

44th FONTERRA - MANAWATU SCIENCE AND TECHNOLOGY FAIR 2018

PRIZE LIST

Fonterra BEST EXHIBIT IN FAIR –RUNNER UP Prize

Technology EQUAL

IT331	Wilson Hannon	PNINS for his project Exploring solutions for palmy plastic litter	AIM: to reduce plastic going into the ocean
-------	---------------	---	--

AND

IT334	Jamie Rea	Monrad Intermediate for his project Echo-Location	AIM: to create a device that might assist a blind person.
-------	-----------	--	--

Science

IS219	Stephanie Stewart	PNINS for her project Reduce food waste	AIM: to explore options to reduce food waste
-------	-------------------	--	---

Fonterra BEST EXHIBIT IN FAIR – PREMIER Prize:

Technology

IT308	Ruby Mainwaring from PNINS with her product Get a grip	AIM: to create a glove grip for elderly person
-------	---	---

Science

SS362	Joseph Chamberlain from Freyberg High School with his project The Mystery of WASP 17B	AIM: Astrological study of the movement of an exoplanet with measurement in order to better understand it's behaviour
-------	--	---

Massey SCIENCE & TECHNOLOGY Distinction Prizes:

IS206	PNINS	Emma Mudford	Poo2Power
IS207	PNINS	Sophie Peters	To wear or not to wear
IS215	PNINS	Zlata Shapran	Onion Hydroponics
IS227	PNINS	Thomas Van Rysewyk	Stream Check
IS228	PNINS	Tom Brown	The weight of the wet dude
IS231	PNINS	Annabelle Paddison	Annie's water wheel
IS233	Cornerstone Christian School	Edrei Samuel and Judah Pereka	Shall we Fidget?
IS237	Cornerstone Christian School	Caragh Aspden	Watching Paint Dry
IS253	PNINS	Ella Wingfield-Smith	Erosion
IT313	PNINS	Anais Thompson	Solar deflector jacket
IT337	Ross Intermediate	Ruby Wilkins	Paint the dirt
SS351	Nga Tawa Diocesan School	Jeph Hawe	Can Manuka save our rivers?
SS364	PNBHS	Christopher Dewhurst	Ricing to the challenge
SS367	PNBHS	Finn Martin and Junius Ong	Vitafresh Hot or not
SS368	PNBHS	Nick Slegers and Max Edwards	Sweet Potatoes
ST377	Awatapu College	Sean MacDonald-Hill	Chin Up
IS212	PNINS	Brianna Adkins, Leah Brown, Jade Rowe	Flower Power

Fonterra SCIENCE and TECHNOLOGY HIGH DISTINCTION PRIZES

IS200	PNINS	Charlotte Orme	Tō Ngāhere Tō Whare Rongoā
IS210	PNINS	Lilly Rooney	Waste Embraced
IS225	PNINS	Esther Steer	Bait expectations
IS229	Ross Intermediate	Krissie Bearsley	Gluten free
IS236	Ross Intermediate	Abby Ives	The 5 second rule
IS243	Carncot School	Alana Smith	Improving post surgical welfare using the "bowlevator".
IS252	Cornerstone Christian School	Christian Ruihi-Lewis and John Cagoan	Naturally Aerating Water
IS260	Linton Camp School	Phoenix Harvie	Water Kefir Fermentation
IT300	PNINS	Ayja Taylor	Essential Potential
IT307	PNINS	Lucy McLean	The last plastic straw
IT310	PNINS	Ruby Hansen -Thomas	The plastic bag bag
IT311	PNINS	Mackenzie Rate	Don't let your grip slip
IT329	Cornerstone Christian School	Hamish Couperus	Vibra Vest
IT331	PNINS	Wilson Hannon	Exploring solutions for palmy plastic litter
SS353	Awatapu College	Georgia Lunn	Cry Me A River
SS357	PNGHS	Jessica Goodman	Lichen this light
SS358	Awatapu College	Willa McLachlan	Reading Matters
SS363	Awatapu College	Gryffin Powell	Time Flies When You're Having Fun
ST375	PNGHS	Juliet Fakahau	Desalinator: Take #2
ST376	Freyberg High School	Justyn Bearsley	Saving Lego Lives

