy Nelson
Roberts McCubbin Primary School	Raelene Aleandro
Ruyton Girls' School	Maria Di Vitto
Ruyton Girls' School (Primary)	Antionietta Mercuri
Sacre Coeur (Secondary)	Genevieve Muir-Smith
Sacred Heart College (Kyneton)	Marika Payne
Salesian College (Chadstone)	Seamus Scorgie
Santa Maria College	Ruth Pendavingh
Scotch College (Junior)	Anthony Tasca
Scotch College (Senior)	Renee Hill John Jackowski
Serpell Primary School	Lindsey Bates Nicholas Burden Avril Morris
Shelford Girls Grammar School (Primary)	Jacqueline Sidaway Candice Skinner
Solway Primary School	Pamela Bowen Prue Mitchell Catherine Padey
Southmoor Primary School	Jen Cole
St Bedes College	Ewa Biviano
St Catherine's School (Primary)	Sue Cooke Jessica Parker
St Johns Regional College	Jenny Menzies
St Joseph's School	Simon Collis Geraldine Pepper
St Josephs College Mildura	Robert Wolfe John McGlashan
St Kevins College (Secondary)	Darren Cook Sarah Beamish Mark Harvey John Smyth

St Leonard's College Brighton (Secondary)	Jane Cuttler Justine Werba
St Thomas The Apostle Primary School	Samantha Smith Julie Buick Miranda Armstrong
Strathcona Baptist G.G.S (Senior)	Ian McDonald Pam Welsford
Sunbury Downs Secondary College	Anina Alexander Malanie Metz
Taylors Lakes Secondary College	Claudia Covarrubias
The Grange Secondary College	Ajshe Thaqi
The Hamilton and Alexandra College (Senior)	Rebekah Bonnett
The King David School (Magid Campus)	Russell Newman
Thornbury High School	Danielle Barnes Glenn Bason
Tintern Girls Grammar School (Secondary)	Lanna Derry Diane Grochowska
Toorak Primary School	Sharon Lomas
Tucker Road Primary Bentleigh	Tam Faiman Kerrie Gentner
Werribee Secondary College	Bruce Drummond
Wesley College (Junior Campus)	Russell Welsh
Wesley College (Middle School)	Oliver Thomas
Wesley College (St Kilda Road Primary)	Vanessa Phillips
Whealers Hill Secondary College	Sally Horne
Wooranna Park Primary School	Anne Gordon Anthony Lowne Eliza Floyd
Xavier College (Burke Hall Campus)	Susan Snooks John Retchford Pam Robertson

STS Co-ordinator Reports

Experimental research – Junior

Section coordinators: Josie Crisara, Aitken College and Anne-Marie Williams, Methodist Ladies' College

The increase in numbers of students entering this section has been encouraging. Experimental research is very much the work of a scientist. A broad range of topics for research were presented but some of the true and tried experiments again dominated the themes – such as plant growth investigations.

Students should be encouraged to look at topics that solve a problem as this can then produce a creative twist to a topic. The main concepts of experimental design should be reinforced – these include investigate the effects of one variable at a time, recognizing the importance of controls, to collect objective data (generally that involves measurement) and the need to do multiple trials of an experiment to ensure consistency of results. Another area of focus could include work on introductions. This requires some research into a topic with explanations of key terms and concepts. Some students would discuss results without clearly explaining key scientific concepts and ideas.

Students receiving bursaries are to be congratulated on their great work and we encourage them in the pursuit of improving their scientific investigation skills.

Experimental Research – Intermediate and Open

Section coordinators: Charles Tivendale, Victorian Skeptics and Miranda McKellar, Hoppers Crossing Secondary College

Again, entry numbers were a little down on the average. Perhaps this reflects the workload students and teachers are experiencing. But still there were some excellent entries. We acknowledge and thank teachers who put in extra time to be part of STS.

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. This is what gets acknowledgement and bursaries, not the ability to follow a cookbook.

Comments from previous year's reports seem to have been noted; nearly all folders were manila type; distracting fonts, backgrounds and cute pictures were minimal; results were quoted to an appropriate number of significant figures. But there were still some titles which gave no clue as to the nature of the experiment. 'What you need to know!' as a title conveys nothing to the reader. One or two titles were so long that when truncated so as to fit on a label, became meaningless.

Some reports had extensive data sets or tables, but graphs showing interesting aspects of the data are preferred as they convey relevant information faster to the reader. Graphs

should have a title, labelled axes, and maybe a legend if there are two or more lines on the graph. Points lying well away from the graph need comment and should not be discarded without good reason. Graphs with regression lines and r^2 values need a comment on their significance

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, and no number of repeat measurements will eliminate this.

