

43rd FONTERRA - MANAWATU SCIENCE AND TECHNOLOGY FAIR 2017

PRIZE LIST

Fonterra BEST EXHIBIT IN FAIR –RUNNER UP Prize

Technology

ST451	PNGHS	The inclusion project	Rawan Al-Sakkaf	Lily Holder McFlinn
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Project Title: The Inclusion Project

Aim: Web app to combat social exclusion at school

Science

IS240	Cornerstone Christian School	Identify Your Target Beyond All Doubt	Seth Stewart
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Project Title: Identify Your Target Beyond All Doubt

Aim: Which coloured camouflage is most visible (safest)

Fonterra BEST EXHIBIT IN FAIR – PREMIER Prize:

Technology

Names: Olivia Goodman

School: PNINS

Project Title: Hedz up

Aim: Turning off headphones by remote

Science

Name: Katie Liu and Zoe Glentworth

School: PNGHS

Project Title: The Effects of Synergy on the Insect Repellent properties of *Macropiper excelsum*, *Corymbia citriodora*, *Achillea millefolium*.

Aim: Testing the repellency of different plant extracts

Massey SCIENCE & TECHNOLOGY Distinction Prizes:

IS213	PNINS	Nadia Mabey	Brea Richardson
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IS232	PNINS	Ben McQueen Davies		
IS237	PNINS	Lucia Kearney		
IS245	Bunnythorpe School		Kali Edwards	
IS260	PNINS	Peter Scott		
IT303	PNINS	William Giles		
IT318	Monrad Intermediate		Mia Tahiwī	
IT321	PNINS	Mashal Iqbal		
PS114	Awapuni Primary School		Room 2	
PS126	Russell St School	Renaë Adrian		
SS403	PNGHS	Yuwen Liang		
ST452	PNGHS	Nuwandi Palmada		
IT312	Ashhurst	Kaci Whaanga		
IS210	Ashhurst	Katherine Peet		
IS228	Carncot	Antoinette Hehir		
IS242	Cornerstone Christian School		Rhema Brown	
IS251	PNINS	Scott Grady	Alice Burgess Hight	
IS254	Cornerstone Christian School		Reuben McCracken	
IT305	Cornerstone Christian School		Anyā Simpson	Joel Titus
IT327	Cornerstone Christian School		Christian Ruihi-Lewis	Oliver Southall

Fonterra HIGH DISTINCTION SCIENCE and TECHNOLOGY

PRIZES:

IS207	PNINS	Katarina Kenzie			
IS214	PNINS	Danielle Stewart			
IS230	PNINS	Amy Grayson			
IS235	Ross Intermediate	Ana Faville			
IS255	Monrad Intermediate	Georgia Lunn			
IS266	Ross Intermediate	Emily Williams			
PS102	Bunnythorpe School	Kellan Galloway			
PS122	Russell St School	Lachie Dale			
SS402	PNGHS	Andrea Vajatieng	Zainab Bibi	Sonakssi Ramilan	
SS404	PNBHS	Jacob Aull			
SS405	PNGHS	Bethany Mitchell			
SS407	PNBHS	Jonas Holman			
SS408	PNBHS	Lachlan Walcroft	Rohan Sharma	Davis Farrar-Ferguson	
ST450	PNGHS	Jhamei Gariando	Maggie Fang	Lillian Cheng	Sabrina Ng
ST453	PNGHS	Mira Odom			
ST454	PNGHS	Juliette Fakahau	Emily Vickerman		
ST456	PNGHS	Ana Luxford-Sullivan	Jordan Wilson-Leota		

IT326	Carncot	Emily McKinlay
IT300	Solway College	Greta McGrath

FONTERRA JUNIOR SCIENCE and TECHNOLOGY Prizes

Highly Commended

PS114	Awapuni Primary School	Room 2			
PS103	Russell Street School	Ruby Korau Marsh	Libby Stevens		
PS109	Awapuni Primary School	Room 3			
PS108	Russell Street School	Room 3 (Tohora Nui) and 4 (Te Ngahere) - Year 1 and 2			
PS126	Russell Street School	Renaë Adrian			
PS127	Russell Street School	Ruby Mainwaring	Isabella Lee	Jayde Harman	Phoebe Jensen

