

# 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 2 November 2011

8:30am to 10:00am ONLY Registration in the foyer of Union Hall

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

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

**Union Hall** Professor Brian Davey,  
School of Engineering and Mathematical Sciences, La Trobe University

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

**Agora Cinema** Sections: Creative Writing, Class Projects  
Presenter: Ms Tamara Brawn, Bionic Vision Australia

**Agora Theatre** Sections: Inventions, Working Models, Science Photography, Video Productions (DVD),  
Experimental Research  
Presenter: Dr Chris Fluke, Swinburne University of Technology

**The Odeon** Sections: Games, Computer Programs, Posters and Scientific Wall Charts  
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, Computer Programs, Video Productions (DVD)  
Presenter: Dr Sandra McLaren, The University of Melbourne

**Agora Theatre** Sections: Experimental Research, Science Photography  
Presenter: Mr David Trotter, CSIRO Education

**The Odeon** Sections: Creative Writing, Working Models, Inventions, Posters and Scientific  
Wall Charts  
Presenter: Professor Carl Schiesser, ARC Centre of Excellence for Free Radical Chemistry  
& Biotechnology

*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 2011 Science Talent Search.

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

➤ [latrobe.edu.au/scitecheng](http://latrobe.edu.au/scitecheng)

1300 135 045



**Infinite Possibilities**

# Contents

<b>About the Science Talent Search .....</b>	<b>inside front cover</b>
<b>In Appreciation.....</b>	<b>4</b>
<b>School Awards.....</b>	<b>4</b>
<b>Agora Cinema: 11.15am - 12.15pm .....</b>	<b>5</b>
Creative Writing - Lower Primary .....	5
Class Project - Lower Primary.....	5
Creative Writing - Primary .....	6
Class Project - Primary.....	7
<b>Agora Theatre: 11.15am - 12.15pm .....</b>	<b>8</b>
Experimental Research - Lower Primary.....	8
Inventions - Lower Primary .....	8
Working Models - Lower Primary.....	8
Science Photography - Lower Primary .....	9
Video Productions - Lower Primary .....	9
Experimental Research - Primary.....	9
Inventions - Primary .....	11
Working Models - Primary.....	11
Science Photography - Primary .....	12
Video Productions - Primary .....	12
<b>The Odeon: 11.15am - 12.15pm .....</b>	<b>13</b>
Games - Lower Primary.....	13
Computer Programs - Lower Primary .....	13
Posters & Scientific Wallcharts - Lower Primary .....	14
Games - Primary.....	15
Computer Programs - Primary .....	15
Posters & Scientific Wallcharts - Primary .....	16
<b>Agora Cinema: 12.30pm - 1.30pm.....</b>	<b>18</b>
Games - Junior .....	18
Computer Programs - Junior.....	19
Video Productions - Junior .....	19
Games - Intermediate .....	20
Computer Programs - Intermediate .....	20
Video Productions - Intermediate.....	21
Games - Open.....	21
Computer Programs - Open .....	21
<b>Agora Theatre: 12.30pm - 1.30pm .....</b>	<b>22</b>
Experimental Research - Junior .....	22
Science Photography - Junior .....	24
Experimental Research - Intermediate .....	24
Science Photography - Intermediate.....	25
Experimental Research - Open.....	26
<b>The Odeon: 12.30pm - 1.30pm.....</b>	<b>27</b>
Inventions - Junior .....	27
Creative Writing - Junior.....	27
Working Models - Junior .....	28
Posters & Scientific Wallcharts - Junior .....	29
Inventions - Intermediate.....	30
Creative Writing - Intermediate.....	30
Working Models - Intermediate .....	31
Posters & Scientific Wallcharts - Intermediate.....	31
<b>STS Sponsors .....</b>	<b>32 - 41</b>
<b>Acknowledgements .....</b>	<b>42</b>
<b>STS Judges 2011 .....</b>	<b>42 - 44</b>
<b>STS Co-ordinator reports 2011.....</b>	<b>45 - 48</b>
<b>Map of La Trobe University.....</b>	<b>inside back cover</b>



# In Appreciation

The Science Teachers' Association of Victoria Inc. and the Co-Directors of the 60th Science Talent Search are grateful to the organisations who have given generous support to this year's competition; to the STS Committee for their enthusiastic and positive approach and to Kevin Coates, together with the staff of La Trobe University, for their co-operation and organisation of the Science Talent Search Exhibition and Presentation Day at La Trobe University.

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

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

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

## The STS Committee

The STS Co-directors extend their thanks and appreciation to the STS committee members who worked diligently throughout the year to ensure the competition ran smoothly. Committee members are listed on page 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), Annette McKenna (Administration Manager) 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

### **Solway Primary School**

*Sponsored by Victorian Department of Education and Early Childhood Development*

### **Presbyterian Ladies' College: Junior**

*Sponsored by BHP Billiton and CSIRO*

### **Cheltenham Secondary College**

*Sponsored by Victorian Department of Education and Early Childhood Development*

### **Fintona Girls' School: Senior**

*Sponsored by BHP Billiton and CSIRO*

## The Hugh McKnight Encouragement Awards

### **Serpell Primary School**

*Sponsored by Department of Education and Early Childhood Development*

### **St Thomas The Apostle: Primary**

*Sponsored by BHP Billiton and CSIRO*

### **East Doncaster Secondary College**

*Sponsored by Department of Education and Early Childhood Development*

### **Presbyterian Ladies' College: Senior**

*Sponsored by BHP Billiton and CSIRO*

# Agora Cinema: 11.15am - 12.15pm

## Creative Writing - Lower Primary

### Major Bursary \$40

Name	School	Project Title	Sponsor
Emily Leumont	Doncaster Gardens Primary School	I was working in the lab late one night	Department of Education & Early Childhood Development
Stephanie Kondopoulos	Tucker Road Primary: Bentleigh	Deep in the rainforest the chemist searched...	Australian Institute of Energy
Keirath Singh	Firbank Grammar School: Sandringham House	I was working in the lab one night when...	Australian Skeptics Science and Education Foundation
Lily Wade	Eltham East Primary School	WOW! The formula worked	Dr Joy Bear
Alexander Smyth	Firbank Grammar School: Sandringham House	WOW! The formula worked	In Memory of Eileen Goodfield & Dorothy Dalton

## Creative Writing - Lower Primary

### Minor Bursary \$30

Name	School	Project Title	Sponsor
Callan Baker	Deepdene Primary School	I was working late in the lab...	Department of Education & Early Childhood Development
Liam Perumal	Overnewton Anglican Community College: Primary	Deep in the rainforest the chemist searched...	Victoria University: Health, Engineering & Science
Tara Niemes	Serpell Primary School	WOW! The formula worked	BHP Billiton
Ruby Wolfe	Firbank Grammar School: Sandringham House	The hydrogen twins to the rescue!	Independent Primary School Heads of Australia
Natalie Coman	Firbank Grammar School: Sandringham House	A cave catastrophe	Fiona Trapani
Ella Koch	Carey Baptist Grammar School Donvale	The scientist, the possum and the explosion	Powercor Australia
Hugh Foster & Georgia O' Dea	Solway Primary School	Deep in the rainforest the chemist searched...	The Royal Society of Victoria Inc.
Thalia Worsam	Roberts McCubbin Primary School	The mad scientist	Australian Skeptics Science and Education Foundation
Jesse Fiebig-Van Der Zypp & William Grimshaw	St Leonard's College Cornish Campus	WOW! The formula worked	Yakult Australia Pty Ltd
Bailey Chessum & Christopher Peters	St Leonard's College Cornish Campus	WOW! the formula worked	Victorian Teachers Credit Union Ltd

## Class Project - Lower Primary

### Major Bursary \$250

Name	School	Project Title	Sponsor
<b>Auburn South Primary School</b>		Are we a chemical factory?	Powercor Australia
Ryan Apostolou	Jack Bourke	Max Burn	Ethan Castellan
Kalisha Cavanagh	Nicholas Chan	Maya Charles	Sam Chatfield
Elsie Craigie	Matthew Davy	Issy Fortey	Sophie Gorton
Bosco Leung	Lexie McCulloch	Hugh McNamara	Mia Parkin
James Rankin	Jack Roberts	Alexander Shaw	Noah Taylor
Andy Tra	Rory Wheelhouse		

# Agora Cinema: 11.15am - 12.15pm



## Creative Writing - Primary

### Major Bursary \$50

Name	School	Project Title	Sponsor
Luka Dickson	Clifton Hill Primary School	Deep in the rain forest the chemist searched	Department of Education & Early Childhood Development
Chloe Leumont	Doncaster Gardens Primary School	WOW! the formula worked	Dr Joy Bear
Nikkita Chandhani & Pollyanna Dowell	Fintona Girls School: Primary	Time's running out	The Royal Society of Victoria Inc.
Molly Horan & Esther Zhao	Fintona Girls School: Primary	The amazing Amazon	Swinburne University of Technology
Paris Lovett & Christina Nguyen	Fintona Girls School: Primary	Uh oh.....	Rio Tinto Limited
Katerina Anastasiou & Esther Hamilton	Fintona Girls School: Primary	The virus	Swinburne University of Technology
Kerri-Lee Diamond	Presbyterian Ladies College: Junior School	Experience the wonders of chemistry	Rio Tinto Limited
Kelvin Nguyen	Essex Heights Primary School	I was working in the lab late one night when...	Powercor Australia
Asmitha Prabakaran & Brynne Taft	Fintona Girls School: Primary	A scientific journey for a cure	The Royal Society of Victoria Inc.
Priyanka Dayabhai	Serpell Primary School	Deep in the rain forest the chemist searched	Victorian Teachers Credit Union Ltd
Florence Liu	Carey Baptist Grammar School: Donvale	WOW! the formula worked	Independent Primary School Heads of Australia

## Creative Writing - Primary

### Minor Bursary \$35

Name	School	Project Title	Sponsor
Kayla Wilson	Mt Eliza Primary School	A series of unfortunate reactions	Australian Institute of Physics: Victorian Branch
Faizah Alam & Gayatri Chaturvedi	Fintona Girls School: Primary	The value of patience	Independent Primary School Heads of Australia
Rachel Lang & Serena Wang	Fintona Girls School: Primary	Killer or cure	Australian Skeptics Science and Education Foundation
Chethani Atapattu & Ruby Keeble	Fintona Girls School: Primary	Fly trap of DOOM!	Entomological Society of Victoria Inc.
Matisse Montague & Rose O'Brien	Fintona Girls School: Primary	An amazing discovery	Powercor Australia
James Hally	Caulfield Grammar School: Malvern Campus	A series of unfortunate events	Rio Tinto Limited
Lucinda Gibson	Presbyterian Ladies College: Junior School	The chemistry of fire	The University of Melbourne (Science Education)
Emily Lam & Charlotte Parker	Fintona Girls School: Primary	The explosion	Australian Skeptics Science and Education Foundation
Sam Ponsford	Carey Baptist Grammar: Junior School Kew	Deep in the rain forest the chemist searched	Swinburne University of Technology
Ruby Fisher & Macy Fuller	Yaapeet Primary School	A series of unfortunate reactions	Vaisala Pty Ltd
Olivia Kourmadias	Serpell Primary School	A series of unfortunate reactions	Victorian Teachers Credit Union Ltd
Matthew Glover	Beaconhills College: Valley (primary)	Spontaneous combustion	Vaisala Pty Ltd
Rebecca Batrouney	Deepdene Primary School	WOW! the formula worked	The University of Melbourne (Science Education)
Grace Stella	Carey Baptist Grammar School: Donvale	Water matters	The Royal Society of Victoria Inc.
Anna Jolley	Eltham East Primary School	I was working in the lab late one night when	Minerals Council of Australia (Victorian Division)



# Agora Cinema: 11.15am - 12.15pm

## Creative Writing - Primary (continued)

### Minor Bursary \$35

Name	School	Project Title	Sponsor
Sienna Gibson	Eltham East Primary School	Deep in the rain forest the chemist searched	Powercor Australia
Jay Sun	Glendal Primary School	A series of unfortunate reactions	Vaisala Pty Ltd
Finlay Kain & Connor Nugent	St Leonard's College: Cornish Campus	Deep in the rainforest the chemist searched....	The Royal Society of Victoria Inc.
Jacob Arfi & Eliza Clarke	St Thomas the Apostle Primary School	I was working in the lab late one night when...	Catholic Education Office (Melbourne)
Elena McCann & Christian Rocuzzo	St Thomas the Apostle Primary School	I was working in the lab late one night when...	Victorian Teachers Credit Union Ltd
Gabrielle Asta-Parisi	St Thomas the Apostle School	Deep in the rainforest the chemist searched...	Catholic Education Office Primary (Melbourne)
Jake Angelovski & Niamh Kearney	St Thomas the Apostle Primary School	A series of unfortunate reactions	Australian Skeptics Science and Education Foundation
Emily Jinu	Heathdale Christian College	Deep in the rainforest the chemist searched....	Powercor Australia

## Class Project - Primary

### Minor Bursary \$200

Name	School	Project Title	Sponsor
<b>Shelford Girls Grammar School: Primary</b>		Stop that Mouldy Bread!	Rio Tinto Limited
Tiadora Botakis	Jamilla Candy	Sophie Chambers	Chloe Chin
Lilli Hancock	Sophie Hughes	Lucinda Josem	Alana Komesaroff
Cleopatra Kopanidis	Anna Logachova	Georgia MacMillan	Samantha Murray
Kathryn Raphael	Haruka Uota	Rachel Wooding	Yutian Xi
Mikailah You			

# Agora Theatre: 11.15am - 12.15pm



## Experimental Research - Lower Primary

### Major Bursary \$50

Name	School	Project Title	Sponsor
Ben Lawrence	Tucker Road Primary: Bentleigh	Does salt air cause my bike to rust?	Department of Education & Early Childhood Development
Jasmine Smyth	Firbank Grammar School: Sandringham House	Why do apples go brown?	BHP Billiton
Isaac Ruys & Ethan Wong	Roberts McCubbin Primary School	Electric juice	The Royal Society of Victoria Inc.

