

THE STANSW YOUNG SCIENTIST AWARDS 2007

**ANNOUNCED IN THE COLES THEATRE, POWERHOUSE MUSEUM
FRIDAY, 26 OCTOBER 2007**

PRIZES FOR AWARD CATEGORY YEARS K-2

MAJOR AWARD WINNERS K-2

- Joseph Hedley, Hamish Lim, Thomas Palmer & Victor Sweeney, Pymble Public School, *Fighting the force of friction*
- Liam Shaw, Redeemer Baptist School, *My dad hates a dirty car*
- Richard Garth, Redeemer Baptist School, *Goldilocks and the three balloons*
- Lachlan Bluett & Jeremy Brown, Pymble Public School, *One, Two, Three: Isaac Newton, Lachlan and Jeremy*

PRIZES FOR AWARD CATEGORY YEARS 3-6

MAJOR AWARD WINNERS 3-6

- Elizabeth Sheahan, Abbotsleigh Junior School, *Absorption of kitty litter*
- Benjamin Gibson, Redeemer Baptist School, *Zany gazanias*
- Alexandra Garth, Redeemer Baptist School, *Moon brightness during a lunar eclipse*
- Veronica Thomson, Abbotsleigh Junior School, *Liquid cooling rates*
- Audrey Woollett, Arden Anglican School, *Nocturnal insects*
- Philip Garth, Redeemer Baptist School, *Tea-time temperatures*
- Leanne Williams & Joanna Yu, Beecroft Public School, *Formal English or instant messaging*
- William Garth, Redeemer Baptist School, *Sound: Hear or there?*
- Nicholas Bolton & David Poyitt, Redeemer Baptist School, *Getting the most out of Coke: an alternative fuel source*
- Clare Ongley & Megan Ongley, Redeemer Baptist School, *Do earthworms affect plant growth?*

Best Team Entry of a scientific investigation, K-6

- Anand Madan & Andrew Tsui, Beecroft Public School, *Memory and colour*

PRIZES FOR AWARD CATEGORY YEARS 7-9

Two of the best investigations demonstrating effective application of information technology, 7-9

- Stuart Kimbell, Barker College, *The acidity of Coca Cola*
- Al Lim, Redeemer Baptist School, *Swimmers' hair*

One of the best investigations demonstrating concepts/processes of design and/or engineering, 7-9

- Ellenore Forrester, Redeemer Baptist School, *Enviro Pump*

Two of the best investigations demonstrating effective communication of the investigation through creative expression, 7-9

- Holly Cormack, Roseville College, *Bacteria on toothbrushes*
- Luke Shakespeare, Hunters Hill High School, *The nuts and bolts of the backbone of a skateboard rider*

One of the best investigations demonstrating effective communication of the investigation through a 3D display, 7-9

- Timothy Ashelford, Barker College, *Downforce: Why we need spoilers*

MAJOR AWARD WINNERS 7-9

Best Team Entry of a scientific investigation, 7-9

- Christopher Leung & Konrad Pisarski, Hurlstone Agricultural College, *Hardness of damp wood*

Biology 7-9

- Third place: Justin Chen, North Sydney Boys High School, *Blood type and personality*
- Second place: Emma Kornfeld, Macarthur Anglican School, *Bacterial growth on household sponges*
- First place: Brianna Dobing, Macarthur Anglican School, *Resting and exercising blood pressure with age*

Chemistry 7-9

- Third place: Joseph Spagnol, Freeman Catholic College, *Effect of temperature on reaction rate*
- Second place: Kajal Verma, Redeemer Baptist School, *Is yellow grass dead or alive?*
- First place: William Keen, Barker College, *Effect of light on vitamin C*

Earth & Environmental Science 7-9

- Third place: William Wilhelm, Barker College, *Solar panel efficiency*
- Second place: Daniel Farinha, St Aloysius College, *Parramatta River analysis*
- First place: Ellenore Forrester, Redeemer Baptist School, *Enviro Pump*

Physics 7-9

- Third place: Sanji Fernando, James Ruse Agricultural High School, *Factors affecting electromagnetic induction*
- Second place: Guy Winnall, St Columba Anglican School, *As straight as an arrow*
- First place: Kasuni Fernando, James Ruse Agricultural High School, *Relative efficiency of different brands of fluorescent bulbs*

PRIZES FOR AWARD CATEGORY YEARS 10-12

Two of the best investigations demonstrating effective application of information technology, 10-12

- Christian Mapperson, Redeemer Baptist School, *Complex from simple: A simulation of paper aeroplane flight*
- James Guest, Shore School, *Exploring how to harvest the Sun's full potential*