3rd Place

PS120	Russell Street School	Alex Christiansen
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2nd Place

PS102	Bunnythorpe School	Kellan Galloway
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1st Place

PS122	Russell Street School	Lachie Dale
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Fonterra Science Encouragement Prizes

These awards recognise students whose research has that certain spark and is a really good idea, but may not be fully researched or developed. It shows potential for excellence.

PS112	Russell Street School	Room 9 (NineBlasters) - Year 3			
PS119	Riverdale	Aaron Mudford			
PS120	Russell Street School	Alex Christiansen			
IS261	PNINS	Tarang Kant	Christian Alefaio		
IS262	Cornerstone Christian School	Gabriel Taylor-MacLean			
IS263	Cornerstone Christian School	Caragh Aspden			
IT307	PNINS	Kevin Cao			
PS106	Russell Street School	Joshua Stevens	Lizzy Swadel	Billy Pinder	
PS104	Russell Street School	Room 8 (Illumin8) - Year 3			
IT311	PNINS	Riley Kinloch			
IT319	PNINS	Kasey Weavers			
IS231	PNINS	Seb Hayman	Mitchell Liang		
IS247	Ross Intermediate	Georgia Tindle			
IS229	Ross Intermediate	Oliver Haggett			
IS215	PNINS	Josephine Myers			
IS219	PNINS	Alex King			

Youth Judged Science and Technology Prizes

PS12 7	Russell Street School	Ruby Mainwaring	Isabella Lee	Jayde Harman	Phoebe Jensen
IT304	Cornerstone Christian School	Joel Woodmass			
IT308	Ashhurst	Max Miller			
IT317	Ashhurst	Jon Berrett			

IS207	PNINS	Katarina Kenzie
IS211	PNINS	Jake Rayner
IS260	PNINS	Peter Scott

SPECIAL PRIZES

House of Science

For a project which celebrates creativity, passion and commitment in Science or Technology.

3rd Place :

IS255	Monrad Intermediate	Georgia Lunn
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2nd Place:

IT305	Cornerstone Christian School	Anya Simpson	Joel Titus
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1st Place:

IT326	Carncot	Emily McKinlay
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Australian and New Zealand Council for the Care of Animals in Research and Teaching

For correct protocol through the animal ethics committee, &/or human care of the animals involved

IT326	Carncot	Emily McKinlay
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Horizons Regional Council Internship Prize

A day out with Horizons Regional Council experiencing various areas of council business including freshwater science, biodiversity, catchment operations, transport, and hydrology

IS211	PNINS	Jake Rayner
IS230	PNINS	Amy Grayson

IS236	PNINS	Sophie Ward
IS247	Ross Intermediate	Georgia Tindle
IS262	Cornerstone Christian School	Gabriel Taylor-MacLean

[Institute of Professional Engineers of New Zealand \(IPENZ\) Manawatu Branch Prizes](#)

For a Science or technology project that illustrate how engineering is considered as the development of a concept right through to detailed design and construction.

ST453	PNGHS	Mira Odom
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[Landcare Research Environment Prize and Day Tour](#)

For the best intermediate and secondary exhibit featuring an environmental aspect. This exhibit uses both science and technology to develop a real solution to a real problem in the outdoors.