## Experimental Research - Lower Primary

### Minor Bursary \$35

Name	School	Project Title	Sponsor
Gwyneth Chan	Serpell Primary School	How to stop cut apples from turning brown	Department of Education & Early Childhood Development
Amrita Saha	Glendal Primary School	What type of liquids corrodes metal the fastest?	BHP Billiton
Bi-Yan Low	Glendal Primary School	What is the best way to stop a cut apple turning brown?	Australian Society for Biochemistry & Molecular Biology
Stephanie Barwick	St Leonard's College: Junior School	How long does ice cream take to melt?	BHP Billiton
Emily Doyle	Solway Primary School	What will happen to a tooth?	Department of Education & Early Childhood Development
Lynn Shan	Wesley College	Do plants grow towards the light?	BHP Billiton

## Inventions - Lower Primary

### Minor Bursary \$35

Name	School	Project Title	Sponsor
Benjamin Huntsman & Kevin Seo	Wesley College	A floating garden	Australian Skeptics Science and Education Foundation

## Working Models - Lower Primary

### Major Bursary \$45

Name	School	Project Title	Sponsor
Jonathan Ciccone	Overnewton Anglican Community College: Primary	Colours of chemistry	Victoria University: Health, Engineering & Science
Lucinda Campbell	Wesley College	Warning light	Rio Tinto Limited
Joseph Davies	Wesley College	A machine to show how current is changed	BHP Billiton

## Working Models - Lower Primary

### Minor Bursary \$30

Name	School	Project Title	Sponsor
Thomas Corbett-Davies	Roberts McCubbin Primary School	Super solar power	Powercor Australia
Quinn Coetzee	Serpell Primary School	Water takes the easiest route to the lowest point	Department of Education & Early Childhood Development



# Agora Theatre: 11.15am - 12.15pm

## Science Photography - Lower Primary

### Major Bursary \$40

Name	School	Project Title	Sponsor
Danil Yahnov	Glendal Primary School	The wonder of fungi	Field Naturalists Club of Victoria
Marina Baroudi	Glendal Primary School	Crystals	Chemistry Education Association
Kiara Jarvis	Hume Anglican Grammar School: Primary	Bake a cake	Victoria University: Health, Engineering & Science

## Science Photography - Lower Primary

### Minor Bursary \$30

Name	School	Project Title	Sponsor
Jemott Mohan	Glendal Primary School	Clouds	Australian Skeptics Science and Education Foundation
Andrew Ogden	Carey Baptist Grammar School Donvale	Chemistry in my pool	Chemistry Education Association
Tess Nolan	Solway Primary School	Colours on a kaleidoscope	Department of Education & Early Childhood Development
Shielyn Hasseini	St Thomas the Apostle Primary School	How beans grow	Catholic Education Office (Melbourne)
Tyler Carr	St Thomas the Apostle Primary School	How cement works	Victorian Teachers Credit Union Ltd

## Video Productions - Lower Primary

### Major Bursary \$45

Name	School	Project Title	Sponsor
James Martin & Aiden Mitsel	Caulfield South Primary School	Ze amazing liquids	Australian Skeptics Science and Education Foundation
Finn Keighley & Luke Kemp	Solway Primary School	The experiment	Department of Education & Early Childhood Development

## Video Productions - Lower Primary

### Minor Bursary \$30

Name	School	Project Title	Sponsor
Patrick O'Mara	Essex Heights Primary School	Volcanic eruptions	In Memory of Eileen Goodfield & Dorothy Dalton

## Experimental Research - Primary

### Major Bursary \$60

Name	School	Project Title	Sponsor
Giancarlo Papantuono	Clifton Hill Primary School	Experimenting	Department of Education & Early Childhood Development
Hayden Lee	Carey Baptist Grammar School: Donvale	Biofuel	BHP Billiton
Justin Liu	Carey Baptist Grammar School: Donvale	The best way to remove chlorine from tap water	The Royal Society of Victoria Inc.
Claire McManus	Serpell Primary School	Investigating acids and bases in common products at home	Australian Skeptics Science and Education Foundation
Gerard Wijaya	Serpell Primary School	Research on the environment a plant may grow in	Department of Education & Early Childhood Development
Astrid Nissila-Browne	Shelford Girls Grammar School: Primary	How does light colour affect plant growth?	BHP Billiton
Ruby Miller	Shelford Girls Grammar School: Primary	How does temperature affect the rate of a berocca dissolving in water?	Independent Primary School Heads of Australia

# Agora Theatre: 11.15am - 12.15pm



## Experimental Research - Primary (continued)

### Major Bursary \$60

Name	School	Project Title	Sponsor
Demi Markakis	St Catherine's School: Primary	Experimental fun	BHP Billiton
Ellen Carse	Roberts McCubbin Primary School	Can eggs bounce?	Department of Education & Early Childhood Development
Madison Wilkie	Shelford Girls Grammar School: Primary	Which generation has the best memory?	Australian Skeptics Science and Education Foundation
Holly Simondsen & Katrina Weigold	Ruyton Girls' School: Primary	Sports diary	BHP Billiton

## Experimental Research - Primary

### Minor Bursary \$45

Name	School	Project Title	Sponsor
Sarah Houghton	Presbyterian Ladies College: Junior School	What is the best way to stop cut apples from turning brown?	BHP Billiton
Raagini Mehra	Presbyterian Ladies College: Junior School	What household product is the most useful in cleaning tiles?	The Royal Society of Victoria Inc.
Jaymi Mann	Beaconhills College: Valley (Primary)	What effect does water have on Bird Flowers?	BHP Billiton
Kyria Wawryk	Firbank Grammar School: Sandringham House	How to make perfect chocolate milk	Yakult Australia Pty Ltd
Caitlin Bryan	Carey Baptist Grammar School: Donvale	Bar soaps: how good are they?	BHP Billiton
Sashka Samarawickrama	Serpell Primary School	Measuring the voltage of some fruits & vegetables found at home	Department of Education & Early Childhood Development
Hui Shan Thoo	Serpell Primary School	Do plants grow better with music?	Australian Skeptics Science and Education Foundation
Ella Yoannidis	Serpell Primary School	Do clothes make a difference when racing in a pool?	Department of Education & Early Childhood Development
Miranda Walker	Glendal Primary School	Can a guinea pig learn to solve a maze?	Australian Institute of Energy
Emily Boyce & Isabelle Sijan	Lauriston Girls School: Primary	Everyday mould	Australian Society for Biochemistry & Molecular Biology
Tiana Litchfield	Deepdene Primary School	Does the power balance?	Swinburne University of Technology
Lucas Osborn	St Leonard's College: Junior School	What treatments to conkers (horse chestnuts) make them the stongest?	Independent Primary School Heads of Australia
Michael Doyle	Solway Primary School	Does air pressure of a soccer ball impact bounce?	Department of Education & Early Childhood Development
Alice Jenner	Shelford Girls Grammar School: Primary	The effects of different solutions on black steel	BHP Billiton
Ella Perlen	Shelford Girls Grammar School: Primary	Do plants grow better with or without sunlight?	Vaisala Pty Ltd
Kira Maher	Shelford Girls Grammar School: Primary	How does the freezing point of water compare with that of other liquids?	BHP Billiton
Helena Wen	Glendal Primary School	The rusting effect on nails in different conditions	Department of Education & Early Childhood Development
Caitlin Woods	Kilvington Grammar School: Primary	Can foam burst a balloon?	Rio Tinto Limited
Amelia Ewart & Emily Montagu	Ruyton Girls' School: Primary	Extra extra read all about it	The University of Melbourne (Science Education)
Eliza Bate & Laura Powell	Ruyton Girls' School: Primary	What type of apple browns more quickly?	BHP Billiton
Saskia Dammersmith & Marnie Hehir	Ruyton Girls' School: Primary	Who wet the bench?	Australian Skeptics Science and Education Foundation
Sen Ali-Nolan	Essendon North Primary School	Better ways to make raisins	Department of Education & Early Childhood Development

# Agora Theatre: 11.15am - 12.15pm

## Inventions - Primary

### Major Bursary \$60

Name	School	Project Title	Sponsor
Robert Jeffrey	Clifton Hill Primary School	Pipe power	Department of Education & Early Childhood Development
Alex Gigliotti	Clifton Hill Primary School	Don't sweat it	The Royal Society of Victoria Inc.

## Inventions - Primary

### Minor Bursary \$45

Name	School	Project Title	Sponsor
Lewis Barnes & Charles Corby	Clifton Hill Primary School	Adjusta core	Department of Education & Early Childhood Development
Malcolm Lam & Param Patwala	Huntingtower School: Primary	Amphivechi	Independent Primary School Heads of Australia

## Working Models - Primary

### Major Bursary \$55

Name	School	Project Title	Sponsor
Lana Croker	Clifton Hill Primary School	This is how it works	Australian Skeptics Science and Education Foundation
Matthew Chang & Rupert Mosley	Scotch College: Junior	Shock absorbers	Independent Primary School Heads of Australia
James Gunasegaram	Camberwell Grammar School: Primary	Chemistry in control	Department of Education & Early Childhood Development
Ethan Liu & Dion Quach	Camberwell Grammar School: Primary	Sight: a chemical reaction	Australian Society for Biochemistry & Molecular Biology
Nivethan Iyer	Glendal Primary School	Electricity and magnetism	Powercor Australia
Dylan Jarvis	Hume Anglican Grammar School: Primary	Heat exchanger	Victoria University: Health, Engineering & Science

## Working Models - Primary

### Minor Bursary \$40

Name	School	Project Title	Sponsor
Carla Bennett & Coco Goldacre	Clifton Hill Primary School	Drip and dribble	Department of Education & Early Childhood Development
Tom Phillips & Will Phillips	Scotch College: Junior	Robot	Independent Primary School Heads of Australia
Luke Hwang & Alexander Kyriakos	Camberwell Grammar School: Primary	The final journey	The Royal Society of Victoria Inc.
Riley Arnold	Carey Baptist Grammar School: Donvale	Fantastic Mr Faraday and his marvellous motors	Australian Skeptics Science and Education Foundation
Viktor Prypoten	Glendal Primary School	Green energy	Department of Education & Early Childhood Development
Thomas Mc Nair	Girton Grammar School: Junior	Wind power station	Victoria University: Health, Engineering & Science
Amy Petts	Serpell Primary School	Desalination	Australian Skeptics Science and Education Foundation
Julian Hastings	Camberwell Grammar School: Primary	A working model for sustainable energy	Powercor Australia
Lachlan Moody	St Thomas the Apostle Primary School	New space shuttle	Catholic Education Office (Melbourne)



# Agora Theatre: 11.15am - 12.15pm



## Science Photography - Primary

### Major Bursary \$50

Name	School	Project Title	Sponsor
Catitlin Broad	Presbyterian Ladies College: Junior School	Exothermic reactions	Chemistry Education Association
Matthew Mechkaroff	Serpell Primary School	Chemical reactions in the household	Department of Education & Early Childhood Development
Orrin Huf	Glendal Primary School	Fungi	BHP Billiton
Riley Turner	Carey Baptist Grammar School: Donvale	Colour on fire	Powercor Australia
Mia Jackson	St Thomas the Apostle Primary School	The purpose of leaves on trees	Australian Skeptics Science and Education Foundation

## Science Photography - Primary

### Minor Bursary \$35

Name	School	Project Title	Sponsor
Hayley Voce	Presbyterian Ladies College: Junior School	A beautiful phenomenon	Dr Joy Bear
Erin Box	Presbyterian Ladies College: Junior School	Immiscibility of oil & water	The Royal Society of Victoria Inc.
Maryam Qureshi	Serpell Primary School	Properties of light	Australian Institute of Physics-Victorian Branch
Josephine Gullan & Ainsley Hatcher	Girton Grammar School: Junior	Golden orb weaver	Victoria University: Health, Engineering & Science
Jessie Yammouni	Carey Baptist Grammar School Donvale	Oysters	Swinburne University of Technology
Isabelle Gough & Sophie Karunaratne	St Catherine's School: Primary	Colourful flowers	Field Naturalists Club of Victoria
Joel Forthun	Wesley College	Melting icebergs	Australian Institute of Energy
Luke Loncarevic	St Thomas the Apostle Primary School	What is mould?	Catholic Education Office (Melbourne)
Amy Fredricksen & Molly McLaughlin	St Thomas the Apostle Primary School	Seed germination	Department of Education & Early Childhood Development
Olivia Murphy	St Thomas the Apostle Primary School	Is apple rotting a physical or chemical change?	Powercor Australia
Logan Carr	St Thomas the Apostle Primary School	Science of composting	Yakult Australia Pty Ltd
Zhana Maticevski-Schumack & Alexandra Poynton	Fitzroy North Primary School	Zhana & Alexandra	Department of Education & Early Childhood Development
Eloise Fraser	Firbank Grammar School: Turner House	Chemistry slowed down	Chemistry Education Association
Chanith Wijeratne	Essendon North Primary School	Flames with a difference	Australian Skeptics Science and Education Foundation

## Video Productions - Primary

### Major Bursary \$55

Name	School	Project Title	Sponsor
Thy Douglas	Presbyterian Ladies College: Junior School	Science geeks	Australian Skeptics Science and Education Foundation
Kira Bassily & Felicia Lee	Carey Baptist Grammar School: Donvale	Masterchef chemistry	The Royal Society of Victoria Inc.
Joshua Griffiths-Hunt	Essex Heights Primary School	What determines how far a bicycle will roll?	Department of Education & Early Childhood Development
Max Clyne	Wesley College	Is there real iron in cereal?	The Royal Society of Victoria Inc.

