

## **Art in Science Awards (Years 9-10)**

### **Sponsor: Cawthron Institute Trust Board**

#### **Bronze: \$50**

Jessica MacBrayne  
Nayland College (Gerd Banke)  
*Chladni Patterns*

#### **Silver: \$75**

Lucy Milligan  
Nelson College for Girls (Sarah Johns)  
*Flower Power*

#### **Gold: \$100**

Bailey O'Malley  
Waimea College (Paul Crofskey)  
*Forces of Nature in Flight*

## **Research Awards (Years 9-10)**

### **Sponsor: Cawthron Institute Trust Board**

#### **Bronze: \$50**

Louie Morris  
Motueka High School (Anthea Garmey)  
*Planet Power*

#### **Silver: \$75**

Stella-Rose Afitu, Zoë Jurgeleit  
Nayland College (Gerd Banke)  
*Bipolar*

#### **Gold: \$100**

Caithan Alec Mark  
Home School (Clive Mark)  
*The Standard Model*

## **Research Awards (Years 11-13)**

### **Sponsor: Cawthron Institute Trust Board**

#### **Bronze: \$50**

Macy Cattell

Nelson College for Girls (Sarah Johns)

*Ruffles or Rugby?*

#### **Silver: \$75**

Estella Grant

Nelson College for Girls (Sarah Johns)

*The One With The Embryos*

#### **Gold: \$100**

Samantha Cronin

Nelson College for Girls (Sarah Johns)

*Saviour Siblings-Would You? Could You?*

## **Science Awards (Years 9-10)**

### **Sponsor: Cawthron Institute Trust Board**

#### **Bronze: \$50**

Livy Hilton, Isabella Wentzell and Emma Rodd

Nelson College for Girls (Louisa Walters)

*UV Rays On Sunny Days*

#### **Silver: \$75**

Nic Hall

Nelson College (Johnnie Fraser)

*Daphnia salt and heart rate increase*

#### **Gold: \$100**

Cassandra Busby

Nelson College for Girls (Sarah Johns)

*Microfiber - Fad or Future?*

## **Science Awards (Years 11-13)**

### **Sponsor: Cawthron Institute Trust Board**

#### **Bronze: \$50**

Thomas Peterson, Jem Postance  
Nelson College (Johnnie Fraser)  
*Polyworms*

#### **Silver: \$75**

Liam Domett-Potts  
Nelson College (Johnnie Fraser)  
*The relationship between period of a daddylonglegs defensive spin and room temperature*

#### **Gold: \$100**

Matthew Edmonds  
Nayland College (Hamish McLellan)  
*Sediment Experiment*

## **Technology Awards (Years 9-10)**

### **Sponsor: Cawthron Institute Trust Board**

#### **Bronze: \$50**

Lucy Milligan, Seren Holden  
Nelson College for Girls (Sarah Johns)  
*Beeswax Beauty*

#### **Silver: \$75**

MacLeay Stevenson  
Nelson College for Girls (Sarah Johns)  
*Chew On This*

#### **Gold: \$100**

Erin Smith  
Nelson College for Girls (Sarah Johns)  
*Going Bananas!*

# **Technology Awards (Years 11-13)**

## **Sponsor: Cawthron Institute Trust Board**

### **Bronze: \$50**

Daniel Ewers

Waimea College (Darren Richardson)

*Drone Camera control*

### **Silver: \$75**

Jamie Simonsen

Waimea College (Darren Richardson)

Laser Engraver

### **Gold: \$100**

Yuichiro Fukushima

Nelson College (Johnnie Fraser)

*AI will make you happy?*

# Special Criteria Awards

## **Nelson Pine Award**

**Sponsor: Nelson Pine Industries**

Prize: \$300

Criteria: Best use of wood materials

Joshua Hill

Waimea College (Andrew Gillespie)

*Pedestal table*

## **Albert Jones Award**

**Sponsor: Nelson Science Society**

Criteria: Best communicator through oral presentation

**Bronze: \$50**

Zoë Jurgeleit

Nayland College (Gerd Banke)

*Bipolar*

**Silver: \$100**

Tessa Barnes

Motueka High School (Anthea Garmey)