Students who take the time to check (and record) the accuracy of test equipment they use improve the quality of their report.

Considerable care is required to get unbiased samples from a large population, if conclusions are to be applied to the whole population. Reports where large sample are used would benefit from a discussion of the criteria used in selecting the samples, whether they be people in a psychology experiment or torch batteries.

Some students 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.

The CSIRO Journal of Soil Research guidelines for scientific reports at <http://bit.ly/b8mONf> is worth studying. Unless these guidelines are followed, the paper will not be published in their journal, and must be corrected before resubmission. Some (abbreviated) guidelines are:

The TITLE should be concise and appropriately informative.

The ABSTRACT (preferably less than 200 words) should state concisely the scope of the work and give the principal findings.

Sufficient experimental detail should be given to enable the work to be repeated.

The DISCUSSION should explain the significance of the results.



Computer programs – games and simulations

Section coordinators: Mee Ing Ong, Nazareth College and Lynette Lew, Balwyn High School

Saturday 14th August proved to be a wonderful and enjoyable experience for students as they demonstrated their understanding of computer knowledge, depth of expertise and creativity in their projects. It was obvious that the entrants had spent many exhausting hours after school and weekends to produce, develop and refine their final product.

Notably, some students were able to showcase their advanced skills in a computer language such as Macros or use of software such as Game Maker. Common scientific themes in this year's entries included: natural selection, survival of the fittest and adaptation.

It is important to note that judges can only award the major and minor prizes to those students who adhere closely to the criterion specified in the 2010 Science Talent Search handbook. In particular, successful students in this year's competition were able to show the amount and quality of science embedded in their computer application and how this information could be used to teach the intended audience. It is unfortunate that some students did not submit a flow chart or provide references or documentation or some of the guidelines was missing, perhaps due to last minute preparations.

The number of entries in this section was similar to the previous year. Whilst most participants were entered in the Lower and Upper Primary and Junior divisions, it is pleasing to note that the number of entries in the Intermediate division increased. Unfortunately, there were no students entered in the Open division.

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

For all participants we hope it was a memorable experience for you. We hope to see you and your friends on judging day 2011, to demonstrate your computer program or simulation.

Posters-scientific wall charts – Lower Primary and Primary

Section coordinator: Ann Pisarevsky, University of Melbourne

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

This year 197 posters were entered with 109 from upper primary and 88 from the lower primary. Of those students who entered in the lower primary section eight received a mayor bursary and twelve received a minor bursary. In upper primary fourteen received a major bursary and twenty-nine received minors.

Students were asked to address one of the set topics– Australian forests under the waves, adapting to bushfires,

floods and extreme temperatures or why are our native species disappearing? The judges felt that most posters were well set out and presented a good understanding of the scientific content relating to the topic.

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.

Posters-scientific wall charts – Junior and Intermediate

Section coordinator: Diana Veremciukas, Cheltenham Secondary College

The Judging Day on Saturday the 14th of August ran smoothly thanks to the enthusiasm and professionalism of the forty volunteer judges, whose make-up included secondary and primary teachers, and Melbourne University trainee 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. The number of entries received was down on last year, perhaps due to increased student sporting commitments or illness.

One hundred and fifteen Junior entries were received. Of the entries received 13 won Major bursaries, 32 won Minor bursaries and 31 received Merit certificates.

Only eight Intermediate entries were received. Of the entries received, two won Major bursaries, two won Minor bursaries and one received a Merit certificate. We encourage more year 9 and 10+ students to enter next year.

Favourite topics for entrants were: "Impact of invaders on Australian biodiversity" at 61%. Posters included data on the following introduced species - European Wasps, Carp, Rabbits, Horses, Mosquito fish, Buffaloes, Camels, Cane Toad, Paterson Curse weed, Cats, Foxes, European Green Shore crab and Feral Locusts. Next, "Biodiversity in my backyard" at 21%. Students not only carried out surveys of their own backyards, but also other areas, for example: Gardiner's Creek and local parks, and represented their findings in their posters.

"Bacteria and Australian biodiversity" at 13%, included data on different strains of bacteria (some introduced) and their effects on native plant and animal biodiversity. Lastly, "Links between species – more than just food" at 5% only. This produced some interesting posters on Symbiotic and Evolutionary links between species.

