

THE STANSW YOUNG SCIENTIST AWARDS 2008

ANNOUNCED IN THE IAN AND NANCY TURBOTT AUDITORIUM, UNIVERSITY OF WESTERN SYDNEY
FRIDAY, 24 OCTOBER 2008

MAJOR AWARD WINNERS YEARS K-2

Adam Gibson, Redeemer Baptist School, *Racing rockets*

Alyssa dela Cruz, Ebony O'Connor & Sonali Richard, Quakers Hill Public School, *Shoe grip*

Anusha Kumar, Daniel Kim & Sohnjah Lewis, Quakers Hill Public School, *Which ball type bounces best?*

Charlene Valentin & Kiara Collier, Quakers Hill Public School, *Momentum*

Lachlan Hooke, Mahilea Roy & Miranda Xie, Quakers Hill Public School, *Sail and wind*

Luke Clifford, Our Lady of Fatima, *Which batteries last the longest?*

MAJOR AWARD WINNERS YEARS 3-6

Alexander Yeung & Michael Park, Beecroft Public School, *Heat absorption of different colours*

Alexandra Garth, Redeemer Baptist School, *Music to your ears: Can musicians hear higher frequencies than non-musicians?*

Aurora Crain & Sharon Hu, Beecroft Public School, *Pulsing science*

Botan Ozer & Yusuf Basdegirmenci, Beresford Road Public School, *Effect of fertiliser on the growth of macrophytes*

Christian McFarlane, George Anjou, Ian Astalosh & Olivia Buley, St Gerard's Catholic Primary School, *Braking distances for a bike on different terrains*

Christina Petherick, Georgia Ongley, Lauren Briffa & Rebecca Parker, Penrith Christian School, *The threshold of colour*

Donovan Rynne & Jacob Crisologo, Beecroft Public School, *Trebuchet*

Felicia Tan & Manisha Roy, Quakers Hill Public School, *Exercise killing memory: A believable theory*

Ian Garth & Richard Garth, Redeemer Baptist School, *On track with solar energy*

Jamal Keshav, Kody Schoer & Tom Winram, Quakers Hill East Public School, *Look before you leap*

Julia Rheinberger & Morgan McKenzie, Beecroft Public School, *The case of the coloured water*

Veronica Thompson, Abbotsleigh, *Cooling liquids*

MAJOR AWARD WINNERS YEARS 7-9

Biology 7-9

First Place: Christina Sara, Roseville College, *Importance of insects' colour and bands in deterring birds*

Second Place: Sanji Fernando, James Ruse Agricultural High School, *Toxicity of household chemical solutions to soil worms*

Third Place: Katrina Papadakis, Sydney Girls High School, *Music and plant growth*

Chemistry 7-9

First Place: Timothy Le, James Ruse Agricultural High School, *Temperature and viscosity of liquids*

Second Place: Catherine Baldwin, Macarthur Anglican School, *Relationship between burning natural and synthetic fibres*

Third Place: James Campbell, Barker College, *The sun versus colour*

Earth & Environmental Science 7-9

First Place: Annie Feng, International Grammar School, *Solar energy*

Second Place: Jacob Shultz, Hunter Christian School, *Weather station data*

Third Place: Dane Burge, Barker College, *Drought resistant gardening*

Physics 7-9

First Place: Chaneg Torres, Redeemer Baptist School, *Using "isobel" contour mapping to determine acoustically optimum seating positions in classrooms*

Second Place: William Chan, North Sydney Boys High School, *Effect of blade angle on power output of horizontal axis wind turbines*

Third Place: Alexandra Woods, Wollondilly Anglican College, *Relationship between star visibility and location*

MAJOR AWARD WINNERS YEARS 10-12

Best team entry of a scientific investigation 10-12

Matthew Bolton & Timothy Bailey, Redeemer Baptist School, *Prescribing safe handling times for marine creatures II*

Biology 10-12

First Place: Robert Gillespie, Shore School, *Are octopus left- or right-handed?*

Second Place: Alexander Kelly, Shore School, *Effect of coffee consumption on short-term memory*

Third Place: Mitchell Stewart, Shore School, *The ability of vitamin C to quench reactive oxygen species*

Chemistry 10-12

First Place: Benjamin Wallis, Shore School, *Vitamin C content in orange juice*

Second Place: Jessica Huynh, Bethlehem College, *Full cream milk and the Australian and New Zealand Foods Standards Code*

