



PARTICIPATING SCHOOLS

Alfriston College
Alfriston School
Aorere College
Buckland's Beach Intermediate School
Drury School
Elim Christian College
Farm Cove Intermediate School
Howick College
Howick Intermediate School
Manurewa High School
Mission Heights Junior College
Otahuhu Intermediate School
Papatoetoe High School
Pukekohe High School
Pukekohe Intermediate School
Rosehill Intermediate School
Saint Kentigern College
Sancta Maria College
Somerville Intermediate School
Tyndale Park Christian School
Waiuku College



CONVENOR'S REPORT

It has been an honour to be part of the MIT Manukau City Science and Technology Fair 2012 rewarding the work achieved by our young people in science and technology. The fair received 207 entries from 20 schools across the Manukau and Counties regions, which proves that science and technology are being fostered by the schools, their families and wider community. We celebrate the excellence and innovation in the winning projects at this prize giving today.

For many students the fair provided an opportunity to explore areas of interest which are authentic and have significance in today's society. These emerging scientists are developing frameworks for research which they can use in vocations later in life. The fair has helped them secure a variety of prizes, and serves as a boost for applications for places in restricted areas of study at tertiary institutions.

The committee and judges were highly impressed with the standards of scientific thinking and authentic applications of their investigations and by the high standard of presentation, ingenuity and innovative nature of the investigations. Each exhibit reflected weeks of data collection, experimentation, analysis and presentation work by students, who have gone beyond expectations. We are also very proud of our Realize the Dream 2011 winner, Amy van de Weg.

The MIT Manukau City Science and Technology Fair 2012 has been the work of many teams of people. We are delighted with the businesses and organizations that supported our students through their sponsorship of the category and special prizes, some over a long period of years. We also welcome the new sponsors who have joined our team. Partnerships such as these have enabled us to maintain the positive status of science and technology for the past eighteen years. We give a special reference to our major sponsor the Manukau Institute of Technology, and to John Bell who has developed our business relationships. We thank them for their continued support and willingness to invest in our youth.

We wish to heartily thank the men and woman who are recognised specialists in their fields and judged the projects. The quality of the outcomes has been attributed to the high professional knowledge that the judges possess.

We thank also the other teams have given their time and expertise to make this fair successful: the committee members who have worked tirelessly throughout the year, those who helped with behind the scenes, and the Kiwanis Club of Papatoetoe. We also thank Mission Heights Junior College for their support and venue this year.

Finally a special thanks to the parents, teachers and families of the exhibitors for the support that they have given their children. The impact of this support is highly visible in the quality and depth of the projects. Seeing the work accumulated in the hall makes the work of everyone worthwhile. It shows us that our youth of today have potential and skills which are infinite, and worthy to represent the science and technology fields for New Zealand in the future.

Marilyn Roberts
Science Fair Convenor



GENESIS ENERGY REALISE THE DREAM

8 – 15 DECEMBER 2012

Realise the Dream is a prestigious national event which rewards and celebrates 20 secondary school students who have undertaken a remarkable piece of science research, technology or electronics project.

Students are required to be nominated by the regional science and technology Chief Judge and then the nomination is sent to the Realise the Dream selection panel whereby all nominations undergo a rigorous judging process.

Students who are selected for Realise the Dream are awarded an all expenses paid trip to attend the event. Realise the Dream starts in Auckland on 8 December and then travels down through the North Island finishing in Wellington where an awards function will take place. There are some huge prizes that are announced at the awards evening which include cash scholarships and international travel.

The trip will involve visits to cutting edge science institutions where they will be hosted by organizations such as the Leigh Marine Centre, the Liggins Institute, Dairy NZ, Massey University and NIWA. The students will also be involved in various team building challenges and social events.

The Royal Society is indeed grateful of the support of Genesis Energy (the principal sponsor) and DairyNZ and the New Zealand Commission for UNESCO who also sponsor the event. The Royal Society would also like to thank the many science organizations who host the students and prepare workshops for them during the week.

"I enjoyed Realise the Dream 2011. It definitely broadened my view on science. Seeing that I intend to study science at university in 2012, the activities and institutes that we visited gave an amazing insight and enlightened me about the diverse areas of science. I never realised the range of career options available in science. The friends I made from this event was definitely a highlight - friends that share the common love of science. I think the variety of team-building experiences we undertook were really important, especially seeing science is a team orientated field. I learnt so much and experienced so many unique opportunities". **Charlotte Robertson – 2011 participant**

More information about Realise the Dream can be found at www.realisedream.org.nz

The Royal Society of New Zealand is the independent national academy of science and technology. The Society believes that science and technology education is crucial if New Zealand is to improve its social, environmental and economic future. To support these goals we are involved in a variety of initiatives.