FONTERRA SCIENCE and TECHNOLOGY JUNIOR Prizes

Highly Commended

PS102	Russell Street School	Peyton Hardy	Floatatious
PT105	Carncot School	Anna Wood, Ivy Hadley-Jones, Sophia Pinkney	Underground Detective
PS109	Whakarongo School	Finn Bennett	Measuring Meteor Mayhem
PS110	Whakarongo School	Ava Brock	Rabbit Water Consumption
PS114	Bunnythorpe School	Lucas MacDonald	Aerodynamics

3rd Place

PS111	Whakarongo School	Adiel Ngirazi	Plastic Wrap Polymer
PS106	Carncot School	Allie Booth, Sophie Kirkwood, Ashleigh van Rynbach	Sparkling Clean

2nd Place

PS104	Russell Street School	Campbell Mackintosh	Iron - Not just for robots
--------------	-----------------------	---------------------	----------------------------

1st Place

PS108	Ashhurst School	Caridy Chittenden and Emma Taylor	Slimy Slinky
--------------	-----------------	-----------------------------------	--------------

[Fonterra Science Encouragement Prizes](#) - judged by our youth judges.

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.

IS204	PNINS	Jesse Franks	Aerodynamics and turbulence
IS217	PNINS	Zachary Hintz	Skyscraper aerodynamics
IS223	PNINS	Scott Grady	Ethanol extravaganza
IS224	PNINS	Anika Paterson	Bio.d.bag
IS234	Monrad School	Sophie Dobson	Picture Perfect???
IS240	Ross Intermediate	Mereana Gulbransen, Jayda Maniapoto, Shae Te Whata	Te reo kia rere
IIS241	Cornerstone Christian School	Jiyeon Hahm	The Sweet, Sour and Salty effect on Rice
IS244	Carncot School	Jiya Bothra	Do you see what I see?
IS249	Carncot School	Thomas Malone	To Grow or not to grow?
IS254	PNINS	Georgia Packer, Ashlee Purves	Invisible
IT303	PNINS	Abby Stones, Sonja Li	Sunwipes
IT304	Newbury School	Joshua Moss	Sweet Tooth!
IT306	Ashhurst	Maia DeWit, Logan Jennens-Penketh	Speak Up
IT322	Ross Intermediate	Sophie Cumming	Classroom for kids with autism
IT332	Cornerstone Christian School	Joel Woodmass	Bridge in a Bag

Youth Judged Science and Technology Prizes

These are the top projects as judged by our youth judges.

IT329	Cornerstone Christian School	Hamish Couperus	Vibra Vest
IT308	PNINS	Ruby Mainwaring	Get a grip
SS360	PNGHS	Hem Chokshi	Strickin' Lichen
IS221	PNINS	Abbie Taylor	Is it all lies?
SS353	Awatapu College	Georgia Lunn	Cry Me A River
IS245	Carncot School	Amy Macpherson	Developing Eye Sight
IS252	Cornerstone Christian School	Christian Ruihi-Lewis, John Cagoan	Naturally Aerating Water
IT307	PNINS	Lucy McLean	The last plastic straw
IT320	Cornerstone Christian School	Petra Brookie	5+ and 5 star Muesli Bar
SS368	PNBHS	Nick Slegers and Max Edwards	Sweet Potatoes

SPECIAL PRIZE CATEGORY

These are the prizes that are linked in some way to the topic of your project.

[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

Highly Commended:

IS225	PNINS	Esther Steer	Bait expectations
--------------	-------	--------------	-------------------

First Place:

IS243	Carncot School	Alana Smith	Improving post surgical welfare using the "bowlevator".
--------------	----------------	-------------	---

[Horizons Regional Council Internship Prize](#)

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

IS206	PNINS	Emma Mudford		Poo2Power
IS215	PNINS	Zlata Shapran		Onion Hydroponics
SS351	Nga Tawa Diocesan School	Jeph Hawe		Can Manuka save our rivers?
SS353	Awatapu College	Georgia Lunn		Cry Me A River
IS252	Cornerstone Christian School	Christian Ruihi-Lewis	John Cagoan	Naturally Aerating Water

[Formally known as the Institute of Professional Engineers of New Zealand \(IPENZ\) Manawatu](#)

[Branch Prize, now known as the Engineering New Zealand \(ENZ\) - Manawatu Branch Prize](#)

This is 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.