# Agora Theatre: 11.15am - 12.15pm

## Video Productions - Primary

### Minor Bursary \$40

Name	School	Project Title	Sponsor
Chloe Schneider	Caulfield Grammar School: Malvern Campus	The Moon	BHP Billiton
Charlotte Moon	Presbyterian Ladies College: Junior School	Playing with rubber	The Royal Society of Victoria Inc.
Hamish Catto	Girton Grammar School: Junior	Instant ice	Victoria University: Health, Engineering & Science
Erin Drew	Carey Baptist Grammar School: Donvale	Chemical reactions in baking	Powercor Australia

# The Odeon: 11.15am - 12.15pm

## Games - Lower Primary

### Major Bursary \$40

Name	School	Project Title	Sponsor
Alexander Ciccone	Overnewton Anglican Community College: Primary	Fun in the lab	Victoria University: Health, Engineering & Science
Tom Bowman & Thomas Hay	Auburn South Primary School	Chemical killer	Department of Education & Early Childhood Development
Olivia Valentine & April Wainer	Carey Baptist Grammar School Donvale	The green world hop	Independent Primary School Heads of Australia
Dylan Matthews	Solway Primary School	Project green	Dr Joy Bear

## Games - Lower Primary

### Minor Bursary \$30

Name	School	Project Title	Sponsor
Ethan Chong & Oliver Horigan	Caulfield South Primary School	Chemistry fun	Department of Education & Early Childhood Development
Jake Hayman & Ethan Lazarus	Caulfield South Primary School	When it does and when it doesn't	Australian Skeptics Science and Education Foundation
Claire Windoloski	Carey Baptist Grammar School Donvale	All mixed up	Independent Primary School Heads of Australia
Ashwini Somasundram	Serpell Primary School	Planet recycle	Powercor Australia
Sean Ford	Glendal Primary School	Water, water, everywhere	Minerals Council of Australia (Victorian Division)
Jeffrey Yew	Glendal Primary School	Science around us	Australian Skeptics Science and Education Foundation
Jem Ali-Nolan	Essendon North Primary School	Chem connect	Department of Education & Early Childhood Development

## Computer Programs - Lower Primary

### Major Bursary \$45

Name	School	Project Title	Sponsor
Josh Harper	Trinity Grammar School: Junior	The Big Bang simulation	Independent Primary School Heads of Australia

# The Odeon: 11.15am - 12.15pm



## Posters & Scientific Wall Charts - Lower Primary

### Major Bursary \$40

Name	School	Project Title	Sponsor
Myah Newton	Overnewton Anglican Community College: Primary	Colourful chemistry	Australian Skeptics Science and Education Foundation
Tom Lacey	Mt Eliza Primary School	Rust	Department of Education & Early Childhood Development
Josh Brnjac	Mt Eliza Primary School	Medicines from plants	Australian Society for Biochemistry & Molecular Biology
Joshua Savage	Mt Eliza Primary School	Medicines from plants	Department of Education & Early Childhood Development
Kate Dawson & Natasha Redlich	Caulfield South Primary School	Chemistry in the environment: all about volcanoes	Chemistry Education Association
Oliver Dimpfel	Carey Baptist Grammar Junior School Kew	Chemistry in the environment	Independent Primary School Heads of Australia
Ethan Jayamanna	Serpell Primary School	Chemistry in the environment: the oxygen & carbondioxide cycle	Department of Education & Early Childhood Development
Abbey Turner	Carey Baptist Grammar School Donvale	Amazing amethyst: colourful chemistry	Rio Tinto Limited
Max Turner	Carey Baptist Grammar School Donvale	Curare: kill or cure?	The Royal Society of Victoria Inc.
Grace McElholum	Solway Primary School	Morphine from opium poppies	Australian Society for Biochemistry & Molecular Biology
Jack Hegarty	Eltham East Primary School	Chemistry in the environment	Department of Education & Early Childhood Development
Charlotte Evans	Glendal Primary School	Colourful chemistry	Rio Tinto Limited
Lucy Nolan	St Thomas the Apostle Primary School	Medicines from plants	Catholic Education Office (Melbourne)

## Posters & Scientific Wall Charts - Lower Primary

### Minor Bursary \$30

Name	School	Project Title	Sponsor
Lachlan Jenkin & Patrick Schwartz	Auburn South Primary School	Colourful chemistry	Department of Education & Early Childhood Development
Jaymie Koulis	Carey Baptist Grammar Junior School Kew	Colourful chemistry	Independent Primary School Heads of Australia
Alexander Lincoln	Carey Baptist Grammar Junior School Kew	Chemistry in the environment	Field Naturalists Club of Victoria
Ethan Stebbins	Carey Baptist Grammar Junior School Kew	Colourful chemistry	Victorian Teachers Credit Union Ltd
Harris Kazakis	Serpell Primary School	Medicines from plants	Australian Society for Biochemistry & Molecular Biology
Vanessa Gogos	Serpell Primary School	Energy from chemistry: ethanol	Department of Education & Early Childhood Development
Caitlin Wakefield	Glendal Primary School	Colourful chemistry	Australian Skeptics Science and Education Foundation
William Khan & Benedict Leeton	Solway Primary School	Zootoxin	Australian Society for Biochemistry & Molecular Biology
Lachlan Rankin	Solway Primary School	Tea leaves	Department of Education & Early Childhood Development
Hayden Mc Elholum	Solway Primary School	Bioluminescence	Australian Society for Biochemistry & Molecular Biology
Maigan Hounslow	Eltham East Primary School	Medicines from plants	Department of Education & Early Childhood Development
William Davies	Wesley College	Colourful chemistry	Powercor Australia
Sasha Girski	Camelot Rise Primary School	Medicines from peanuts	Australian Skeptics Science and Education Foundation
Emma Naval - Thomas	St Thomas the Apostle Primary School	Medicines from plants	Catholic Education Office (Melbourne)
Jibran Bader	Mowbray College: Primary	Stirring the colour pot	Victoria University: Health, Engineering & Science



# The Odeon: 11.15am - 12.15pm

## Games - Primary

### Major Bursary \$50

Name	School	Project Title	Sponsor
Jamie Papworth-Dent & Imogen Papworth-Dent	Overnewton Anglican Community College: Primary	KROMA	Victoria University: Health, Engineering & Science
Stacey Flaounas & Rachel Gould	Caulfield South Primary School	How big is your garden	Department of Education & Early Childhood Development
Laura Ellenbogen & Susanna Gao	Caulfield South Primary School	The natural first aid kit	Australian Skeptics Science and Education Foundation
Chloe Lovett	Fintona Girls School: Primary	Washed away	Independent Primary School Heads of Australia
Natasha Di Pietro & Yasemin Ercan	Fintona Girls School: Primary	Tsunami escape	Vaisala Pty Ltd

## Games - Primary

### Minor Bursary \$35

Name	School	Project Title	Sponsor
Claire Campbell & Shally Liang	Huntingtower School: Primary	Rainforest potions	Independent Primary School Heads of Australia
Thomas Pang	Glendal Primary School	Introduction to elements & compounds	Department of Education & Early Childhood Development
Merydith Lee & Grace Ouyang	Fintona Girls School: Primary	Tsunami escape	Victorian Teachers Credit Union Ltd
Kithmini Atapattu & Sophie Schwerkolt	Fintona Girls School: Primary	Cyclone chaos	Independent Primary School Heads of Australia
Jodie Kirkland & Chelsea Wong	Fintona Girls School: Primary	Landslide escape	Powercor Australia
Claudia Crock & Rebecca Muller	Fintona Girls School: Primary	Stay afloat	Rio Tinto Limited
Cherry Pan & Amelia Smith	Fintona Girls School: Primary	Tsunami escapee	Australian Skeptics Science and Education Foundation
Tabitha Davis-Durrant & Emily Sheerin	Fintona Girls School: Primary	Fire frenzy	The Royal Society of Victoria Inc.
Joshua Bek	Chairo Christian School Cardinia: Primary	Solution: strategy is elemental	Vaisala Pty Ltd
Ryan Mudford	Chairo Christian School Cardinia: Primary	Experiment street	Powercor Australia
Nick Angus & Luke McIntosh	Our Holy Redeemer School	Reactions in the home	Catholic Education Office (Melbourne)
Rachel Akers & Lilian Harvey	Girton Grammar School: Junior	Crazy cobwebs	Victoria University: Health, Engineering & Science

## Computer Programs - Primary

### Major Bursary \$55

Name	School	Project Title	Sponsor
Somesh Mehra	Serpell Primary School	Elements, compounds and mixtures	Chemistry Education Association

## Computer Programs - Primary

### Minor Bursary \$35

Name	School	Project Title	Sponsor
Sean Kennedy & Wynton Richards	Camberwell Grammar School: Primary	Chemical reactions in the digestive system	Australian Society for Biochemistry & Molecular Biology
Sean Boettger	Camelot Rise Primary School	A foods life	Australian Skeptics Science and Education Foundation

# The Odeon: 11.15am - 12.15pm



## Posters & Scientific Wall Charts - Primary

### Major Bursary \$50

Name	School	Project Title	Sponsor
Tara Bazargan	Presbyterian Ladies College: Junior School	The paradox of ozone	Independent Primary School Heads of Australia
Jennifer Dyall	Carey Baptist Grammar: Junior School Kew	Colourful chemistry	Australian Skeptics Science and Education Foundation
Christos Preovolos	Carey Baptist Grammar: Junior School Kew	Energy from chemistry	Australian Institute of Energy
Esdra Sicari	Serpell Primary School	React to chemistry: energy from chemistry	Department of Education & Early Childhood Development
Jonathan Coman	Firbank Grammar School: Sandringham House	The chemistry of caves	The Royal Society of Victoria Inc.
Lachlan Coman	Firbank Grammar School: Sandringham House	Mysterious methane	Powercor Australia
Rhiannon Wilson	Methodist Ladies' College: Junior School	Chemistry in the environment	BHP Billiton
Genevieve Perrignon	Eltham East Primary School	Energy from chemistry	Department of Education & Early Childhood Development
Astrid Nissila-Browne	Shelford Girls Grammar School: Primary	Colourful chemistry: Auroras	BHP Billiton
Isaac Zhao	Wesley College	Nuclear energy	Powercor Australia
Ishira Dayananda & Alexander Neilsen	Girton Grammar School: Junior	Rocket motors	Vaisala Pty Ltd
Daniel Shin	Roberts McCubbin Primary School	Chemistry in the environment	Dr Joy Bear
Anand Bharadwaj	Trinity Grammar School: Junior	Medicines from plants	Australian Society for Biochemistry & Molecular Biology

## Posters & Scientific Wall Charts - Primary

### Minor Bursary \$35

Name	School	Project Title	Sponsor
Charlotte Barrett	Clifton Hill Primary School	Chemistry in the environment	Australian Skeptics Science and Education Foundation
Emma Croker	Clifton Hill Primary School	Medicines from plants	BHP Billiton
Emily Stevenson	Overnewton Anglican Community College: Primary	Medicines from plants: the history of Aspirin	Chemistry Education Association
Evie Krieger	Caulfield South Primary School	Healing plants of the rainforests	Fiona Trapani
Matthew Perri	Camberwell Grammar School: Primary	Photosynthesis: chemistry in the environment	Independent Primary School Heads of Australia
Elly Rogers	Serpell Primary School	Colourful chemistry: the effect of dyeing fabric in fashion	Powercor Australia
Steffanie Rudge	Serpell Primary School	React to chemistry: medicines from plants	Australian Society for Biochemistry & Molecular Biology
Eve Panagopoulos	Carey Baptist Grammar School Donvale	Why do leaves change colour?	Vaisala Pty Ltd
Elise Castelletti	Carey Baptist Grammar School Donvale	How & why do leaves change colour?	BHP Billiton
Dean Katsivelis	Carey Baptist Grammar School Donvale	Hybrid cars	Powercor Australia
Ella Fisher	Girton Grammar School: Junior	Medicines from plants: Echinacea	Victoria University: Health, Engineering & Science
Egynne Lim	Glendal Primary School	Medicines from plants	Department of Education & Early Childhood Development
Amelia Mulcahy & Tiffany Nichols	Lauriston Girls School: Primary	Medicines from plants	BHP Billiton
Celine Manikhode & Ana Maric	Lauriston Girls School: Primary	Medicines from plants	Vaisala Pty Ltd