Third Place: Jake Wilson, Shore School, *Soft drinks and chicken bones*

Earth & Environmental Science 10-12

First Place: Sam Wightman, Mullumbimby High School, *Acidic rain water from acid sulfate soils*

Second Place: Campbell Chambers, Shore School, *Effectiveness of thermal insulation*

Third Place: Jessica Dunn, Bowral High School, *Do willows affect the quality of water in rivers?*

Physics 10-12

First Place: Pascal Hendricks, St Pius X College, *Acoustic oscillations as a means of propulsion*

Second Place: Alex Bunting, Shore School, *Effect of temperature on refractive index of liquids*

Third Place: Georgia Umenberger, Presbyterian Ladies College, *Aerodynamic efficiencies of horse floats*

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SPECIAL AWARDS YEARS 7-12

Presented for entries that demonstrate high proficiency in a particular area of the investigation.

Hamish Durkin, Cranbrook School, *Gravity in a vacuum*

Isabel Colman, Sydney Girls High School, *Materials and protective ear covering*

Jeremy Gallagher, St Columba Anglican School, *Groynes and seawalls*

Lachlan Westmore, Barker College, *Air pressure effect on bounce*

Edwin Hickie, Shore School, *Effect of reinforcement on the behaviour of mice*

Simon Elder, Cranbrook School, *Grey water for irrigation*

Victor Butnejski, James Ruse Agricultural High School, *Eco-concrete: A sustainable solution for non-safety critical concrete*

SPONSORED AWARDS

Arup Built Environment Awards

Primary Division

Louisa Thurn & Serine Yau, Beecroft Public School, *The Pringles-Over Balcony Test*

Secondary Division

Chaneg Torres, Redeemer Baptist School, *Using "isobel" contour mapping to determine acoustically optimum seating positions in classrooms*

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

Winner: Jake Wilson, Shore School, *Soft drinks and chicken bones*

High commendation: Albert Borysiewicz, Shore School, *Which fabrics best absorb ultraviolet light*

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

Primary Division

Cory Aitchison, Castle Cove Public School, *What floats? What sinks? Why?*

Secondary Division

Sukitha Krishnamoorthy, Baulkham Hills High School, *Sugar levels of apples*

Lane Cove River Tourist Park Ecotourism Award

Winner: Dane Burge, Barker College, *Drought resistant gardening*

High commendation: Annie Feng, International Grammar School, *Solar energy*

High commendation: Jessica Dunn, Bowral High School, *Do willows affect the quality of water in rivers?*

National Measurement Institute (NMI) Measurement Prize

Chaneg Torres, Redeemer Baptist School, *Using "isobel" contour mapping to determine acoustically optimum seating positions in classrooms*

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

Primary Division

William Garth, Redeemer Baptist School, *Who dunnit? Fact or fairy floss*

Secondary Division

Benjamin Wallis, Shore School, *Vitamin C content in orange juice*

Sam Wightman, Mullumbimby High School, *Acidic rain water from acid sulfate soils*

Science in a Box Excellence Awards

Physical Phenomena

Amanda Sieber, MLC School, *Effect of amount of salt on melting of ice*

Living Things

Callum Bailey, Redeemer Baptist School, *Chicken egg mass with chicken growth*

Earth and its Surroundings

Isabella Camplisson, Middle Harbour Public School, *Dirty dealings with lovely locations*

STEP Environment Award

Winner: Sam Wightman, Mullumbimby High School, *Acidic rain water from acid sulfate soils*

High commendation: Jessica Dunn, Bowral High School, *Do willows affect the quality of water in rivers?*

University of Sydney School of Physics Encouragement Award

Mitchell Grech, Freeman Catholic College, *Optimum tilt for launching projectiles*

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GRAND AWARDS

Budding Young Scientist 2008, sponsored by the School of Education NSW, Australian Catholic University

Charlene Valentin & Kiara Collier, Quakers Hill Public School, *Momentum*

Primary Young Scientist 2008, sponsored by the School of Education NSW, Australian Catholic University

Alexandra Garth, Redeemer Baptist School, *Music to your ears: Can musicians hear higher frequencies than non-musicians?*

The Young Scientist of the Year 2008

Chaneg Torres, Redeemer Baptist School, *Using "isobel" contour mapping to determine acoustically optimum seating positions in classrooms*

Opportunity to attend Intel International Science and Engineering Awards 2009

Chaneg Torres, Redeemer Baptist School, *Using "isobel" contour mapping to determine acoustically optimum seating positions in classrooms*

Sam Wightman, Mullumbimby High School, *Acidic rain water from acid sulfate soils*