IT332	Cornerstone Christian School	Joel Woodmass	Bridge in a Bag
--------------	------------------------------	---------------	-----------------

[Manaaki Whenua – Landcare Research Environment Prize and Day Tour](#)

For the best intermediate and secondary exhibit featuring an environmental aspect.

These exhibits use both science and technology to develop a real solution to a real problem in the outdoors.

Intermediate:

IT331	PNINS	Wilson Hannon	Exploring solutions for palmy plastic litter
--------------	-------	---------------	--

Secondary:

SS351	Nga Tawa Diocesan School	Jeph Hawe	Can Manuka save our rivers?
--------------	-----------------------------	-----------	-----------------------------

[Inspire Net Electronic Display Prize](#)

This is a new prize this year. For the first time we trialled students presenting their projects using an electronic display rather than the traditional science fair board.

Second Place

DDIT501	St Peters College	Eugene Wu	Jarrus
----------------	-------------------	-----------	--------

First Place

DDST504	Ross Intermediate	Linn Herzig	Super Soil
----------------	-------------------	-------------	------------

[Manawatu Branch Geoscience Society of NZ](#)

For a Science investigation related to geology and mineralogy

IS253	PNINS	Ella Wingfield-Smith	Erosion
--------------	-------	----------------------	---------

[Massey University, Institute of Fundamental Sciences - Biology Prize](#)

For the best exhibit relating to the understanding of biology

Highly Commended:

SS353	Awatapu College	Georgia Lunn	Cry Me A River
--------------	-----------------	--------------	----------------

First Place:

IS200	PNINS	Charlotte Orme	Tō Ngāhere Tō Whare Rongoā
--------------	-------	----------------	----------------------------

[Massey University, Institute of Fundamental Sciences – Chemistry Prize](#)

For the best exhibit involving chemistry

Chemistry Prize:

IS209	PNINS	Hazel Gregg	Zara Isles	Apple's sweetside
-------	-------	-------------	------------	-------------------

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

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

Physics and Biophysics Highly Commended:

PS102	Russell Street School	Peyton Hardy	Floatatious
IS204	PNINS	Jesse Franks	Aerodynamics and turbulence

Physics & Biophysics First Prize:

SS362	Freyberg High School	Joseph Chamberlain	The Mystery of W.A.S.P. 17B
-------	----------------------	--------------------	-----------------------------

[Massey University, Institute of Fundamental Sciences - Statistics Prize](#)

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

Highly Commended:

IS233	Cornerstone Christian School	Edrei Samuel	Judah Pereka	Shall we Fidget?
-------	---------------------------------	--------------	--------------	------------------

Statistics First Prize:

SS357	PNGHS	Jessica Goodman	Lichen this light
-------	-------	-----------------	-------------------

[Statistics NZ and NZ Statistical Association Prize](#)

For the best projects involving statistics

Statistics 2nd Place:

PS100	Cornerstone Christian School	Room D5	A pain of a stain
-------	---------------------------------	---------	-------------------

Statistics 1st Place:

IS215	PNINS	Zlata Shapran	Onion Hydroponics
-------	-------	---------------	-------------------

[Massey University, School of Agriculture and Environment - Ecology Group Prizes](#)

For the best exhibit promoting conservation and native biodiversity to:

IS225	PNINS	Esther Steer	Bait expectations
-------	-------	--------------	-------------------

For the best exhibit promoting New Zealand ecology to:

SS357	PNGHS	Jessica Goodman	Lichen this light
-------	-------	-----------------	-------------------

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

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

Intermediate:

IS253	PNINS	Ella Wingfield-Smith	Erosion
-------	-------	----------------------	---------

Secondary:

SS353	Awatapu College	Georgia Lunn	Cry Me A River
-------	-----------------	--------------	----------------

[Massey University, School of Engineering and Advanced Technology \(SEAT\) Prizes](#)

For an outstanding exhibit demonstrating engineering principles.