# The Odeon: 11.15am - 12.15pm

## Posters & Scientific Wall Charts - Primary (continued)

### Minor Bursary \$35

Name	School	Project Title	Sponsor
Amelia Chin	Deepdene Primary School	Traditional plant medicine	The Royal Society of Victoria Inc.
Hannah Triantafillis	Eltham East Primary School	Medicines from plants	Powercor Australia
Camilla Broome & Isabel Gray	St Catherine's School: Primary	Medicines from plants	Swinburne University of Technology
Vinu Jayamanne	Glendal Primary School	Energy from chemistry	The Royal Society of Victoria Inc.
Nirushan Muraledaran	Glendal Primary School	Medicines from plants	Powercor Australia
Remy Burns	Wesley College	The chemistry of adrenalin	Australian Society for Biochemistry & Molecular Biology
Aditya Sridhar	Wesley College	Medicines from plants	Yakult Australia Pty Ltd
Madeleine Nolan	St Thomas the Apostle Primary School	Chemistry in the environment	Catholic Education Office (Melbourne)
Taliesin Galloway McLean	Firbank Grammar School: Sandringham House	Bush medicines: medicines from plants	BHP Billiton
Claudia Klose & Jess Lang	Gippsland Grammar Junior School	Medicines from plants	The Royal Society of Victoria Inc.
Joshua Strauss & Charlie Taylor	Gippsland Grammar Junior School	Energy from chemistry	Australian Institute of Energy
Mia Pisano	Shelford Girls Grammar School ( Primary)	Medicines from plants	Independent Primary School Heads of Australia
Sara Janev	Shelford Girls Grammar School ( Primary)	Medicines from plants	BHP Billiton
Liang Tee	Serpell Primary School	Energy from chemistry	BHP Billiton



# Agora Cinema: 12.30pm - 1.30pm



## Games - Junior

### Major Bursary \$55

Name	School	Project Title	Sponsor
India Ambler & Maddy Andrew	Methodist Ladies' College: Senior School	A world beyond the sky	Australian Skeptics Science and Education Foundation
Christopher James	St Kevins College: Secondary	Water the compound of life	Catholic Education Office (Melbourne)
Estelle Hanney & Jessica Kwee	Fintona Girls School: Senior Secondary	Solution to pollution	Powercor Australia
Stella Butzkueven	Methodist Ladies' College: Senior School	The power of protein	Australian Society for Biochemistry & Molecular Biology
Gabriella Zaccardi	Santa Maria College	Eco-house	Catholic Education Office (Melbourne)
Madeline Lane & Megan Walsh	Santa Maria College	The bottlecap game	Australian Skeptics Science and Education Foundation
Samantha Grigg	Fintona Girls School: Senior Secondary	Build to survive	Powercor Australia
Christine Atienza & Jessica Robinson	Caroline Springs College: Secondary	Chemistry	Victoria University: Health, Engineering & Science
Niki Linganur	Caroline Springs College: Secondary	Chemistry	Victoria University: Health, Engineering & Science

## Games - Junior

### Minor Bursary \$40

Name	School	Project Title	Sponsor
Todd Blasse & Justin Green	Mentone Grammar School: Middle	Save energy!	Australian Institute of Energy
Nick Liacos	Cheltenham Secondary College	Element game	Department of Education & Early Childhood Development
Jessica Harries	Methodist Ladies' College: Senior School	The animal kingdom	Australian Skeptics Science and Education Foundation
Erica Lee & Jessica Wang	Fintona Girls School: Senior Secondary	Space jump	Swinburne University of Technology
Deana Bazzanella & Amelia Minos	Santa Maria College	World warrior	Catholic Education Office (Melbourne)
Alana Gervasoni & Samantha Morison	Santa Maria College	Under the sea	Powercor Australia
Ellie Coffey & Rachael Murphy	Santa Maria College	Sustainability	Department of Education & Early Childhood Development
Gabrielle Iakovidis & Jessica Minniti	Santa Maria College	Natural disasters	Rio Tinto Limited
Isabella Dietze & Isobel Fitzpatrick	Santa Maria College	Rainforest rescue	Australian Skeptics Science and Education Foundation
Oswald Li	Scotch College: Senior	Wash out	Powercor Australia
Emily Andrew & Annabel Smith	Methodist Ladies' College: Senior School	I'm seeing blue	The Royal Society of Victoria Inc.
Denuree Fenando	Lyndale Secondary College	Chemical reactions	Department of Education & Early Childhood Development
Ryan Barlett	Xavier College: Burke Hall Campus	Science pursuit	Victorian Teachers Credit Union Ltd
Fearghus Stewart	Xavier College: Burke Hall Campus	Climate inc.	Catholic Education Office (Melbourne)
Liam Brown	Caroline Springs College: Secondary	Chemistry	Victoria University: Health, Engineering & Science
Zachary Harper & Jeyan Osman	Caroline Springs College: Secondary	Chemistry	Victoria University: Health, Engineering & Science
Rebecca O'Connell	St Leonard's College Brighton: Secondary	Bang! The game of fireworks	Chemistry Education Association

# Agora Cinema: 12.30pm - 1.30pm

## Games - Junior (continued)

### Minor Bursary \$40

Name	School	Project Title	Sponsor
Jasmine Downs & Madisen White	Chairo Christian School Cardinia: Secondary	I have a theory	Department of Education & Early Childhood Development
Maddison Ellis & Sarah Fairlie	Catholic Ladies College	Board game	Catholic Education Office (Melbourne)

## Computer Programs - Junior

### Major Bursary \$60

Name	School	Project Title	Sponsor
Erya Ni & Giulia Tillack	Methodist Ladies' College: Senior School	The browning of apples	Swinburne University of Technology
Daniella Conser & Megan O'Leary	Kilvington Grammar School: Senior	Robotics: an interactive web journey	Australian Institute of Physics: Victorian Branch

## Computer Programs - Junior

### Minor Bursary \$40

Name	School	Project Title	Sponsor
James Rassool	Kolbe Catholic College	Game by me	Catholic Education Office (Melbourne)
Michael Tynan	St Kevins College: Secondary	The virus attack video game	Swinburne University of Technology
Chris Melenhorst	Bentleigh Secondary College	Science escapade	Department of Education & Early Childhood Development
Namm Kit Chan	Mount Waverley SC: Junior School	Germ warfare	The Walter and Eliza Hall Institute of Medical Research

## Video Productions - Junior

### Major Bursary \$60

Name	School	Project Title	Sponsor
Joshua Freney & Lachlan Palfrey	Mentone Grammar School: Middle	A tasty reaction	Australian Skeptics Science and Education Foundation
Sophie Heath	Methodist Ladies' College: Senior School	How can you reduce your ecological footprint?	BHP Billiton
Samantha Derrick	Mentone Girls' Grammar Secondary School	Fizzing foam	Independent Primary School Heads of Australia
Natalie Fenwick & Harriet Walker	Mentone Girls' Grammar Secondary School	Scientrific	Swinburne University of Technology
Timothy Rawolle	St Kevins College: Secondary	Chemical experiments	Catholic Education Office (Melbourne)
Luke Macaronas	St Kevins College: Secondary	The three states of water	Vaisala Pty Ltd
Sarah Burger & Constance Yuan	Fintona Girls School: Senior Secondary	Onions	The Walter and Eliza Hall Institute of Medical Research
Isaac Leeson	Kingswood College: Secondary	Reactive racing metals	Victorian Teachers Credit Union Ltd
Amelia Couper	Methodist Ladies' College: Senior School	Querky questions about bones	The Walter and Eliza Hall Institute of Medical Research
Emily Marshall & Sivan Zohar	Bentleigh Secondary College	Australis animalia	Department of Education & Early Childhood Development
Laura Hulley	Bentleigh Secondary College	Motion madness	Powercor Australia
Abby Roberts-Neeson & Hanna Straume-Tsai	St Leonard's College Brighton: Secondary	How to make hot ice	The Royal Society of Victoria Inc.
Cooper Larnach	St Leonard's College Brighton: Secondary	Brain chemistry	Independent Primary School Heads of Australia

# Agora Cinema: 12.30pm - 1.30pm



## Video Productions - Junior

### Minor Bursary \$45

Name	School	Project Title	Sponsor
Daryanne Lumbo	Cheltenham Secondary College	Daryanne lumbo	Department of Education & Early Childhood Development
Emily Farrow & Joy Ferrari	Methodist Ladies' College: Senior School	Mystery of sinking ducks	Swinburne University of Technology
Kiran Bommakanti	East Doncaster Secondary College	Chemicals at home household liquids	BHP Billiton
Samuel Penfold	St Kevins College: Secondary	Cleaning water in the 3rd world	Catholic Education Office (Melbourne)
Brandon Fernandez	St Bedes College	Produce carbon dioxide from a chemical reaction	The University of Melbourne (Science Education)
Eleanor Belfiore & Madeline Connolly	Balwyn High School	The professor's explosive gases	Vaisala Pty Ltd

## Games - Intermediate

### Major Bursary \$65

Name	School	Project Title	Sponsor
Zoe Barrile	Cheltenham Secondary College	Elemental: a game of molecular chemicals	Department of Education & Early Childhood Development
Stacey Lo	Presbyterian Ladies College: Senior	Atom to atom	Powercor Australia

## Games - Intermediate

### Minor Bursary \$45

Name	School	Project Title	Sponsor
Miranda Ng	Presbyterian Ladies College: Senior	The effects of drugs on the brain	Australian Society for Biochemistry & Molecular Biology
Hannah Mann	Presbyterian Ladies College: Senior	The gut	Yakult Australia Pty Ltd
Nairi Tchorbadjian	Presbyterian Ladies College: Senior	Formarock	Rio Tinto Limited
Tran Nguyen & Caitlin Wong	Presbyterian Ladies College: Senior	Drought panic	Australian Skeptics Science and Education Foundation

## Computer Programs - Intermediate

### Major Bursary \$70

Name	School	Project Title	Sponsor
Andrew Kasian	Camberwell Grammar School: Senior School	Chemtastic	Department of Education & Early Childhood Development

## Computer Programs - Intermediate

### Minor Bursary \$50

Name	School	Project Title	Sponsor
Sanjna Parasuraman	Presbyterian Ladies College: Senior	The impossible space test	Powercor Australia
Lee Cheah	Camberwell Grammar School: Senior School	Flashy chemicals	Rio Tinto Limited



# Agora Cinema: 12.30pm - 1.30pm

## Video Productions - Intermediate

### Major Bursary \$70

Name	School	Project Title	Sponsor
Jordan Jansen	St Kevins College: Secondary	Honeycomb	Catholic Education Office (Melbourne)

## Video Productions - Intermediate

### Minor Bursary \$50

Name	School	Project Title	Sponsor
Max Arundel	St Kevins College: Secondary	pH scale	The Royal Society of Victoria Inc.
Hersh Nevgi	St Kevins College: Secondary	The Australian Synchrotron: life of an electron	Australian Institute of Physics: Victorian Branch
Annie Chu	Presbyterian Ladies College: Senior	BAM! What's the secret?	BHP Billiton
Rebecca Cole	Kurunjang Secondary College	My lab	Department of Education & Early Childhood Development

## Games - Open

### Major Bursary \$60

Name	School	Project Title	Sponsor
Maxwell Barlow	Princes Hill Secondary College	Plankton peril	Department of Education & Early Childhood Development

## Games - Open

### Minor Bursary \$40

Name	School	Project Title	Sponsor
Tom Cutbush	Princes Hill Secondary College	The animal kingdom	Field Naturalists Club of Victoria

## Computer Programs - Open

### Major Bursary \$85

Name	School	Project Title	Sponsor
Amarjit Batra	Camberwell Grammar School: Senior School	Reactium	Swinburne University of Technology

# Agora Theatre: 12.30pm - 1.30pm



## Experimental Research - Junior

### Major Bursary \$65

Name	School	Project Title	Sponsor
Amelia Keynton	Kingswood College: Secondary	In the mix	Fiona Trapani
Evelyn Konstantopoulos	Methodist Ladies' College: Senior School	Grape fermentation	Australian Society for Biochemistry & Molecular Biology
Anna Wilton	Genazzano FCJ College	I want a good night's sleep	Catholic Education Office (Melbourne)
Tessa Coy	Gippsland Grammar (Senior)	Spacial perception in dogs	The Royal Society of Victoria Inc.
Olivia Camilleri	Genazzano FCJ College	The effect of different water mixtures on the growth of plants	BHP Billiton
Olivia Culvenor	Genazzano FCJ College	What product best removes tomatoe sauce from cotton?	Powercor Australia
Raisa Litchfield	Methodist Ladies' College: Senior School	How do you dew?	BHP Billiton
Georgia Roem	Methodist Ladies' College: Senior School	Heart rate reaction	The Walter and Eliza Hall Institute of Medical Research
Corey Robinson	Southwood Boys Grammar School	Water pressure experiment.	BHP Billiton
Luke Suhr	St Kevins College: Secondary	Nail lubricant	The Walter and Eliza Hall Institute of Medical Research
Tavish Eenjes	Girton Grammar School: Senior	Is information read on paper retained better than information read on an electrical screen?	Australian Skeptics Science and Education Foundation
Conroy Cheers	Caulfield Grammar School: Wheelers Hill Campus	Choosing a good bike tyre pressure	Australian Institute of Physics: Victorian Branch
Emily Caligiuri & Paige Lee	Methodist Ladies' College: Senior School	Red cabbage ph indicator	The Walter and Eliza Hall Institute of Medical Research
Kevin Fan	Scotch College: Senior	Woody	BHP Billiton
Megan Ramcharan	East Doncaster Secondary College	Testing for acids and bases	Department of Education & Early Childhood Development
Louisa Virgo	St Leonard's College Brighton: Secondary	How to make the perfect spider	Yakult Australia Pty Ltd