*The Spike of Life*

**Gold: \$150**

Macy Cattell

Nelson College for Girls (Sarah Johns)

*Ruffles or Rugby?*

## **Plant & Food Research Award**

**Sponsor: Plant & Food Research**

Prize: \$150

Criteria: The best investigation into seafood and/or food technology

Samantha Waite, Meg Cook, Ella Reardon, Nikki Wynan

Nelson College for Girls (Jo Beggs)

*Arctic Pro*

## **Baking Industry Research Trust Primary Award**

### **Sponsor: NZ Baking Industry Research Trust**

Prize: \$50 and 'The Kitchen Science Cook Book' by Dr. Michelle Dickinson

Criteria: Best understanding of flour usage or bakery products in a food related project

Joe Leach

Nelson College

*Sourness of Sough Dough*

## **Royal Aeronautical Society Primary Award**

### **Sponsor: Royal Aeronautical Society, Blenheim Branch**

Prize: \$100

Criteria: The best investigation relating to 'flow', including hydro and aero dynamics

Bailey O'Malley

Waimea College (Paul Crofskey)

*Forces of Nature in Flight*

## **Nelson Botanical Society**

### **Sponsor: Nelson Botanical Society Award**

Prize: \$100

Criteria: The best investigation relating to botany

Lucy Milligan

Nelson College for Girls (Sarah Johns)

*Flower Power*

## **Marine Conservation Award**

### **Sponsor: Friends of Nelson Haven and Tasman Bays**

Prize: \$50 + family subscription for a year

Criteria: Best in Marine Conservation

Matthew Edmonds

Nayland College (Hamish McLellan)

*It's Sedimentary My Dear Watson*

## **Port Nelson Award**

### **Sponsor: Port Nelson Ltd**

Prize: \$300

Criteria: The best marine related environmental project

Estella Grant

Nelson College for Girls (Sarah Johns)

*Purification or Filtration Termination*

## **Youth Leadership**

### **Sponsor: Nelson City and Tasman District Councils**

Prize: \$300

Criteria: The best investigation focused on sustainability and community

### **Joint First**

Ben Lees

Nelson College (Johnnie Fraser)

*Incredible edible*

Grier Rollinson

Nelson College for Girls (Sarah Johns)

*Salty Solution*

## **Soroptimist International Award**

### **Sponsor: Soroptimist International, Waimea Club**

Prize: \$100 each

Criteria: Best female in Years 9-10

### **Science**

Moeka Koyama

Motueka High School (Thomas Clitheroe)

*Characteristics of Local Soils*

### **Research**

Zoë Jurgeleit, Stella-Rose Afitu

Nayland College (Gerd Banke)

*Bipolar*

## **Soroptimist International Award**

**Sponsor: Soroptimist International, Nelson Club**

Prize: \$100 each

Criteria: Best female in Years 9-10

### **Art in Science**

Lucy Milligan

Nelson College for Girls (Sarah Johns)

*Flower Power*

### **Technology**

Izzy Anderson, Lauren Burden

Nelson College for Girls (Sarah Johns)

*Fanplastic Ponchos*

## **Nelson Soroptimist Education Trust Award**

**Sponsor: Nelson Soroptimist Club**

Prize: \$500

Criteria: Best investigation by female showing technological method

Samantha Waite, Meg Cook, E Reardon, N Wynan

Nelson College for Girls (Jo Beggs)

*Arctic Pro*

## **Tonkin and Taylor Environmental Sustainability Award**

**Sponsor: Tonkin and Taylor**

Prize: \$200

Criteria: Best project utilising the earth's resources while achieving a long-term ecological balance

Tessa Wotton, Grace Meehan, Brooke Manion

Nelson College for Girls (Sarah Johns)

*BiodeGROWable*

## **Electronics Award**

**Sponsor: Sensys - Systems for sensing our world**

Prize: \$250

Criteria: Best project in electronics

Daniel Ewers

Waimea College (Darren Richardson)

*Drone camera control*

## **NMIT Aquaculture Award**

**Sponsor: Nelson Marlborough Institute of Technology**

Prize: \$250

Criteria: Best investigation into aquaculture

Estella Grant

Nelson College for Girls (Sarah Johns)