Congratulations to all who entered the Posters section this year. We are already looking forward to 2011 and discovering what students with commitment, enthusiasm and support from teachers and parents can do with next year's theme which is related to Chemistry.

STS Co-ordinator Reports

Creative writing – Lower Primary and Primary

Section coordinator: Judith Sise, Lyndale Greens Primary School

This year's theme of Australian Biodiversity was embraced enthusiastically by primary school students. The term biodiversity is presently fashionable and many people and students use it vaguely to refer to anything to do with the natural world. *The Bird Observer* (May 2010) defined biodiversity as 'the variety of species, the variety of genetic material within a species and ecosystem diversity. Quantifying the diversity of plants and animals within Australia could further illustrate understanding of biodiversity. Australia is home to more than 560 000 species and many found nowhere else on earth.'

While many students did not quite come to grips with this definition, they energetically researched, wrote stories and created beautiful illustrations using the four set topics. Of course, the popular topics were 'Give Me a Home Amongst the Gum Trees' and 'My Island Home' – both being popular songs which immediately resonated with primary students. However some of the most interesting picture story books were created when students took on the challenging topics, 'Up through the Ground They Came' and 'In the Darkness I sensed..'.

Each year, students constantly push the boundaries of the illustration criteria which states '*pictures must be hand drawn or produced on a computer. Clip Art, downloaded illustrations or photographs won't rate highly and may infringe copyright requirement*'. Some students have produced beautiful mosaic pictures using natural materials and laminated the results. The thickness of these books always creates a problem when posting entries to judges across the state. It was good to see more students incorporating poetry and trialling different genre into their entries. There remain the few students, and their teachers, who do not read the criteria and choose topics outside the listed four or fail to meet the word count.

Congratulations to all student writers and illustrators. The judges and I enjoyed the picture story books immensely. Congratulations to the twenty-one judges who assessed the hundreds of entries in a very short time allowing me to complete the judging recording process punctually. I am looking forward to next year's stories already.

Creative Writing – Intermediate

Section Coordinator: Lynden Fielding, Edenhope College

The overall standard of Intermediate Creative Writing entries was very pleasing in 2010, and nearly all entries were able to gain a Merit Certificate, if they did not achieve a Major or Minor Bursary. Major and Minor Bursary winning entries shone with accurate scientific content incorporated into original and creative stories.

Two Major Bursaries of \$60 and ten Minor Bursaries of \$45 were awarded. Lauren Shearman's Major Bursary winning entry – 'Ferals versus natives' was an original and informative story whose narrative voice was a passionate biologist. And the 'feral'? The cane toad! Lauren also wrote a Major Bursary winning story last year as a Year 9 student, so she has definitely proven her success with this writing genre. Year 9 student Ellen Taylor's Major Bursary writing – 'Keeping our biodiversity' took the form of a letter from an Australian scientist in the year 2130. Her story caught the reader's attention from the start and the science content was clearly presented. Ellen's main character? Again, the cane toad!

In 2010, twenty-eight entries were received from students at thirteen schools across Victoria, and a judging panel of four teachers assessed the entries. Equally popular of the four Biodiversity topics were 'Once upon a time there was plenty and now...' and 'Keeping our biodiversity', with two thirds of students choosing these topics. The other two topics were 'Ferals versus natives' and 'Reclaiming the city'. Although chosen less, these topics did lend themselves to some very original and creative storylines.

In this year's stories, the cast of 'natives' included Eastern Grey Kangaroo, Helmeted Honeyeater, Common Ringtail Possum, Cassowary, Tasmanian Tiger, Bilby, Acacia Boormanii and Eucalyptus Porosa. The cast of 'ferals' included cane toads, cats and rabbits. Story locations included the Great Barrier Reef, the Daintree Rainforest and the Great Sandy Desert.

The 'accuracy of science content' and 'relevance of science to the topic' criteria were generally rated highly by the judges this year. Most entrants carefully followed the guidelines for Creative Writing in the STS Handbook, including providing an appendix of five key scientific ideas and a bibliography and keeping within the maximum word count. References for internet resources were generally complete with the name of the article/source, the URL address and the date and time of access listed.

Thank you to our judges for their assessment time and comments, including 'great ideas presented', 'interesting use of perspective from the cat', 'fantastic integration of the science of biodiversity', 'excellent commentary', 'you are very imaginative', 'your story was very informative', 'a very interesting and engaging story' and 'science was well integrated'.

Well done to all the 2010 Creative Writing – Intermediate section authors on your efforts and congratulations to all who achieved Bursary and Merit Awards.