Two of the best investigations demonstrating concepts/ processes of design and/or engineering, 10-12

- Luke Lazarus, Cranbrook School, *The effect of temperature on batteries*
- Andrew Perulero, Albion Park High School, *Effect of the natural environment on the performance and efficiency of silicon solar cells*

Two of the best investigations demonstrating effective communication of an investigation through creative expression, 10-12

- James Guest, Shore School, *Exploring how to harvest the Sun's full potential*

One of the best investigations demonstrating effective communication of the investigation through a 3D display, 10-12

- Daniel Pospischil, Patrician Brothers' College Fairfield, *Preventing soil erosion due to water*

MAJOR AWARD WINNERS 10-12

Best team entry of a scientific investigation 10-12:

- Deborah Thambyaiyah & Bhavana Verma, Redeemer Baptist School, *Nutrient distribution in fruit and vegetables*

Biology 10-12

- Third place: Daniel Webber, Shore School, *Sensory and word association in language development*
- Equal First place: Jonathan Searle, Shore School, *The effect of different types of electromagnetic radiation on carrots*
- Equal First place: Nina Pinto, Hornsby Girls High School, *The habitat of the marine snail, Nerita atramentosa, and the tenacity of its foot in various salinities*

Chemistry 10-12

- Third place: Nicole Clothier, Marian College Kenthurst, *Cost effectiveness of batteries*
- Second place: Christina Yoo, Redeemer Baptist School, *Storage temperature and the vitamin C concentration in orange juice*
- First place: Jakov Miljak, Patrician Brothers' College Fairfield, *The clean off: Detergent on stains*

Earth & Environmental Science 10-12

- Third place: Timothy Bailey & Matthew Bolton, Redeemer Baptist School, *Prescribing safe handling times for marine animals*
- Second place: Sam Wightman, Mullumbimby High School, *Corn growth and the effect of a recyclable material on countering soil salinity*
- First place: Timothy Ronald, Shore School, *How fertilizers influence water storage in crop soil*

Physics 10-12

- Third place: Hugo Anderson, Shore School, *Swing and the influence of ball tampering*
- Second place: Andrew Perulero, Albion Park High School, *Effect of the natural environment on the performance and efficiency of silicon solar cells*
- First place: Christian Mapperson, Redeemer Baptist School, *Complex from simple: A simulation of paper aeroplane flight*

SPECIAL AWARDS YEARS 3-12

The Australian College of Physical Sciences & Engineers in Medicine (ACPSEM) Medical Physics Prize

- Roseanne Cushieri, Freeman Catholic College, *Powerade versus water in relation to heart recovery rate*

The National Measurement Institute (NMI) Measurement Prize

- Nina Pinto, Hornsby Girls High School, *The habitat of the marine snail, Nerita atramentosa, and the tenacity of its foot in various salinities*

The Royal Australian Chemical Institute (RACI) Research Project in Chemistry Encouragement Prizes:

- Steven Carr, Shore School, *Effect of temperature change on pH buffers*
- William Keen, Barker College, *Effect of light on vitamin C*

The STEP Environment Prize

- Nina Pinto, Hornsby Girls High School, *The habitat of the marine snail, Nerita atramentosa, and the tenacity of its foot in various salinities* with a **highly commended mention** to:
- Ellenore Forrester, Redeemer Baptist School, *Enviro Pump*

Educational Assessment Australia UNSW (EAA) Most Promising Young Talent awards

The EAA Most Promising Young Talent Award, Primary Division

- Luke Clifford & Matthew Clifford, Our Lady of Fatima, *The science of sport*

The EAA Most Promising Young Talent Award, Secondary Division

- Daniel Pospischil, Patrician Brothers' College Fairfield, *Preventing soil erosion due to water*

Lane Cove River Tourist Park Ecotourism Award

- Ellenore Forrester, Redeemer Baptist School, *Enviro Pump* with **highly commended mentions** to:
- Daniel Pospischil, Patrician Brothers' College Fairfield, *Preventing soil erosion due to water*
- William Wilhelm, Barker College, *Solar panel efficiency*

STANSW Young Scientist Awards 2007 announced in the Coles Theatre, Powerhouse Museum on Friday, 26 October 2007

University of Sydney School of Physics Encouragement Award

- Kasuni Fernando, James Ruse Agricultural High School, *Relative efficiency of different brands of fluorescent bulbs*
with a highly commended mention to:
- Guy Winnall, St Columba Anglican School, *As straight as an arrow*

GRAND AWARD

The Young Scientist of the Year 2007

Nina Pinto, Hornsby Girls High School, *The habitat of the marine snail, Nerita atramentosa, and the tenacity of its foot in various salinities*