This is a key initiative of the Royal Society designed to raise the profile of science teaching and learning in our primary schools. The Society will act as a catalyst to encourage, coordinate and promote activities to support effective learning for students.

Alpha series

Information leaflets designed to support the learning of science, mathematics and technology in the national curriculum

BAYERboost scholarships

For senior secondary school and undergraduate tertiary students to get experience in environmental research or restoration.

BP Challenge

Team events challenging students to design and develop 'solutions' to problems using easily resourced materials

CREST

An international awards scheme designed to encourage Year 6 plus students to be innovative, creative and to problem solve in science, technology and environmental studies through inquiry and investigation. Primary Science CREST now available.

Education Links

List of (hyperlinked) organisations who provide free online resources for teachers of science in New Zealand schools.

Environmental Monitoring and Action Project

Brings schools, local authorities, research institutions and others together to allow students to carry out monitoring of their local region in an environmental education context

Gamma series

"Discussion papers" based on current issues that emerge in the media and become part of public debate.

Helix and Scientrific Magazines

Fun science and technology magazines for Year 3-Year 8+ students.

Manhire Prize for Creative Science Writing

A creative science writing competition with non-fiction and fiction categories

Primary Science Teacher Fellowships

Open to Primary teachers with an interest in leadership in science

Realise the Dream

A five-day event which celebrates, rewards, challenges and showcases the work of extra-ordinary school students from all over New Zealand who have achieved excellence in research, and technological practice.

Reel Science

Reel Science Film Festival is a competition for New Zealand students in Yr 11 - Yr 13 to make a 2 minute film on anything to do with science. The competition evolved from Big Science Adventures.

RSNZ newsletters and notifications for teachers e.g. Heads Up

Science School Scholarships

The Royal Society of New Zealand administers several science school programmes, which provide an opportunity for secondary students to take part in research projects, participate in forums and visit international science fairs.

Awarded Teacher Fellowships

Providing teachers with new experiences and understanding outside the classroom that will enable them to become more effective educators.

Sharing the Learning

A series of professional development workshops for teachers by past Teacher Fellows.

Student Showcase

Showcasing some of what the Royal Society's Young Achievers.

For further information on these and any of our education programmes visit our website www.royalsociety.org.nz





PREMIER AWARD WINNER – 2011

Amy van de Weg – Manurewa High School

“Discovery consists of seeing what everybody has seen and thinking what nobody has thought.” - Albert Szent-Györgyi, a Hungarian scientist credited with the discovery of vitamin C.

Discovery is at the heart of science. All saw the apple fall from the tree, but Newton was the first to think... well actually... why is this happening? It is the inquisitive minds like his...like yours... that will lead the world in challenging what we have come to accept as the norm.

We are all gathered here this evening to celebrate the scientific achievements of the students in our community. Whether it is your first time here today or your last, it signifies the fact that you have made a contribution to science. We all congratulate you.

To the parents, and teachers here supporting the students here this evening, thank you.

From my own experiences I know how vital a role you play. From questioning the student to help form an idea all the way through to the frantic assembly of the display board on the morning of entry, you are there for them.

Last year, I was sitting where you were. After many flopped plans, I finally found something that I could test. My project was to measure the bisulfite levels in wine and to see if the bisulfite ion in the wine has an impact on dietary thiamine levels. Sounds... “interesting” right? It is probably not your cup of tea.

That is the great thing about science though; it is not always about the big whizzy bang discoveries. It can simply be an investigation into things that are relative to you as a person. Having had allergies to sulfur as a child, the presence of these ions and other sulfur containing compounds in food and drink that I consume on a regular basis was very interesting to me. From this project I found which wine had the most and least amount of the bisulfite ion and that no, it did not have an effect on the amount of dietary thiamine in the body while in your body.

Science has given me amazing opportunities from finding my passion, directing me in my studies and even a trip overseas. Last year, I was lucky enough to be selected to attend YANZAAS in Brisbane. Over there, around 60 people from around Australia and New Zealand gathered together for the love of science and explored where it could take us by observing research and postgrad work at various institutes. We all still keep in contact to this day.