Third:

IT325	Cornerstone Christian School	Hamish Couperus	Vibra Vest
-------	------------------------------	-----------------	------------

Second:

IT334	Monrad Intermediate	Jamie Rea	Echo-Location
-------	---------------------	-----------	---------------

First

IT308	PNINS	Ruby Mainwaring	Get a grip
-------	-------	-----------------	------------

[Massey University School of Engineering and Advanced Technology \(SEAT\)](#)

For an outstanding exhibit demonstrating chemical and bioprocessing.

Highly Commended:

IS206	PNINS	Emma Mudford		Poo2Power
ST375	PNGHS	Juliet Fakahau	Emily Vickerman	Desalinator: Take #2
IT313	PNINS	Anais Thompson		Solar deflector jacket
IT327	Cornerstone Christian School	Jessica Beere		Bread Tag

First:

ST377	Awatapu College	Sean MacDonald-Hill	Chin Up
-------	-----------------	---------------------	---------

[Massey University Internship](#)

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

Internship:

IS231	PNINS	Annabelle Paddison			Annie's water wheel
IS214	PNINS	Aami Sahana	Sasha Mikhyeyeva	Madison Ihl	Boomtastic black holes
PS102	Russell Street School	Peyton Hardy			Floatatious
PS106	Carncot School	Allie Booth	Sophie Kirkwood	Ashleigh van Rynbach	Sparkling Clean
IS254	PNINS	Georgia Packer	Ashlee Purves		Invisible

[The Massey University Sustainable Prize](#)

for the project that shows future forward thinking to help sustain our environment

PS101	Russell Street School	Room 8	Wrap it up for the planet
IT331	PNINS	Wilson Hannon	Exploring solutions for palmy plastic litter

[MSTF Approval prize](#)

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

IS200	PNINS	Charlotte Orme	Tō Ngāhere Tō Whare Rongoā
-------	-------	----------------	----------------------------

[New Zealand Institute of Agricultural and Horticultural Science Prizes](#)

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

(1) Agricultural Science, (2) Horticulture, (3) Animal Science and (4) Soil Science

(1) Agriculture:

IS215	PNINS	Zlata Shapran	Onion Hydroponics
--------------	-------	---------------	-------------------

(2) Horticulture:

IS251	Cornerstone Christian School	Gabriel Taylor-MacLean	Have You Been Listening? The Power of Words
--------------	------------------------------	------------------------	---

(3) Animal Science:

IS206	PNINS	Emma Mudford	Poo2Power
-------	-------	--------------	-----------

(4) Soil Science:

DDST504	Ross Intermediate	Linn Herzig	Super Soil
---------	-------------------	-------------	------------

[New Zealand Microbiological Society \(Mike Baxter Prize\)](#)

This is a prize for the best microbiology project.

IS200	PNINS	Charlotte Orme	Tō Ngāhere Tō Whare Rongoā
-------	-------	----------------	----------------------------

[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:

IS229	Ross Intermediate	Krissie Bearsley	Gluten free
IS241	Cornerstone Christian School	Jiyeon Hahm	The Sweet, Sour and Salty effect on Rice

Runner Up:

PS101	Russell Street School	Room 8	Wrap it up for the planet
-------	-----------------------	--------	---------------------------

Best Exhibit:

SS367	PNBHS	Finn Martin	Junius Ong	Vitafresh Hot or not
-------	-------	-------------	------------	----------------------

[New Zealand Baking Industry Research Trust Prizes](#)

For the best use of flour or bakery products in food related projects.