## Experimental Research - Junior

### Minor Bursary \$50

Name	School	Project Title	Sponsor
Verity Baltutis & Emma Leurs	Kingswood College: Secondary	How metal ions affect the colour of a flame	Australian Skeptics Science and Education Foundation
Laura McArthur	Methodist Ladies' College: School	The effects of commonly-used plant killers	Australian Society for Senior Biochemistry & Molecular Biology
Tanisha Seeling	Genazzano FCJ College	Setting jelly	BHP Billiton
Olivia Lynch	Genazzano FCJ College	Spaghetti in seconds	The Royal Society of Victoria Inc.
Elisabeth Vrazas	Methodist Ladies' College: Senior School	The effect of temperature on intensity and duration of glow	The Walter and Eliza Hall Institute of Medical Research
Natasha West & Kettie Yu	Methodist Ladies' College: Senior School	Watching grass grow	BHP Billiton
Tess Wilkins	Beaconhills College: Valley (Secondary)	Under pressure	Australian Skeptics Science and Education Foundation
Nicola Mallinson	Beaconhills College: Valley (Secondary)	Bubble trouble	Department of Education & Early Childhood Development
Jaimie Collard	Beaconhills College: Valley (Secondary)	What material absorbs water best?	BHP Billiton
Emily Morrison	Beaconhills College: Valley (Secondary)	Freeze	Powercor Australia
Sabrina Maier	Methodist Ladies' College: Senior School	Preferred burning environment for candles	Australian Institute of Energy
Angelica Santini	Methodist Ladies' College: Senior School	How taste perception is affected by colour and name	The Walter and Eliza Hall Institute of Medical Research

# Agora Theatre: 12.30pm - 1.30pm

## Experimental Research - Junior (continued)

### Minor Bursary \$50

Name	School	Project Title	Sponsor
Emma McShane	Methodist Ladies' College: Senior School	Allergy testing	The Walter and Eliza Hall Institute of Medical Research
Daniel Woods	Southwood Boys Grammar School	An investigation into the effectiveness of 'eco-friendly' compared to 'traditional' laundry products.	BHP Billiton
Connor Fry	St Kevins College: Secondary	An analysis of friction	The Royal Society of Victoria Inc.
Samuel Cameron	St Kevins College: Secondary	Grass fertilisation	Australian Society for Biochemistry & Molecular Biology
Alexander Athanasiadis	St Kevins College: Secondary	Flammable materials	BHP Billiton
Suzannah Roushdy	Fintona Girls School: Senior Secondary	Is carbon dioxide a greenhouse gas that contributes to global warming?	Australian Skeptics Science and Education Foundation
Sophia Hu & Isabelle Winkler	Fintona Girls School: Senior Secondary	Sugar content affects cola fountains	The Walter and Eliza Hall Institute of Medical Research
Aleisha Hall & Selina Thai	Fintona Girls School: Senior Secondary	Project runaway	Rio Tinto Limited
Shirley Tang	Fintona Girls School: Senior Secondary	The effect of different out-of-school activities on blood pressure	BHP Billiton
Smita Bhattacharjee & Annie Shen	Fintona Girls School: Senior Secondary	The effects of salt on the freezing point	The Walter and Eliza Hall Institute of Medical Research
Lauren Martin	Melbourne Girls Grammar School: Morris Hall	Effect of brand and packaging on taste	Australian Skeptics Science and Education Foundation
Annelise Pereira	Genazzano FCJ College	Sink in	BHP Billiton
Georgia Apostolou	Genazzano FCJ College	Caffeine improves reaction time in a computer generated task	The Walter and Eliza Hall Institute of Medical Research
Madeleine Kerr	Genazzano FCJ College	To see how different surfaces affect a tennis ball bounce	BHP Billiton
Bella Dixon	Methodist Ladies' College: Senior School	Photosynthesis and fire	The Royal Society of Victoria Inc.
Mei-Yen Kingwell	Methodist Ladies' College: Senior School	Soil type and radish seeds	Australian Skeptics Science and Education Foundation
Lauren Kirn	East Doncaster Secondary College	Growing potassium sulphate crystals	BHP Billiton
Charlotte Bassett	East Doncaster Secondary College	Can different liquids of varying acidity dissolve a piece of steak?	The Walter and Eliza Hall Institute of Medical Research
Rachel Jeffreson	Methodist Ladies' College: Senior School	The effectiveness of different sun protectants	The Walter and Eliza Hall Institute of Medical Research
Mason Camanzi	Baden Powell College - Tarneit Secondary	Biological gardening	BHP Billiton
Sophie Nunn & Amie Volkofsky	Methodist Ladies' College: Senior School	Do mice really like cheese?	Australian Skeptics Science and Education Foundation
Amy Luo	Melbourne Girls Grammar School: Morris Hall	How does music affect heart rate?	The Walter and Eliza Hall Institute of Medical Research
Jules Nisperos	Caroline Chisholm Catholic College	Is it safe for my teeth?	The Walter and Eliza Hall Institute of Medical Research
Sean Lyon	St Kevins College: Secondary	Which mouthwash kills the most oral bacteria	Australian Skeptics Science and Education Foundation
Sequoia Weitman	Braemar College: Secondary	The best time to take a photo	The Royal Society of Victoria Inc.
Matthew Underwood	Braemar College: Secondary	Taming onions!	Victoria University: Health, Engineering & Science
Madeline Hunt & Megan Petrie	Strathcona baptist G.G.S: Senior Secondary	Quantitative protein analysis of milk by casein precipitation	The Walter and Eliza Hall Institute of Medical Research
Somya Mehra	Balwyn High School	The effect of concentration on an acid and metal reaction	Australian Skeptics Science and Education Foundation



# Agora Theatre: 12.30pm - 1.30pm



## Science Photography - Junior

### Major Bursary \$55

Name	School	Project Title	Sponsor
Luc van Vliet	Mentone Grammar School: Middle	Newton's Laws photos	Australian Institute of Physics: Victorian Branch
Tyler Bradley	Mentone Grammar School: Middle	Food colourings	Australian Skeptics Science and Education Foundation
Meg Donnelly	Gippsland Grammar: Senior	Surface tension	The Royal Society of Victoria Inc.
Dana Rogers	Bentleigh Secondary College	Home made polymer balls	Department of Education & Early Childhood Development
Samuel Slykhuis	St Leonard's College Brighton: Secondary	Surface tension of raindrops	Powercor Australia
Izabella Rogers	Kew High School	Mentos mint and diet coke	Yakult Australia Pty Ltd

## Science Photography - Junior

### Minor Bursary \$40

Name	School	Project Title	Sponsor
Casper Bjarnason & James Grant	Mentone Grammar School: Middle	Fruit decay	Australian Skeptics Science and Education Foundation
Lucinda Halls	Methodist Ladies' College: Senior School	Decomposition of strawberries	Rio Tinto Limited
Lisa Lee	Korowa Anglican Girls School: Secondary	Flower power	Department of Education & Early Childhood Development
Taylor Woods	Korowa Anglican Girls School: Secondary	Beauty of Flowers	Australian Skeptics Science and Education Foundation
Hamish McGowan & Jacob Watson	Mentone Grammar School: Middle	Elephants toothpaste	Swinburne University of Technology
Briannah McKernan & Georgina Pynta	Fintona Girls School: Senior Secondary	Mulch	Australian Skeptics Science and Education Foundation
Zoe Potter	Methodist Ladies' College: Senior School	Cave formations	Field Naturalists Club of Victoria
Clare Carew & Charlotte McCarthy	Our Lady of Sion College	Chemical reactions	Catholic Education Office (Melbourne)

## Experimental Research - Intermediate

### Major Bursary \$75

Name	School	Project Title	Sponsor
Alice Adams & Ali Nolan	Ruyton Girls' School	The amount of lactose in different types of milk	The Walter and Eliza Hall Institute of Medical Research
Georgia Brown & Annabel Loane	Ruyton Girls' School	Levels of water pollution in the Yarra River	Australian Skeptics Science and Education Foundation
Jennifer Zhao	Presbyterian Ladies' College: Senior School	Freezing popcorn	BHP Billiton
Evangelia Dendrinis	Mentone Grammar School: Middle	What impact do different types of water have on the protection of sunscreen	The Walter and Eliza Hall Institute of Medical Research
James Maccarrone	St Kevins College: Secondary	Thermogravimetric Analysis of temperature on different fruits	The Royal Society of Victoria Inc.
Nicole Lim	Presbyterian Ladies' College: Senior School	Hungry for energy? Go nuts	The Walter and Eliza Hall Institute of Medical Research

# Agora Theatre: 12.30pm - 1.30pm

## Experimental Research - Intermediate

### Minor Bursary \$55

Name	School	Project Title	Sponsor
Penny Cai & Joanna Cookson	Ruyton Girls' School	What are the effects of food on a person's blood pressure?	The Walter and Eliza Hall Institute of Medical Research
Emily Clifton Bligh & Pearl Paguio	Ruyton Girls' School	pH-antastic Coca Cola	Australian Skeptics Science and Education Foundation
Nicole Andrews & Shalini Ponnampalam	Ruyton Girls' School	Comparing iron levels in various cereals	The Royal Society of Victoria Inc.
James Morando	Beaconhills College: Valley (Secondary)	Honeycomb havoc	Australian Skeptics Science and Education Foundation
Adam Kennedy	Mirboo North Secondary College	Old Nassau investigated	Vaisala Pty Ltd
Christine Lee	Presbyterian Ladies' College: Senior School	Marshmallows	Powercor Australia
Luke Camilleri	St Kevins College: Secondary	What is the Yarra River made of?	Swinburne University of Technology
Matthew Jarrett & Billy Xynas	St Kevins College: Secondary	The effect of lyricised music on concentration	The Walter and Eliza Hall Institute of Medical Research
Stephen Powell	St Kevins College: Secondary	Fake or real smiles	BHP Billiton
Leanne Wang & Amanda Wong	Ruyton Girls' School	Lets vanish that stain	Australian Skeptics Science and Education Foundation
Kate Liesching & Sarah Watling	Ruyton Girls' School	Hair straightening	The Walter and Eliza Hall Institute of Medical Research
Lavan Dharmalingam & Kieran Taylor	Mount Waverley Secondary College: Senior	Which potting mix works best on grass	The Royal Society of Victoria Inc.

## Science Photography - Intermediate

### Major Bursary \$65

Name	School	Project Title	Sponsor
Emily Greenwood	Kilvington Grammar Senior	Fungi, slime moulds and Australian biodiversity	Australian Society for School: Biochemistry & Molecular Biology
Michael Clark	Clarks Park Home School	Water birds feeding	Field Naturalists Club of Victoria
Thilini Ranasinghe & Lisa Toh	Sacred Heart Girls College	Captured in the life of science	Catholic Education Office (Melbourne)
Sarsha Crawley	East Doncaster Secondary College	Photosynthetic pigment change in Autumn leaves	Vaisala Pty Ltd
Matthew Johnson	St Kevins College: Secondary	Autumn colours	Chemistry Education Association
Madeline Bosaid	Girton Grammar School: Senior	The pollination of flowers	Victoria University: Health, Engineering & Science

## Science Photography - Intermediate

### Minor Bursary \$45

Name	School	Project Title	Sponsor
Shae Collins & Rachael Leeson	Bellarine Secondary College: Drysdale Campus	Crystal growing	Department of Education & Early Childhood Development
Nick Parkinson & Daniel Xia	McKinnon Secondary College	Light	Australian Institute of Physics-Victorian Branch
Sarah Ridout	McKinnon Secondary College	Surface tension	Department of Education & Early Childhood Development
Libby Hanna	McKinnon Secondary College	Genetics: eye colour	Australian Society for Biochemistry & Molecular Biology
Laura Cummack	Cheltenham Secondary College	Water in its three states	Powercor Australia
Gabrielle Stewart	Kilvington Grammar School: Senior	Magic milk	Yakult Australia Pty Ltd
Madeleine Hendy	Kilvington Grammar School: Senior	Amazing detergent	Swinburne University of Technology
Jascinta Santavanond	Kilvington Grammar School: Senior	How carbon dioxide behaves	Victorian Teachers Credit Union Ltd

# Agora Theatre: 12.30pm - 1.30pm



## Science Photography - Intermediate (continued)

### Minor Bursary \$45

Name	School	Project Title	Sponsor
Brigette O'Leary	Kilvington Grammar School: Senior	Incy wincy spider went up the washing line	Powercor Australia
Pamashi Amarasekara & Sheryl George	Sacred Heart Girls College	Drip drop	Catholic Education Office (Melbourne)
Sophie Koutsouras	Kolbe Catholic College	Eggsperiment	Victoria University: Health, Engineering & Science
Leah Milburn - Clark	East Doncaster Secondary College	Spectacular animal homes	Australian Skeptics Science and Education Foundation
Sarah Samuel	Flinders Christian Community College: Carrum Downs	Colour explosion!	Department of Education & Early Childhood Development
Antony Zoides	East Doncaster Secondary College	Wine doesn't grow on trees, or does it?	The Royal Society of Victoria Inc.