In closing, I wish you all the best in your future endeavours and will leave you with this from Albert Einstein: *“I believe in intuition and inspiration. Imagination is more important than knowledge. For knowledge is limited, whereas imagination embraces the entire world, stimulating progress, giving birth to evolution. It is, strictly speaking, a real factor in scientific research.”*

Amy van de Weg



Prize Giving Programme

Wednesday, 15 August 2012

Masters of Ceremonies

Carin Newbould
George Stephens, Senior Fire Risk Officer, Manager
Strategic Partnerships, NZ Fire Service

Welcome

Joan Middlemiss, Principal, Mission Heights Junior
College

Convenor's Address

Marilyn Roberts

Guest Speaker

Amy van de Weg
Premier Award Winner 2011

Presentation of Category Prizes

- 1. Years 7 & 8
Living World**
Wellington Wai Shing, Managing Director
On behalf of Wai Shing Ltd
- 2. Years 7 & 8 – Physical &
Material World**
Neil Allan, Past President
On behalf of the Kiwanis Club of Waiau Pa-Clarks Beach
- 3. Years 7 & 8 - Environmental
Science/Planet Earth and Beyond**
Joan Ransom, Past President
On behalf the Kiwanis Club of Manukau
- 4. Years 7 & 8
Intermediate Consumer Science**
Dean Tohill, President
On behalf of the Shamrock Kiwanis Club
- 5. Years 7,8,9 & 10
Technology/Innovations**
Jacqui Davidson, Administration Manager
On behalf of the K P Group Ltd
- 6. Years 9 & 10
Living World**
Robyn Mekkelholt
On behalf of Gunac/GME Ltd
- 7. Years 9 & 10
Physical World**
Bruce Cooper, Principal Mechanical Engineer
On behalf of NZ Steel Ltd
- 8. Years 9 & 10
Material World**
Trevor Biddle, President
On behalf of the Kiwanis Club of Papatoetoe



**9. Years 9 & 10 – Environmental
Science/Planet Earth & Beyond**

Aaron Jones, Manager
On behalf of BNZ Manukau

**10. Years 9 - 13
Secondary Consumer Science**

Edna May Wood, President
On behalf of the Kiwanis Clubs of Drury &
Papakura

**11. Years 11,12, & 13
Senior Science**

Bill Barwood, Industry Education Facilitator
On behalf of DairyNZ

Musical item presented by Mission Heights Junior College

Presentation of Special Prizes

**Prize for Best Year 7 Innovation
Invention or Investigation**

Graeme McClennan
Manager Schools and Community
On behalf of Manukau Institute of Technology

**Prize for Best Year 8 Innovation
Invention or Investigation**

Graeme McClennan
On behalf of Manukau Institute of Technology

**Prize for Best Year 9 Innovation
Invention or Investigation**

Graeme McClennan
On behalf of Manukau Institute of Technology

**Prize for Best Year 10 Innovation
Invention or Investigation**

Graeme McClennan
On behalf of Manukau Institute of Technology

**Prize for best year 11 Innovation
Invention or Investigation**

Graeme McClennan
On behalf of Manukau Institute of Technology

**Prize for Best Year 12 Innovation
Invention or Investigation**

Graeme McClennan
On behalf of Manukau Institute of Technology

**Prize for Best Year 13 Innovation
Invention or Investigation**

Graeme McClennan
On behalf of Manukau Institute of Technology

IET Innovation Awards

Yan Liu
On behalf of the Institution of Engineering and
Technology

DairyNZ Awards

Bill Barwood
On behalf of DairyNZ



Best Use of Statistics Awards	<i>Gary Troup</i> On behalf of the NZ Statistical Association
Earth Science Award	<i>Gary Troup</i> On behalf of the Australasian Institute of Mining & Metallurgy (New Zealand Branch)
Best Use of Flour Awards	<i>Marilyn Roberts</i> On behalf of the Baking Industry Research Trust
Best Soil Related Project Award	<i>Marilyn Roberts</i> On behalf of the NZ Society for Soil Science
Student Encouragement Award	<i>Katie Beeson, Divisional Manager, Botany Youth Division</i> On behalf of The Order of St John, Manukau Area Committee
Environment Award	<i>Katie Beeson</i> On behalf of The Order of St John, Manukau Area Committee
University of Otago Award	<i>Xenia Bilton</i> On behalf of the University of Otago
Best Project by a Maori Student	<i>Graeme McClennan</i> On behalf of Manukau Institute of Technology
Best Project by a Pacific Student	<i>Graeme McClennan</i> On behalf of Manukau Institute of Technology
Award for Best Application of Electronics	<i>Graeme McClennan</i> On behalf of Manukau Institute of Technology
New Zealand Heritage Award	<i>Graeme McClennan</i> On behalf of Manukau Institute of Technology
Eric Clague Kiwanis Award	<i>Bette Eavestaff, Lt Gov, Division 10, NZ South Pacific District of Kiwanis International</i> On behalf of Kiwanis Clubs of Counties Manukau
Presentation of the Premier Award	
Premier Award for Best Exhibit of the Fair	<i>Graeme McClennan</i> On behalf of Manukau Institute of Technology
Concluding Address	<i>Dr Stuart Middleton, Director External Relations</i>