Intermediate:

IS234	PNINS	Thomas van Rysewyk
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Secondary:

SS401	PNGHS	Katie Liu	Zoe Glentworth
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[Manawatu Branch Geoscience Society of NZ](#)

For a Science investigation related to geology and mineralogy

IS230	PNINS	Amy Grayson
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[Massey University, Institute of Fundamental Sciences - Biology Prize](#)

For the best exhibit relating to the understanding of biology

First Place:

IS232	PNINS	Ben McQueen Davies
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[Massey University, Institute of Fundamental Sciences – Chemistry Prize](#)

For the best exhibit involving chemistry

Highly Commended:

IS212	PNINS	Malissa Sun
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Chemistry First Place

IS260	PNINS	Peter Scott
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[Massey University, Institute of Fundamental Sciences–Physics and Biophysics Prize](#)

For the best exhibit relating to the understanding of the principles of Physics

Physics & Biophysics First Place:

IS248	PNINS	Ayah Kayed
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[Massey University, Institute of Fundamental Sciences - Statistics Prize](#)

For the best exhibit relating to the understanding of the principles of Statistics

Highly Commended:

SS406	PNBHS	Emmanuel Joseph Shaji	John Robinson	Alan Kirk
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Statistics First Prize

SS401	PNGHS	Katie Liu	Zoe Glentworth
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[Statistics NZ and NZ Statistical Association Prize -](#)

For the best projects involving statistics

Commended:

PS114	Awapuni Primary School	Room 2
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Statistics Second Place - Intermediate

IS232	PNINS	Ben McQueen Davies
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Statistics First Place - Intermediate

IS235	Ross	Ana Faville
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Statistics 2nd Place - Primary

PS107	Russell Street School	Abby Ives
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Statistics 1st Place - Primary

PS122	Russell Street School	Lachie Dale
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[Massey University, Institute of Agriculture and Environment - Ecology Group Prizes](#)

For the best exhibits promoting conservation and native biodiversity

2nd equal:

IS218	PNINS	Willa McLaughlan
SS403	PNGHS	Yuwen Liang

1st Equal:

SS401	PNGHS	Katie Liu	Zoe Glentworth	
SS402	PNGHS	Andrea Vajatieng	Zainab Bibi	Sonakssi Ramilan

[Massey University, Institute of Agriculture and Environment - Land Based Industries Prizes](#)

For the best intermediate and secondary soil, plant, animal exhibits

Intermediate 2nd place -:

IS230	PNINS	Amy Grayson
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Intermediate 1st place - :

IS214	PNINS	Danielle Stewart
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Secondary - 1st place:

SS401	PNGHS	Katie Liu	Zoe Glentworth
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[Massey University, Institute of Agriculture and Environment - Conservation Prizes](#)

For the best intermediate and secondary soil, plant, animal exhibits

2nd Place:

IS247	Ross Intermediate	Georgia Tindle
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1st Place:

IS224	PNINS	Wilson Hannon
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[Massey University, School of Food and Nutrition – Nutritional Science Prize](#)

For an exhibit that best contributes to a project focused on food and nutrition.

First Place:

ST452	PNGHS	Nuwandi Palmada
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[Massey University, School of Food and Nutrition – Food Technology Prize](#)

For an exhibit that best contributes to the development of an innovative food product.

First Place:

IS266	Ross Intermediate	Emily Williams
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[Massey University, School of Engineering and Advanced Technology Prize](#)

For an outstanding exhibit demonstrating engineering principles

Primary

PS120	Russell Street School	Alex Christiansen
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Intermediate - 1st equal:

IS255	Monrad Intermediate	Georgia Lunn
IT306	Monrad Intermediate	Shay Elston

[Massey University Internship](#)

For a project that shows excellence in their research, science understanding and exceptional promise for a career in the Sciences

Internship:

IS260	PNINS	Peter Scott
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[Mina McKenzie Indigenous Science Prize](#)

For the best investigation of some aspect of science related to indigenous culture

IS242	Cornerstone Christian School	Rhema Brown
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[MSTF Approval prize](#)

For a project that has shown thoroughness while adhering to the correct ethical and safety protocols

ST450	PNGHS	Jhamei Gariando	Maggie Fang	Lillian Cheng	Sabrina Ng
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[New Zealand Institute of Agricultural and Horticultural Science Prizes](#)

For a science investigation and/or technology project that relate to:

(1) Agriculture:

IS254	Cornerstone Christian School	Reuben McCracken
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(2) Horticulture:

IS238	Ross Intermediate	Hannah Kidd
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(3) Animal Science

PS102	Bunnythorpe School	Kellan Galloway
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[New Zealand Microbiological Society \(Mike Baxter Prize\)](#)

This is a prize for the best microbiology project. Mike Baxter was a microbiologist at Massey University who gave the society money to promote microbiology to school students.