## Experimental Research - Open

### Major Bursary \$100

Name	School	Project Title	Sponsor
Isobel Leece	Methodist Ladies' College: Senior School	What is the effect of feral sambar deer ( <i>Cervus unicolor</i> ) on the growth and population of native Australian Shining Gum ( <i>Eucalyptus nitens</i> ) saplings?	The Walter and Eliza Hall Institute of Medical Research
Sarah Jeffreson	Methodist Ladies' College: Senior School	What relationship exists between the length & cross-sectional dimensions of a solid rectangular brass rod and the set of natural frequencies at which it oscillates?	The Walter and Eliza Hall Institute of Medical Research
Natasha Zonn	Methodist Ladies' College: Senior School	An investigation into the effect of synthetic and natural fungicides on the growth of the fungus <i>Aspergillus niger</i>	The Walter and Eliza Hall Institute of Medical Research
Natnalie Masli	Presbyterian Ladies College: Senior School	Determination of ascorbic acid in green tea	The Walter and Eliza Hall Institute of Medical Research
Emma Wu	Presbyterian Ladies College: Senior School	Effect of IAA Auxin on root initiation of <i>Vigna Radiata</i>	The Walter and Eliza Hall Institute of Medical Research

## Experimental Research - Open

### Minor Bursary \$70

Name	School	Project Title	Sponsor
John Carl Marcos & Nhut Phong Raymond Tong	Nazareth College	Combustion studies	Australian Skeptics Science and Education Foundation
Shamsul Kazi	St Josephs College Mildura	An investigation of horizontal car stability	The Walter and Eliza Hall Institute of Medical Research



# The Odeon: 12.30pm - 1.30pm

## Inventions - Junior

### Major Bursary \$65

Name	School	Project Title	Sponsor
Saskia Dodds-Painter	Methodist Ladies' College: Senior School	Colour changing nail polish	Australian Skeptics Science & Education Foundation

## Inventions - Junior

### Minor Bursary \$45

Name	School	Project Title	Sponsor
Peter Lam & William Osborne	Maribyrnong Secondary College	Test tube robot	Department of Education & Early Childhood Development
Harry Morrall	Girton Grammar School: Senior	STOP mosquito breeding	Entomological Society of Victoria Inc.
William Varney	Kew High School	Plastic bottle water filter	Department of Education & Early Childhood Development

## Creative Writing - Junior

### Major Bursary \$55

Name	School	Project Title	Sponsor
Simone Louey	Avila College	It was magic	Catholic Education Office (Melbourne)
Kendra Bishop	Cheltenham Secondary College	A series of unfortunate reactions	Minerals Council of Australia (Victorian Division)
Laura McArthur	Methodist Ladies' College: Senior School	A Seies of Unfortunate Reactions	The Royal Society of Victoria Inc.
Arun Kumar	Scotch College: Senior	Atom adventure	Powercor Australia
Aaron Drew	Southwood Boys Grammar School	Atom adventure	The Royal Society of Victoria Inc.
Kirrah Thompson	Mentone Girls Secondary College	Atom adventure	Swinburne University of Technology
Sarah Lloyd	Tintern Girls Grammar School: Secondary	My life as a free radical	Victorian Teachers Credit Union Ltd

## Creative Writing - Junior

### Minor Bursary \$40

Name	School	Project Title	Sponsor
Devani Fernando	Sacred Heart Girls College	My life as a free radical	Catholic Education Office (Melbourne)
Elizabeth Power	Sacred Heart Girls College	It was magic	Minerals Council of Australia (Victorian Division)
Jasmine Lau	Methodist Ladies' College: Senior School	Atom adventure	The University of Melbourne (Science Education)
Natassia King	Firbank Grammar School	My life as a free radical	The Walter and Eliza Hall Institute of Medical Research
Isobel Graham	Firbank Grammar School	Atom adventure: the bomb	Independent Primary School Heads of Australia
Madeline Gilbert	Firbank Grammar School	A series of unfortunate reactions	Swinburne University of Technology
Georgia Cao	Firbank Grammar School	It was magic	Australian Skeptics Science & Education Foundation
Hannah Small	Firbank Grammar School	Atom adventure	Rio Tinto Limited
Chloe Tsatsos	East Doncaster Secondary College	A series of unfortunate events	Vaisala Pty Ltd
Tanya Noorani	East Doncaster Secondary College	Chemistry in the Gulf of Mexico oil spill	Rio Tinto Limited

# The Odeon: 12.30pm - 1.30pm



## Creative Writing - Junior (continued)

### Minor Bursary \$40

Name	School	Project Title	Sponsor
Nicola Dobson & Hannah Schaub	Fintona Girls School: Senior Secondary	It was magic	Vaisala Pty Ltd
Sarah Woodward	Mentone Girls' Grammar: Secondary	A series of unfortunate events	Swinburne University of Technology
Bronte Segota	Mentone Girls' Grammar: Secondary	A series of unfortunate events	Australian Skeptics Science & Education Foundation
Dilay Tuncel	East Doncaster Secondary College	It was magic	Department of Education & Early Childhood Development
Kate Brooks	Cheltenham Secondary College	A series of unfortunate reactions	Department of Education & Early Childhood Development
Emilyn Soon	Lyndale Secondary College	Atom adventure	The University of Melbourne (Science Education)
Ned Rickard	Whealers Hill Secondary College	It was magic: the story of the chemical spy	Minerals Council of Australia (Victorian Division)
Bridgette Van Diepen	Mount Waverley Secondary College: Junior	It was magic	Yakult Australia Pty Ltd

## Working Models - Junior

### Major Bursary \$60

Name	School	Project Title	Sponsor
Cameron Cleal	Gippsland Grammar: Senior	The crane	Australian Skeptics Science & Education Foundation
Scott Moore	Mentone Grammar School: Middle	Hydroelectric powerplant	Vaisala Pty Ltd
Bryden Budge & Jesse Cahill	Flinders Christian Community College: Carrum Downs	Working scale model of an all wheel drive system	Australian Institute of Physics-Victorian Branch
Darragh Tate	St Bedes College	The open flash light	Catholic Education Office (Melbourne)
Lachlan Baensch	The Geelong College: Junior School	Exploring electrolysis	Victoria University: Health, Engineering & Science
Stuart Barlett & Kieran Scammell	Xavier College: Burke Hall Campus	Electrolysis	Chemistry Education Association

## Working Models - Junior

### Minor Bursary \$45

Name	School	Project Title	Sponsor
Oliver Macpherson	Sunbury Downs Secondary College	Electric water/coin battery station	Victoria University: Health, Engineering & Science
Michael Demura	Mentone Grammar School: Middle	Air foil	Australian Skeptics Science & Education Foundation
Harris Galloway	St Kevins College: Secondary	Soundwave visualiser	Australian Institute of Physics: Victorian Branch
Lucas Morrison	St Kevins College: Secondary	Hydroelectric power generator	Powercor Australia
Oliver Marriott & Nicholas Tanner	St Kevins College: Secondary	Water purification plant	Rio Tinto Limited
Nick Teede & Vanderkley	Xavier College: Burke Hall Campus	Force cars	Swinburne University of Harry Technology
Adrian Busacca & Cameron MacIntosh	Xavier College: Burke Hall Campus	Catapult	BHP Billiton
Jimmy Fan	Balwyn High School	Electromagnetic linear accelerator	Australian Institute of Energy
Thomas Chapman	St Leonard's College Brighton: Secondary	Copper zinc battery	Chemistry Education Association
Caleb Watson	Balwyn High School	Stirling engine	Department of Education & Early Childhood Development

# The Odeon: 12.30pm - 1.30pm

## Posters & Scientific Wall Charts - Junior

### Major Bursary \$55

Name	School	Project Title	Sponsor
Katja Wagner	Methodist Ladies' College: Senior School	Body chemistry	Powercor Australia
Jia Fei Xing	Cheltenham Secondary College	Body chemistry	Rio Tinto Limited
Jessica Sun	Cheltenham Secondary College	The most important reaction is	Swinburne University of Technology
Meric Oz	Cheltenham Secondary College	Body chemistry	Vaisala Pty Ltd
Kiara Hickman	Cheltenham Secondary College	Body chemistry	The Walter and Eliza Hall Institute of Medical Research
Renee Toscas	Pascoe Vale Girls Secondary College	The most important chemical reaction is...	Vaisala Pty Ltd
Julia Avakian	Firbank Grammar School	The most important chemical reaction is photosynthesis	Australian Society for Biochemistry & Molecular Biology
Dian Lu	Firbank Grammar School	Chemicals as friends and foes: pollution	The Royal Society of Victoria Inc.
Charlotte Barrow	Firbank Grammar School	The most important reaction is the Haber-Bosch Process	Australian Skeptics Science & Education Foundation
Isabella Blanche	Firbank Grammar School	The most important reaction is photosynthesis	BHP Billiton
Annabel Howitt & Isobel O'Malley	Sacre Coeur: Secondary	Why we need photosynthesis	Vaisala Pty Ltd
Francesca Cullity & Olivia Greco	Sacre Coeur: Secondary	Sunscreen: friend or foe?	Rio Tinto Limited
Alexandra Farrugia & Matilda Vidler	Sacre Coeur: Secondary	The importance of photosynthesis	BHP Billiton
Mitchell Campaign	Mentone Grammar School: Middle	Photosynthesis	Australian Skeptics Science & Education Foundation
Galina Enright & Charlotte Hamilton	Mentone Grammar School: Middle	Combustion	Australian Institute of Energy
Loredana Marchione	Methodist Ladies' College: Senior School	Body chemistry	Vaisala Pty Ltd
Alanah Casamento	Santa Maria College	Chemicals as friends and foes: pesticides	BHP Billiton
Michelle Xin	Mentone Girls' Grammar: Secondary	Chemicals as friends and foes	The Royal Society of Victoria Inc.
Abigail Embleton	Mentone Girls' Grammar: Secondary	Chemicals as friends and foes	Victorian Teachers Credit Union Ltd
Rainer Curcio	St Leonard's College Brighton: Secondary	Uranium: friend or foe?	Powercor Australia
Eleanor Filer	Kew High School	Chemotherapy	Department of Education & Early Childhood Development

## Posters & Scientific Wall Charts - Junior

### Minor Bursary \$40

Name	School	Project Title	Sponsor
Jake Robinson-Keevers	McKinnon Secondary College	The most important reaction is...	Department of Education & Early Childhood Development
Nima Behshad	McKinnon Secondary College	Chemicals as friends and foes	Australian Skeptics Science and Education Foundation
Samuel Mouzakis	McKinnon Secondary College	Chemicals as friends and foes	BHP Billiton
John Papasimeon	Mentone Grammar School: Middle	Medicines from plants	Dr Joy Bear
Mats Manallack	Mentone Grammar School: Middle	Chemicals: a friend or foe?	Minerals Council of Australia (Victorian Division)
Caitlin Cohen	McKinnon Secondary College	Chemicals as friends and foes	Department of Education & Early Childhood Development
Shae Warner	Cheltenham Secondary College	Body chemistry	The Royal Society of Victoria Inc.
Tracy Sun	Cheltenham Secondary College	Body chemistry	BHP Billiton



# The Odeon: 12.30pm - 1.30pm



## Posters & Scientific Wall Charts - Junior (continued)

### Minor Bursary \$40

Name	School	Project Title	Sponsor
Riyaz Shahul Hameed	Cheltenham Secondary College	Body chemistry	Powercor Australia
Sangeetha Banakar	McKinnon Secondary College	Chemicals as friends and foes	Department of Education & Early Childhood Development
Christine Bulos	Pascoe Vale Girls Secondary College	Body chemistry	Australian Institute of Energy
Anthea Wanigaratne	Sacred Heart Girls College	Body chemistry	Catholic Education Office (Melbourne)
Courtney Dooley	Firbank Grammar School	The most important reaction is cellular respiration	Australian Society for Biochemistry & Molecular Biology
Harriet Spittle	Firbank Grammar School	Most important reaction is photosynthesis	BHP Billiton
Anna Carman & Sarah Pelletti	Sacre Coeur: Secondary	Household chemicals: friends or foes?	Australian Skeptics Science & Education Foundation
Elysha Crimi & Stella Filopoulos	Sacre Coeur: Secondary	Digestion: vitamins and minerals	Yakult Australia Pty Ltd
Miranda Garofalo & Madeleine Tudic	Sacre Coeur: Secondary	Chemicals: breaking down nutrients in digestion	The Royal Society of Victoria Inc.
Ellecia Baker	Firbank Grammar School	The most important reaction: forming calcium bicarbonate	Australian Society for Biochemistry & Molecular Biology
Campbell Moore	Mentone Grammar School: Middle	What is lactose intolerance?	Yakult Australia Pty Ltd
Eliza Harvey	Mentone Grammar School: Middle	Digestion	BHP Billiton
Tiana Bagnato & Amy Truong	Santa Maria College	Acid rain	Swinburne University of Technology
Jessica Jong & Nhu Quynh Quach	Santa Maria College	Drugs as friends and foes	The Walter and Eliza Hall Institute of Medical Research
Arun Jayasekera	Scotch College: Senior	Body chemistry	BHP Billiton
Oscar Bertelle & Sebastien Lock	Xavier College: Burke Hall Campus	Body chemistry	BHP Billiton
Susannah Beardsell	Balwyn High School	Paper chromatography	Department of Education & Early Childhood Development