Runner up:

DDST503	PNINS	Rebecca Golding	Sugar rush
---------	-------	-----------------	------------

First Place:

IS219	PNINS	Stephanie Stewart	Reduce food waste
-------	-------	-------------------	-------------------

[The Science Centre Inc. Prize](#)

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

Second place:

IT334	Monrad Intermediate	Jamie Rea	Echo-Location
-------	---------------------	-----------	---------------

First place:

IS231	PNINS	Annabelle Paddison	Annie's water wheel
-------	-------	--------------------	---------------------

[New Zealand Institute of Chemistry prize](#)

For the best exhibit relating to chemical principles

Highly Commended:

SS364	PNBHS	Christopher Dewhurst	Ricing to the challenge
-------	-------	----------------------	-------------------------

First place:

SS367	PNBHS	Finn Martin	Junius Ong	Vitafresh Hot or not
-------	-------	-------------	------------	----------------------

[S+ART](#)

The S+ART Art Installation Prize is for a 3 dimensional artwork that celebrates, recognises and tells a story about the intersection between art and science.

Primary

Danika Woodrooffe, Peyton Hardy, Libby Sloan and Noah Rives - Russell Street School

Intermediate

Michaela Reid - Cornerstone Christian School
--

Secondary

Devon Snedden - Cornerstone Christian School
--

Science Award Trust Prizes

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

DDIS502	PNINS		C J Reid		Gluten free scones
IS203	Whakarongo School		Axis Simon	Steve Jiji Kyson Davenport	Microfibres
IS232	Carncot School		Madeleine Hehir		Purrfect Litter.
IS245	Carncot School		Amy Macpherson		Developing Eye Sight.
IT302	PNINS		April Holman		Mission inpawsible
IT317	PNINS		Sophie Ward		Winter warmer
IT325	Ross Intermediate		Kayleigh Greig		A kid's kit
IT327	Cornerstone Christian School		Jessica Beere		Bread Tag
IS214	PNINS	Aami Sahana	Sasha Mikhyeyeva	Madison Ihenfeldt	Boomtastic black holes
IT335	PNINS		Hudson Aish	Luke Atienza	Send it right

UCOL Faculty of Health and Sciences prizes

UCOL Laboratory prize for the best laboratory techniques demonstrated.

IS200	Charlotte Orme	PNINS	Tō Ngāhere Tō Whare Rongoā
--------------	----------------	-------	----------------------------

UCOL Graphics prize for the best graphical display of results.

IS260	Phoenix Harvie	Linton	Water Kefir Fermentation
--------------	----------------	--------	--------------------------

UCOL Vet Nursing- Animal Care prize for the best project involving care of animals.

IT313	Anais Thompson	PNINS	Solar deflector jacket
--------------	----------------	-------	------------------------

UCOL Vet Nursing - Animal Behaviour / Physiology / Anatomy Prize for the best project involving animal behaviour, physiology or anatomy.

IT302	April Holman	PNINS	Mission impawsible
--------------	--------------	-------	--------------------

UCOL Best Health prize for the best project involving health.

IS221	Abbie Taylor	PNINS	Is it all lies?
--------------	--------------	-------	-----------------

UCOL Best Science prize for the best project for applying science to everyday life.

PS109	Finn Bennett	Whakarongo School	Measuring Meteor Mayhem
-------	--------------	-------------------	-------------------------

UCOL Faculty of Engineering and Applied Technology Prizes

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

IS231	Annabelle Paddison	PNINS	Annie's water wheel
--------------	--------------------	-------	---------------------

UCOL Faculty of Engineering and Applied Technology - Electrical prize for the best electrical project.

IT317	Sophie Ward	PNINS	Winter warmer
--------------	-------------	-------	---------------

UCOL Faculty of Engineering and Applied Technology - Automotive/Propulsion prize for the best automotive/propulsion project.

PS114	Lucas MacDonald	Bunnythorpe School	Aerodynamics
--------------	-----------------	--------------------	--------------

UCOL Faculty of Engineering and Applied Technology - Innovative prize for the best project innovative project.

IT309	Teise Teumohenga	PNINS	My wonderful windbreak
--------------	------------------	-------	------------------------

UCOL Faculty of Engineering and Applied Technology - Metal Construction prize for the best project involving metal construction.