IS264	Cornerstone Christian School	Joshua Ah-Chan
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[New Zealand Institute of Food Science and Technology Prize](#)

For the exhibits that most effectively present an aspect of food science or food technology.
Highly Commended:

PS126	Russell St School	Rena Adrian
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IT318	Monrad Intermediate	Mia Tahiwī
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Best Exhibit:

IS237	PNINS	Lucia Kearney
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[New Zealand Baking Industry Research Trust Prizes](#)

For the best investigations in some aspect of cereal and flour usage

First Place:

PS108	Russell Street School	Room 3 (Tohora Nui) and 4 (Te Ngahere) - Year 1 and 2
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[The Science Centre Inc. Prize](#)

Science investigation and/or technology project that best displays the curiosity and ingenuity of the young investigator

IT327	Cornerstone Christian School	Christian Ruihi-Lewis	Oliver Southall
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[New Zealand Institute of Chemistry prize](#)

For the best exhibit relating to chemical principles

First place:

SS407	PNBHS	Jonas Holman
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[S+ART](#)

For an entrant that has applied creativity to their project.

IT326	Carnco t	Emily McKinlay
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[Science Award Trust Prizes](#)

For projects relevant to the science badges offered by the Science Award Trust

IS208	PNINS	Emma wang
IS211	PNINS	Jake Rayner
IT329	PNINS	Aadesh Ganugapati
IT331	PNINS	Jessica Lloyd
IT330	PNINS	Charlotte Orme
PS107	Russell St School	Abby Ives
PS108	Russell St School	Room 3 (Tohora Nui) and 4 (Te Ngahere) - Year 1 and 2
PS119	Riverdale	Aaron Mudford

[UCOL Faculty of Health and Sciences prizes](#)

[UCOL National Diploma in Science prize](#) for the best laboratory techniques demonstrated.

IS264	Cornerstone Christian School	Joshua Ah-Chan
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UCOL National Diploma in Science prize for the best graphical display of results.

IS260	PNINS	Peter Scott
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UCOL Diploma in Vet Nursing prize for the best project involving care of animals.

IS257	PNINS	Holly McInnes
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UCOL Diploma in Vet Nursing prize for the best project involving animal behaviour, physiology or anatomy.

IS253	PNINS	Jessica Allen
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UCOL Certificate in Science and Health prize for the best project involving health.

IT300	Solway College	Greta McGrath
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UCOL Certificate in Science and Health prize for the best project for applying science to everyday life.

PS114	Awapuni Primary School	Room 2
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[UCOL Faculty of Engineering and Applied Technology Prizes](#)

UCOL Faculty of Engineering and Applied Technology prize for the best project involving carpentry or wood construction.

IT321	PNINS	Mashal Iqbal
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UCOL Faculty of Engineering and Applied Technology prize for the best electrical project.

IT316	Ashhurst	Jonah Ackerman
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UCOL Faculty of Engineering and Applied Technology prize for the best automotive/propulsion project.

IT308	Ashhurst	Max Miller
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UCOL Faculty of Engineering and Applied Technology prize for the best project innovative project.

IT331	PNINS	Jessica Lloyd
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UCOL Faculty of Engineering and Applied prize for the best project involving metal construction.

IT304	Cornerstone Christian School	Joel Woodmass
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UCOL Faculty of Engineering and Applied Technology prize for the project involving farming.