## Inventions - Intermediate

### Major Bursary \$75

Name	School	Project Title	Sponsor
Patrick Timms	St Kevins College: Secondary	Device for cleaning bike chains	Catholic Education Office (Melbourne)

## Creative Writing - Intermediate

### Major Bursary \$65

Name	School	Project Title	Sponsor
Lucinda Janson	Presbyterian Ladies' College: Senior School	Atom adventure: the diary of Samuel Silicon	Australian Institute of Energy

# The Odeon: 12.30pm - 1.30pm

## Creative Writing - Intermediate

### Minor Bursary \$45

Name	School	Project Title	Sponsor
Ellen Taylor	Kingswood College: Secondary	A series of unfortunate reactions	Australian Skeptics Science & Education Foundation
Carmela Condina-Hibon	Sacred Heart Girls College	A series of unfortunate reactions	Catholic Education Office (Melbourne)
Crystal D'Souza	Sacred Heart Girls College	A series of unfortunate reactions	Vaisala Pty Ltd
Irushi Ratnayake	Presbyterian Ladies' College: Senior School	It was magic	Independent Primary School Heads of Australia
Steph Limneos	East Doncaster Secondary College	My life as a free radical	The Royal Society of Victoria Inc.
Tamara De Losa	Flinders Christian Community College: Carrum Downs	A series of unfortunate reactions	Victoria University: Health, Engineering & Science
Kate Chandler	Methodist Ladies' College: Senior School	A Series of Unfortunate Reactions	Yakult Australia Pty Ltd
Nicole Surgijati	Kew High School	Atom adventure	The Walter and Eliza Hall Institute of Medical Research
Sadia Mazunder	Mount Waverley Secondary College: Senior	Atom adventure	Catholic Education Office (Melbourne)

## Working Models - Intermediate

### Major Bursary \$70

Name	School	Project Title	Sponsor
Joshua Jenson	Wodonga Middle Years College	Model internal combustion engine	Australian Skeptics Science & Education Foundation

## Working Models - Intermediate

### Minor Bursary \$50

Name	School	Project Title	Sponsor
Kiven Kako	Kolbe Catholic College	Remote controlled car	Catholic Education Office (Melbourne)

## Posters & Scientific Wall Charts - Intermediate

### Major Bursary \$65

Name	School	Project Title	Sponsor
Imasha Weerasinghe	Sacred Heart Girls College	A sober reaction	The Royal Society of Victoria Inc.
Aiden Hussein	Werribee Secondary College	The most important reaction is...	Department of Education & Early Childhood Development
Joyce Guo	Werribee Secondary College	The most important reaction is...	Australian Society for Biochemistry & Molecular Biology
Mary Aidonopoulos	Catholic Ladies College	Chemicals as friends and foes	Catholic Education Office (Melbourne)
Jenny Li	Methodist Ladies' College: Senior School	Body chemistry	BHP Billiton

## Posters & Scientific Wall Charts - Intermediate

### Minor Bursary \$45

Name	School	Project Title	Sponsor
Binuri Attanayake	Mount Waverley Secondary College: Senior	Chemicals as Friends and Foes	Department of Education & Early Childhood Development
Lana Mei & Lakshmi Srinivasan	Werribee Secondary College	The most important reaction is .....	BHP Billiton
Kate Belvedere	Catholic Ladies College	Drugs affecting the nervous system	Catholic Education Office (Melbourne)



Department of Education and  
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## 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](http://www.education.vic.gov.au/about/directions/mathsandsciencestrat.htm)





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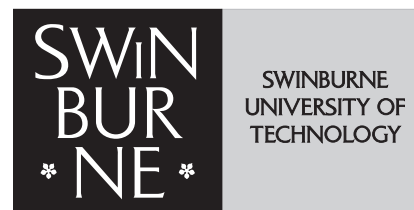
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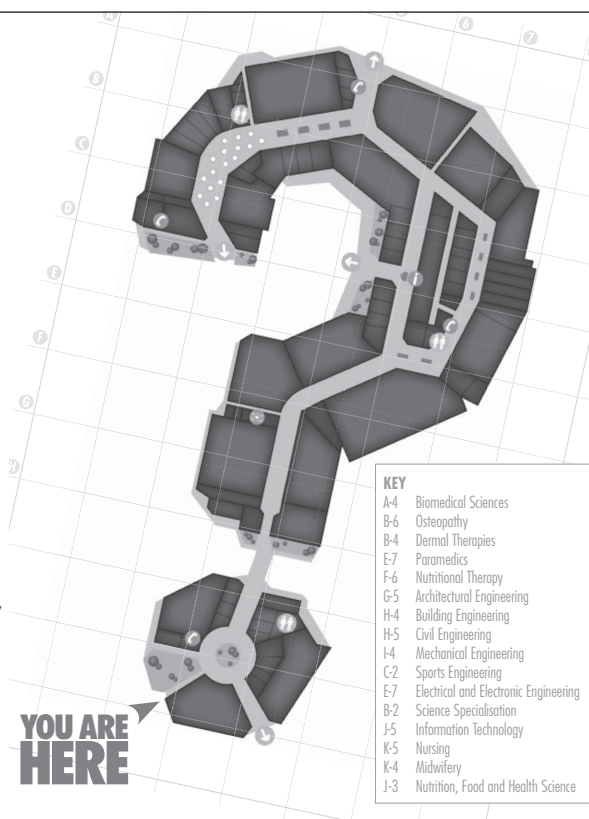
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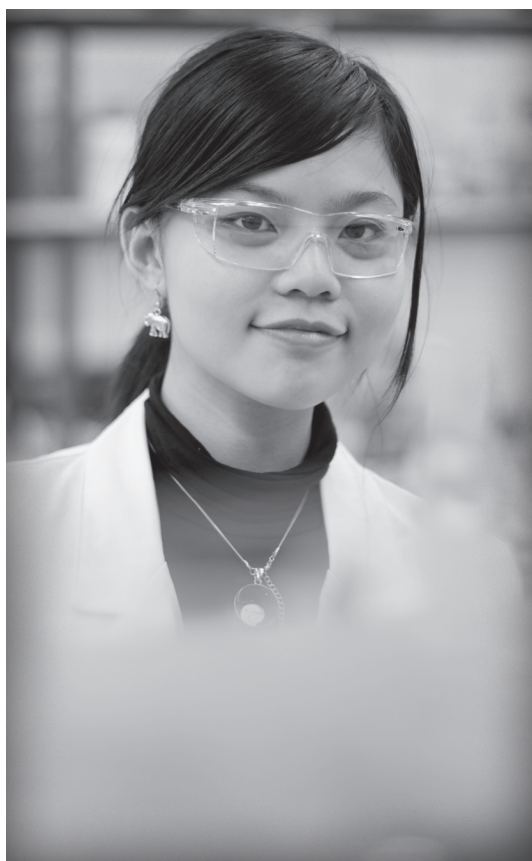
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## 60th Science Talent Search



# Acknowledgements

# STS Judges 2011



## 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 2011

Lynette Lew	Balwyn High School
Matt Woodley	Chatham Primary School
Diana Veremciukas	Cheltenham Secondary College
Lynden Fielding	Edenhope College
Maureen Frith	Great Ryrie Primary School
Adrian Cameron	Hoppers Crossing Secondary College
Louise Edwards	Hume Anglican Grammar
Sarah Shatford	Hume Anglican Grammar
Judith Sise	Lyndale Greens Primary School
Anne-Marie Williams	Methodist Ladies' College
Mee Ing Ong	Nazareth College
Soula Bennett	Quantum Victoria
Amelia Strzebonski	Roxburgh College
Eroia Baronne-Nugent	Santa Maria 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
Annette Atkinson	
Dina Poutakidis	
Janice Teng	

## STS assistants

David Trotter	CSIRO Education
Ellen Finlay	STS Project Officer
Annette McKenna	STAV Administration
Suzanne O'Shannessy	STAV Executive Director
Anne Heard	STAV Receptionist
Kellie Jackson	STAV Desktop Publisher

Aquinas College	Rana Nahas
Auburn South Primary School	Nicola Duncan
	Joanne Kretsis
Avila College	Madelaine Scott-Jones
Baden Powell College:	Mary Donaghy
Tarneit Primary	
Balwyn High School	Flynn Jungwirth
	Manju Mohandos
	Pramana Tedjosiswoyo
Beaconhills College: Valley (Primary)	Anne Bellavance
	Debbie Mason
Beaconhills College: Valley (Secondary)	Kelly McInnes
	Elaine Simpson
	Katherine Ward
Beaconhills College: Village (Primary)	Jackie White
Bentleigh Secondary College	Yvonne Lane
Camberwell Grammar School: Primary	Ralph Arceo
	Susan Rankin
Camberwell Grammar School: Senior School	Mark Williams
Camelot Rise Primary School	Sarah Woods
Carey Baptist Grammar Junior School Kew	Jacqui Douglas
	Mark Smith
Carey Baptist Grammar School Donvale	Alysha Byrne
	Kate Marais
	Steve Wilson
Caroline Chisholm Catholic College	Lisa Barnard
	Yvonne Ngiam
Caroline Springs College: Creekside Secondary	Viz Kozak
Catholic Ladies College	Dawn Duncan
Caulfield Grammar School: Malvern Campus	Susan Grover
Caulfield Grammar School: Wheelers Hill Campus	Andrea Nelson
Caulfield South Primary School	Kate Harman
	Janis Minett
	Marianne Sichlau
Chairo Christian School Cardinia	Chris Rogerson
Christian College Bellarine: Primary	Jessica Bennett
	Debra Singleton
Clarks Park Home School	Jeanie Clark
Clifton Hill Primary School	Alex Clover
	Diane Nevile

## Committee members needed for 2012

The STS committee urgently needs new members for 2012. 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](http://www.sciencevictoria.com.au/sts/stscommittee) or contact STAV: [stav@stav.vic.edu.au](mailto:stav@stav.vic.edu.au); phone 9385 3999

# STS Judges 2011

Craigieburn Secondary College	Mariam Ghosn
Deepdene Primary School	Marie Beale Kate Lafferty
Doncaster Gardens Primary School	Kim Macneil
East Doncaster Secondary College	Geoff Flowers Mart Hagel Anita Johansson-Wong Bernie Kennedy
East Preston Islamic College	Annie Thomas
Eltham East Primary School	Noreen Akhtar Geraldine Milton
Essendon North Primary School	Carole Upton
Essex Heights Primary School	Felicity O'Flynn
Fintona Girls School: Primary	Lisa Broben Trish Leigh
Fintona Girls School: Senior Secondary	Christa Ackermann Ruth Barclay Christie McClennan
Firbank Grammar School	Paula Hicks Kerry Slater
Firbank Grammar School: Sandringham House	Brooke Clayton
Firbank Grammar School: Turner House	Beth Watson
Fitzroy North Primary School	Evelyn Chen Kathleen Lindsay-Field
Flinders Christian Community College: Carrum Downs	Adam Copeland Duncan Neil
Genazzano FCJ College	Fisun Kewming Marita O'Shea
Gippsland Grammar: Senior	Ann Brown
Gippsland Grammar Junior School	Elizabeth Dawson
Girton Grammar School: Junior	Kymberley Cresp Kristie Woodward
Girton Grammar School: Senior	Jane Reaburn
Gisborne Secondary College	Janet Di Pilla
Glendal Primary School	Jae Chang Christina Gaffy Chris Gilligan Julie Hse
Haileybury College: Berwick Campus	Kylie Waddington
Heathdale Christian College: Secondary	Jim Talliopoulos
Hoppers Crossing Secondary College	Ronan O'Sullivan Celia Rice
Hume Anglican Grammar School: Primary	Marisa Jarvis
Huntingtower School: Primary	Susan Tawia
Huntingtower School: Secondary	Meredith Stevens
Kew High School	Paul Cuthbert Lorna Mckellar
Kilvington Grammar School: Senior	Alison Kershaw

Kingswood College: Secondary	Iain Murphy
Kolbe Catholic College	Antonina Briggs Michael Walsh
Korowa Anglican Girls School: Secondary	Louisa O'Brien Abigail Wraith
Kurunjang Secondary College	John Gerohristodoulou Scott McDowel
Lakes Entrance Secondary College	Steven Jenes
Lauriston Girls School: Primary	Celeste McMillan Chris Toms
Lyndale Secondary College	Taeko Knockaert Adel Melton Susan Petousis
Manor Lakes P-12 College	Mekaila Lawrence Erin Wilson
Maribyrnong Secondary College	Wesley Black Ben Freeman Clinton Hale Komal Lata Tim Wraight
McKinnon Secondary College	Harriet Barrow Therese Sweeney
Melbourne Girls Grammar School: Morris Hall	Elissa Nicolaou James Robertson
Mentone Girls' Grammar Secondary School	Maria Mavridis Helen Silvester
Mentone Grammar School: Middle	Craig Best Leonie Redfern
Methodist Ladies' College - Senior School	Rachael Barker Drew Chan Tom Curtis Mark Danaro Sophie Oldfield Miriam Pho Jenny Wilson
Minaret College: Secondary	Chandrita Iyer Mehar Saeed
Mirboo North Secondary College	Petra Hopkins
Mount Eliza Secondary College	Sarah Baeffel
Mount Lilydale Mercy College	Karen Myers
Mount Waverley SC: Junior School	Scott Smith
Mowbray College: Primary	Keira Knight
Mt Eliza Primary School	Jeff Dirago Donna Wheatley
Nazareth College	Barbara Murphy
Our Holy Redeemer School	Annemiek Waters
Our Lady Of Sion College	Paul Whitely
Overnewton Anglican Community College: Primary	Michelle Bonvino Lyndal Mihic Antoinette Sharp
Pascoe Vale Girls Secondary College	Puloma Mukerjee