*Purification or Filtration Termination*

## **PASCO Award**

**Sponsor: PASCO**

Prize: Temperature and pH sensor equipment for school

Criteria: Best project involving measurement of pH or temperature

Jade Shutte

Waimea Collage (Ross Quinton)

*pH Power*

## **STEAMS Award**

**Sponsor: Ministry of Inspiration**

Prize: NZ Aquabots kit

Criteria: Best Year 9-10 project showing innovation and creativity

Jessica MacBrayne

Nayland College (Gerd Banke)

*Chladni Patterns*

## **Michael Wraight Award**

### **Sponsor: Nelson Beekeepers**

Prize: Microscope (value \$450)

Criteria: Best project in biological sciences

Samantha Cronin

Nelson College for Girls (Sarah Johns)

*Saviour Siblings-Would You? Could You?*

## **NZIFST Award**

### **Sponsor: New Zealand Institute of Food Science and Technology**

Prize: \$150

Criteria: Best project involving food science and technology

MacLeay Stevenson

Nelson College for Girls (Sarah Johns)

*Chew On This*

## **Menzshed Metal Award**

### **Sponsor: Menzshed**

Prize: \$100

Criteria: Best metal work project

Liam Meek

Waimea College (Darren Richardson)

*Air Engine*

## **Menzshed Woodwork Award**

### **Sponsor: Menzshed**

Prize: \$100

Criteria: Best wood work project

Joshua Hill

Waimea College (Andrew Gillespie)

*Pedestal Table*

## **The Royal Forest and Bird Shield**

### **Sponsor: Royal Forest and Bird Protection Society**

Prize: The historic shield, one years' membership to the Forest and Bird Society and a \$50 book voucher

Criteria: The best study of a native plant, bird or other animal or their protection.

Estella Grant

Nelson College for Girls (Sarah Johns)

*Purification or Filtration Termination*

## **Hands-On at Otago Award**

### **Sponsor: University of Otago**

Prize: A fully-funded place at the Hands-On Science week at the University of Otago, Dunedin (value approx. \$1000)

Criteria: The best application of scientific method

Matthew Edmonds

Nayland College (Hamish McLellan)

*Sediment Experiment*

## **Dick Roberts Memorial Trust Award (Female)**

### **Sponsor: Dick Roberts Memorial Trust**

Prize: \$350 & personal trophy by The Centre for Fine Woodworking

Criteria: The best investigation relating to life sciences, biology or geology

Eleanor Bamfield, Alice Bathgate, Phoenix Binnie-Genet, Grace Dowling, Laycee King, Amelia Mephan, Georgia Roche, Sophia Ryan, Neve Scott, Megan Shields

Nelson College for Girls (Sheridan Mackenzie)

*Keeping the pests out*

## **Dick Roberts Memorial Trust Award (Male)**

**Sponsor:** **Dick Roberts Memorial Trust**

Prize: \$350 & personal trophy by The Centre for Fine  
Woodworking

Criteria: The best investigation relating to life sciences, biology or  
geology

Matthew Edmonds

Nayland College

Hamish McLellan

*Sediment Experiment*

# Supreme Awards

## **John Cross Best Scientific Investigation Award**

**Sponsor: Cawthron Institute Trust Board**

Prize: \$500 and trophy

Criteria: Overall best science project

The John Cross Best Scientific Investigation Award is presented to the highest scoring science project. The investigation is marked on originality, technical and graphical skills, statistics, presentation and literature review.

**Macy Cattell**

**Nelson College for Girls**

*Move those Mussels*

## **The Des Duthie Technology Award**

**Sponsor: Cawthron Institute Trust Board**

Prize: \$500 prize and trophy

Criteria: Overall highest scoring technology investigation

Des Duthie led the Fair for 10 years before passing the reins to the Cawthron Institute Trust Board when he took up his latest post as Head of Science at Tereora College, Cook Islands. Des brought an amazing level of passion and commitment to the Fair and to the students. He strived to make the Fair a landmark annual event that encouraged and rewarded excellence.

On request from Des, the Des Duthie Technology Award was designed by engineer and amateur astronomer Peter Knowles, who also designed the sundial in Richmond's Sundial Square.

**S Waite, M Cook, E Reardon, N Wynan**

**Nelson College for Girls**

*Arctic Pro*