IS238	Ross Intermediate	Hannah Kidd
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[UCOL Faculty of Humanities and Business Prizes](#)

UCOL Faculty of Humanities and Business Prize for Creative Innovation for the best project demonstrating creative innovation

ST451	PNGHS	Rawan Al-Sakkaf	Lily Holder McFlinn
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UCOL Faculty of Humanities and Business Prize for ICT Innovation for the best use of emerging technology

IT315	PNINS	Olivia Goodman
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UCOL Faculty of Humanities and Business Prize for Business Potential for the best business innovation project

IT326	Carnco t	Emily McKinlay
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Memorial Prizes

[Dr Gregor Yeates Memorial Prize - in memory of Dr Gregor Yeates, FRSNZ](#)

For an investigation relating to Soil Biota

IS262	Gabriel Taylor- MacLean	Cornerstone Christian School	
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[Langley Memorial Prize – in memory of Keryn and Callum](#)

For creativity, passion and commitment in Science or Technology.

IT309	PNINS	Ben Herron	
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Cultural Heritage Awards

[Te Tahuri Whenua prize - National Collective](#)

For the best Kai Maori related Kaupapa projects.

SS404	PNBHS	Jacob Aull
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IS244	Bunnythorpe School	Aneah Knight
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[Te Reo Maori Me Te Pūtaiao Prize - MWWL Ikaroa branch - Rangitaane o Manawatu.](#)

For an exhibit presented and interviewed in Te Reo Māori at all levels

IS245	Bunnythorpe School	Kali Edwards
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[Vaka Science Excellence Awards – Ministry for Pacific Peoples](#)

These prizes are for a student of Pacific Island nationality with a quality project in one of the following four different categories.

- (i) Science (Biology & Chemistry)
- (ii) Engineering (Physics & Maths)
- (iii) Technology (Applied Science)
- (iv) Environmental Science

Science (Biology & Chemistry) - 2nd Place

ST455	PNGHS	Grace Fakahau
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Science (Biology & Chemistry) - 1st Place

SS404	PNBHS	Jacob Aull
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Engineering (Physics & Maths) - 1st Place

IS242	Cornerstone Christian School	Rhema Brown
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Technology (Applied Science) - 3rd Place

IT328	Cornerstone Christian School	Mario Fouva'a
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Technology (Applied Science) - 2nd Place

ST454	PNGHS	Juliette Fakahau	Emily Vickerman
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Technology (Applied Science) - 1st Place

ST456	PNGHS	Ana Luxford-Sullivan	Jordan Wilson-Leota
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Vaka Primary Science 1st Equal

PS109	Awapuni Primary School	Room 3
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PS121	Russel Street School	Caid Allen	Sofina Fa'aea
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Vaka Primary Technology 1st Place

PS114	Awapuni Primary School	Room 2
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[Pasifika Theme Projects](#)

The prizes are open to all students whose projects align with a Pasifika theme or and has an impact on a Pacific idea or issue.

Highly commended

PS117	Cornerstone Christian School	Sophie Pinkney		
IS242	Cornerstone Christian School	Rhema Brown		
IS215	PNINS	Josephine Myers		
SS404	PNBHS	Jacob Aull		
ST454	PNGHS	Juliette Fakahau	Emily Vickerman	
ST455	PNGHS	Grace Fakahau		
ST456	MSTF	PNGHS	Ana Luxford-Sullivan	Jordan Wilson-Leota

Ministry for Pasifika Themed Project - 1st Place

PS133	Awapuni	Zack Foot
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[Royal Society of New Zealand - Manawatu Branch Inc. Prizes](#)

For an outstanding exhibit that demonstrates strong potential for the student's future in science or technology. Three awards have been given to the following recipients

IT315	PNINS	Olivia Goodman
PS122	Russel Street School	Lachie Dale
IS255	Monrad Intermediate	Georgia Lunn

DairyNZ Prizes

These prizes are awarded for projects related to a field of interest to the Agricultural sector

High Distinction

IS234	PNINS	Thomas van Rysewyk
IT329	PNINS	Aadesh Ganugapati

2nd Place

SS405	PNGHS	Bethany Mitchell
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1st Prize

IS254	Cornerstone Christian School	Reuben McCracken
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