IS243	Alana Smith	Carncot School	Improving post surgical welfare using the "bowlevator".
--------------	-------------	----------------	---

UCOL Faculty of Engineering and Applied Technology - Hair and Beauty prize for the project involving hair and beauty.

IT300	Ayja Taylor	PNINS	Essential Potential
--------------	-------------	-------	---------------------

[UCOL Faculty of Humanities and Business Prizes](#)

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

IS232	Madeleine Hehir	Carncot School	Purrfect Litter.
IT332	Joel Woodmass	Cornerstone Christian School	Bridge in a Bag
IT329	Hamish Couperus	Cornerstone Christian School	Vibra Vest

UCOL Faculty of Humanities and Business Prize for ICT Innovation for the best use of emerging technology x2

DDIT501	Eugene Wu	St Peters College	Jarrus
IT334	Jamie Rea	Monrad Intermediate	Echo-Location

UCOL Faculty of Humanities and Business Prize for Business Potential for the best business innovation project

IT308	Ruby Mainwaring	PNINS	Get a grip
--------------	-----------------	-------	------------

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

For an investigation relating to Soil Biota

IS210	Lilly Rooney	PNINS	Waste Embraced
--------------	--------------	-------	----------------

[Langley Memorial Prize – in memory of Keryn and Callum](#)

For creativity, passion and commitment in Science or Technology.

IT329	Hamish Couperus	Cornerstone Christian School	Vibra Vest
--------------	-----------------	------------------------------	------------

[Mina McKenzie Indigenous Science Prize](#)

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

IT309	Teise Teumohenga	PNINS	My wonderful windbreak
--------------	------------------	-------	------------------------

[Tāhuri Whenua - National Māori Horticulture Collective](#)

For the best Kaupapa projects.

IS248	Emma Miers	Telaina Fa'aea	Ross Intermediate School	Most sugar or least?
--------------	------------	----------------	--------------------------	----------------------

[Te Reo Māori me te Pūtaiao Prize - Māori Womens' Welfare League Ikaroa branch - Rangitaane o Manawatū.](#)

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

IS258	Kellan Galloway	Bunnythorpe School	Close Up
--------------	-----------------	--------------------	----------

[Vaka Science Excellence Awards – Ministry for Pacific Peoples](#)

Science (Biology & Chemistry) Prize Winner

IS248	Emma Miers	Telaina Fa'aea	Ross Intermediate School	Most sugar or least?
--------------	------------	----------------	--------------------------	----------------------

Engineering (Physics & Maths) Runner up

IT335	Hudson Aish	Luke Atienza	PNINS	Send it right
--------------	-------------	--------------	-------	---------------

Engineering (Physics & Maths) First place

ST375	Juliet Fakahau, Emily Vickerman	PNGHS	Desalinator: Take #2
--------------	---------------------------------	-------	----------------------

Technology (Applied Science) -Prize Winners

IS203	Axis Simon, Steve Jiji, Kyson Davenport	Whakarongo School	Microfibres
IT309	Teise Teumohenga	PNINS	My wonderful windbreak

Environmental Science Prize Winners

SS359	Celestial Brown, Rhema Brown	PNGHS	Rock my Island
--------------	------------------------------	-------	----------------

Vaka Primary Science

PS100	Room D5	Cornerstone Christian School	A pain of a stain
--------------	---------	------------------------------	-------------------

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.

IS200	Charlotte Orme	PNINS	Tō Ngāhere Tō Whare Rongoā
IT307	Lucy McLean	PNINS	The last plastic straw
SS362	Joseph Chamberlain	Freyberg High School	The Mystery of WASP 17B

DairyNZ Prizes

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

High Distinction

IS226	Jake Rayner	PNINS	Effects of soil pH on grass growth
IS239	Olivia McIntyre	Cornerstone Christian School	Grow Grass Grow

2nd Place

IS206	Emma Mudford	PNINS	Poo2Power
--------------	--------------	-------	-----------

1st Prize

SS351	Jeph Hawe	Nga Tawa Diocesan School	Can Manuka save our rivers?
--------------	-----------	--------------------------	-----------------------------