# STS Judges 2011



Presbyterian Ladies College: Senior	Misja Carbo Russell Downie
Presbyterian Ladies College: Junior School	Christina Hebden Paula McBain
Princes Hill Secondary College	Shantelle Brown
Ringwood Secondary College	Melissa Bennett
Roberts McCubbin Primary School	Tara Butler Jennifer Lenten
Ruyton Girls' School	Merryn Dawborn-Gundlach
Ruyton Girls' School: Primary	Nicole Volkmann
Sacre Coeur: Secondary	Genevieve Muir-Smith Leanne Vastbinder
Sacred Heart College: Kyneton	Tom Forrest
Sacred Heart Girls College	Anne Noonan Kerrilee Pywell
Santa Maria College	Michelle Nedosyko Sevi Tomadakis
Scotch College: Junior	Gillian Comport
Scotch College: Senior	Renee Hill
Serpell Primary School	Jessica Lee Nga Tran Lachlan Zubevich
Shelford Girls Grammar School: Primary	Alison Loukidis Jacqueline Sidaway
Solway Primary School	Alyssa Canaway Prue Mitchell Kate Padey
Southwood Boys Grammar School	Anthea Watkins
St Bedes College	Glenn Anderson
St Catherine's School: Primary	Sue Cooke Christine De Georgio
St Josephs College Mildura	John McGlashan
St Kevins College: Secondary	Robert Bell Samantha Braun Adam Bylsma Mark Harvey James Ross
St Leonard's College: Junior School	Jane Britten
St Leonard's College Brighton: Secondary	Barry Fleming Justine Werba
St Leonard's College Cornish Campus	Alex Parrington Amy Vawdrey
St Paul's Anglican Grammar School: Junior	Julia Behr
St Peter's College	Tracy Alles
St Thomas The Apostle Primary School	Miranda Armstrong Sophie O'Meara Julie-Anne Pinney

Strathcona Baptist GGS: Senior	Ian McDonald Matthew Morrison
Sunbury Downs Secondary College	Melanie Metz
Taylor's Lakes Secondary College	Claudia Covarribias
The Geelong College: Junior School	Kirsten Van Cleef
The Hamilton And Alexandra College: Senior	Rebekah Bonnett
The King David School: Magid Campus	Russell Newman
Tintern Girls Grammar School: Secondary	Lanna Derry
Trinity Grammar School: Junior	Efthamia Zioglis
Tucker Road Primary: Bentleigh	Tam Faiman Kerrie Gentner
Vermont Primary School	James Sadler
Werribee Secondary College	Bruce Drummond
Wesley College: Senior Campus	Jacqui Kerr Russell Welsh
Wesley College: St Kilda Road Primary	Vanessa Phillips
Wheeler's Hill Secondary College	Sally Horne
Whittlesea Secondary College	Jacinta Greer
Wodonga Middle Years College	Chris White
Woodleigh School	Su Lampe
Xavier College: Burke Hall Campus	Susan Snooks Pam Robertson



# STS Co-ordinator Reports

## Posters-scientific wall charts – junior and intermediate divisions

**Section coordinator: Diana Veremciukas, Cheltenham Secondary College**

Judging Day on Saturday the 13th of August ran efficiently, thanks to the enthusiasm and professionalism of the 30 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, and those who provided morning tea for parents and entrants on the Saturday morning. Also thank you to the MLC students who acted as ushers; some also played the grand piano for the entertainment of waiting parents. A wonderful atmosphere was created for the judging.

The number of Junior entries submitted equaled ninety, down on last year. Of the entries received 21 won Major bursaries, 26 won Minor bursaries and 24 received Merit certificates.

Twenty-three Intermediate entries were received, up on last year. Of the entries received five won Major bursaries, three won Minor bursaries and seven received a Merit certificate. We encourage more year 9 and 10+ students to enter next year.

Favourite topics for entrants were: 'The most important reaction is...' at 37%. Posters included data on the following reactions – photosynthesis, corrosion, Haber-Bosch process, cellular respiration, combustion, turning lead into gold, formation of limestone, desalination and the sober reaction needed after drinking alcohol.

Next in popularity was 'Body chemistry' at 35%. Information was provided about the following – digestion, hydrochloric acid, enzymes, liver chemistry, chemotherapy, elements in the human body, neurotransmitters, hormones, anaphylaxis, love chemistry, headache chemicals, gaseous exchange, lactose intolerance, cancer, buffers, homeostasis, flatulence and effects of illegal and legal drugs (for example, morphine, alcohol).

'Chemicals as friends and foes' at 22%, included pros and cons for these different chemicals – sunscreens, painkillers, pesticides, food preservatives, household cleaners and air fresheners, caffeine, uranium and other radioactive elements, chlorine, air pollutants, acid rain, illegal drugs and carbohydrates.

Lastly, 'Chemical separation' at 6%, included posters on paper chromatography, food analysis techniques, distillation, non-Newtonian fluids and oil/water separation.

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

Congratulations, to all who entered the Poster section this year. We are already looking forward to 2012 and discovering what students with commitment, enthusiasm and support from teachers and parents can do with next year's theme.

## Computer programs: Games and simulations – all divisions

**Section coordinators: Mee-Ing Ong, Nazareth College and Linnie Lew, Balwyn High School**

Saturday 13th August proved to be a successful, rewarding and memorable experience for students as they demonstrated their skills in producing high quality educational projects. It was obvious that the entrants had spent a significant amount of their spare time designing, creating, re-testing and improving their computer programs or simulations.

Some students demonstrated a very high level of computer expertise for their age group. They had learnt a computer language such as C sharp, C+ and Visual Basic or software programmes such as Game Maker as early as age seven. The theme, Chemical Reactions, was frequently investigated at each level, from primary to the intermediate and senior sections.

It is important to note that judges only award the major and minor prizes to those students who adhere closely to the criterion specified in the 2011 Science Talent Search booklet guidelines. Students who are able to display their computer knowledge and expertise in producing projects, which were interactive and had a lot of science content, are most likely to be awarded bursaries.

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

For all participants we hope it was a fantastic experience for you. We hope to see you and your friends on judging day, 2012, to demonstrate your computer program or simulation.

## Games – all divisions

**Section coordinator: Leonie Lang**

Playing games and learning science is an unbeatable combination so it is not surprising that Games is a popular section in STS. At the Judging Day at Wesley College, students enjoyed setting up their games and playing them with the science teachers who were the judges. We were also pleased to welcome student teachers from Melbourne University, who were mentored by the practising teachers. The judges used a rubric which closely followed the guidelines listed in the Science Talent Search Handbook.

This year 135 entries were judged which is fewer than in previous years. Almost half of these were awarded bursaries. Perhaps the 'crowded curriculum is taking its toll on the time available for students to pursue very worthwhile projects such as STS.

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

Although students entering the Games section are not obliged to follow the theme for the year, many students managed to combine a chemistry concept with an issue of

# STS Co-ordinator Reports



community concern. Other popular topics included bushfires, floods, earthquakes and especially tsunamis. Escaping from danger makes a very exciting game. Tasks that promoted problem solving were highly regarded whereas “luck” squares in board games and recall of trivial facts did not score well. Overall, the judges were very impressed with the creativity shown by students to produce eye-catching and innovative games which were original and fun to play.

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

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

## Creative writing – lower and primary

**Section coordinator: Judith Sise, Lyndale Greens Primary School**

The number of creative writing picture story entries for 2011 were slightly down but the quality of the entries was not. The chemical topics seemed to capture the students’ imagination and the variety of topics investigated for the creative stories was wide from analysis of germs to explosives. Certainly, medicine and drugs were highly popular themes within all set topics.

The detail of some of the illustrations was astonishing and highlighted the depth of scientific understanding of the young authors. Bibliographies and the science concepts given by the majority of students were more detailed this year and there were a notable number of students acknowledging the assistance of their teachers and science teachers. This would seem to indicate that many students were basing their projects on hands-on science class lessons and the excitement generated by these activities had resulted in Science Talent Search projects.

There are many students who participate in this section of the competition yearly and it is wonderful to see these students’ passion and development over the years.

Thanks go to the fantastic judges and teachers who ensure that this competition will continue. Many judges write how much they enjoyed reading the entries and want to judge again next year. Congratulations to all the students and judges and I look forward to reading more scientific stories in 2012.

## Posters – lower primary and primary

**STS section coordinator: Ann Pisarevsky**

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

This year 248 posters were entered with 150 from upper primary and 98 from the lower primary. Of those students who entered in the lower primary section thirteen received a mayor bursary and fifteen received a minor bursary. In upper primary thirteen received a mayor bursary and twenty-eight received minors.

Students were asked to address one of the topics given- chemistry in the environment, medicines from plants, energy from chemistry and colourful chemistry. The judges felt that most posters were well set out and presented a good understanding of the scientific content relating to the topic, although the topic medicines from plants was more difficult for students than they realised, as it required not only naming medicinal plants but required knowledge of how they worked.

The majority of the posters followed the guidelines, however there were a few that did not; for example, they did not comply with the topics set, used photographs, did not include three diagrams and had three dimensional sections

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.

## Class project

**Section coordinators: Sarah Shatford and Louise Edwards, Hume Anglican Grammar School**

Congratulations to all the entrants in this section, including the teachers who assisted the students in their discoveries. It was fantastic to see entries coming from schools who have previously been involved, as well as, ‘first timers’ and we hope to see many of these smiling happy faces again next year.

The Class Project allows all of the students within a class group to be involved in the Science Talent Search and can therefore allow more students within a school to be involved. It was fantastic to see engaged and enthusiastic students on judging day. Students being active in the learning process, developing investigations skills and understanding the nature of science are the goals and rewards of participating in the Science Talent Search. The project themes addressed science concepts from Energy and Change; Life and Living; and Natural and Processed Materials.

For Primary Teachers who are thinking of entering Science Talent Search next year for the first time please consider the Class Project. It is a great and easy way to introduce science and the Science Talent Search into your classroom while getting all the students involved. It is easy to link the project into all areas of the curriculum and it fits into well into VELs.



# STS Co-ordinator Reports

Topics are not limited to just the year's theme so a project can easily fit into a class' integrated topic. Through the criteria of the class project students are introduced to many different skills areas within science and this can then be a starting point for them to try group or individual projects in following years.

Well done again to all involved in the project section this year. We look forward to seeing more fantastic science next year.

## Experimental research – junior

**Section coordinators: Josie Crisara and Anne- Marie Williams**

The quality of research entries this year was not as high as previous years. Bursary winning entries had the following characteristics: a creative topic or way of addressing a topic, clear and considered experimental design which controlled variables and used measurement techniques for collecting results, a thorough analysis and discussion of results, including limitations and demonstrated use of research to support findings.

It was great to see that in general the guidelines in the STS Handbook were followed for completing the research reports.

Teachers should consider techniques for encouraging students into open ended investigations. It is always useful to brainstorm ideas based on interests of students and hold a discussion on how to conduct an investigation to find the answer to a useful question.

## Experimental research – open

**Section coordinators: Josie Crisara and Anne- Marie Williams**

This year for the first time in many years, 11 entries were received in the Open section. There were quite a few entries of highly sophisticated and interesting research. The process for conducting and writing the report was carefully followed and five major bursaries and two minor bursaries were awarded.

The major bursaries in all sections will also be entered into the BHP Billiton Awards.

## Science photography – all divisions

**Section coordinators: Vivienne Eckersley and Annette Atkinson**

This year the theme was 'React to chemistry' and the entries showed many wonderful visual examples of chemistry processes and ideas. The Photography section was not just limited to the yearly theme so there were many other scientific ideas expressed through fantastic photographic prints such as biology, ecology, physics, astronomy and geology.

The amount of passion towards photography demonstrated by the students who attended Judging Day was obvious by the quality of work that they delivered. Students addressed the guidelines exceptionally well this year, including submitting their original prints on a separate piece of A4 paper.

I would like to thank the students for attending Judging Day, as well as the teachers and parents who supported students through all their hard work.

I would also like to thank the judges who attended as they worked exceptionally well together, with the help of fantastic student teachers from the University of Melbourne. All the judges obviously enjoyed the experience of talking with the students about their projects and working with each other. The room was absolutely buzzing with enthusiasm and excitement!

I would also like to thank Santa Maria for hosting our Judging Day as it was a great venue to accommodate so many people throughout the morning.

Best wishes for students who enter in 2012. Remember to always check the handbook and ensure that the guidelines are met.