On behalf of Manukau Institute of Technology



Category Awards

Category 1 - Years 7 & 8 Living World
Sponsor: Wai Shing Ltd

FIRST PLACE
Ishani Mathur
The Greasy Facts
Somerville Intermediate School

SECOND PLACE
Josh Ellwood
Don't Make Me Angry
Somerville Intermediate School

THIRD PLACE
Aimee Mackenzie
Striding Around
Somerville Intermediate School

HIGHLY COMMENDED
Anna Farrell
A Natural Answer to a Natural Disaster
Somerville Intermediate School

Yashmeeta Govind
Test Your Brain
Somerville Intermediate School

Niraant Trilokekar
Feeling Hot, Hot, Hot
Howick Intermediate School

Category 2 - Years 7 & 8 Physical and
Material World
Sponsor: Kiwanis Club of Waiau Pa-Clarks
Beach

FIRST PLACE
Dylan Townsend
Oil Disaster Clean up Faster
Mission Heights Junior College

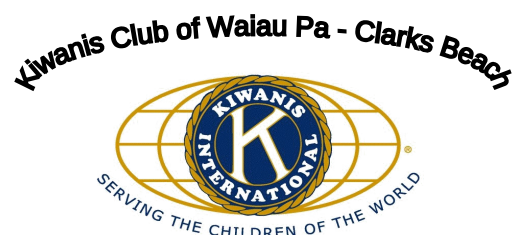
SECOND PLACE
Matthew Stevens
Double or Nothing
Pukekohe Intermediate School

THIRD PLACE
Oliver Kerr
Papyrus vs Paper
Bucklands Beach Intermediate School

HIGHLY COMMENDED
Thomas MacPherson
Angle of the Dangle
Saint Kentigern College

Flynn Palmer
Bridge
Bucklands Beach Intermediate School

Michael Purcell
How Much Weight can Water Take?
Bucklands Beach Intermediate School





Category Awards

Category 3 – Years 7 & 8
Environmental Science/Planet Earth &
Beyond
Sponsored by the Kiwanis Club of Manukau

FIRST PLACE
Kendall Mead
Shocking Growth
Drury School

SECOND PLACE
Emily Briggs
A Fracking Dilemma
Bucklands Beach Intermediate School

THIRD PLACE
Braden Du Plessis
Super Sorbents
Somerville Intermediate School

HIGHLY COMMENDED
Cameron Hooper
Desalination
Pukekohe Intermediate School

Brandon Kirkness
Ocean Doomed
Pukekohe Intermediate School

Ashmita Mirajkar
Target Earth
Bucklands Beach Intermediate School

Category 4 – Years 7 & 8
Intermediate Consumer Science
Sponsored by the Shamrock Kiwanis Club

FIRST PLACE
Alexandra Page
Plastic Bag Weigh-in
Somerville Intermediate School

SECOND PLACE
Matt Boulger
Campbell Crawford
Xavier Waters
It's Batastic
Rosehill Intermediate School

THIRD PLACE
Zara Iqbal
Effectiveness of Common Household Cleaners
Somerville Intermediate School

HIGHLY COMMENDED
Namisha Chand
Everlasting Life
Howick Intermediate School

Aaron Mack
You Get What You Pay For!
FarmCove Intermediate School

Benjamin Mason
What Type of Battery Lasts the Longest?
Alfriston School





Category Awards

Category 5 – Years 7 - 10
Technology Innovations
Sponsored by KP Group Ltd

FIRST PLACE
Dylan Turner
Wireless Electricity
Howick College

SECOND PLACE
Sebastian Jones
Feline Fun
Somerville Intermediate School

THIRD PLACE
David Lin
Power Laces
Howick College

HIGHLY COMMENDED
Nick Lang
Ramneek Sandhu
Luke Trotter
Suncatcher
Mission Heights Junior College

Samuel Malan
Samuel Patel
Solar Ralos
Elim Christian College

Shasa Evaroa
Brendon Te Kanawa
Suckit Socket
Waiuku College

Category 6 – Years 9 & 10
Living World
Sponsored by Gunac South Auckland GME Ltd

FIRST PLACE
Georgia Moore
Rainbow Reaction
Alfriston College

SECOND PLACE
Lindsay van Ryn
Sugar Rush
Elim Christian College

THIRD PLACE
Elaine Ryan
Smok'n Stomata
Howick College

HIGHLY COMMENDED
Swashna Lal
Asha Shashikumar
Pick Me Up in 5?
Mission Heights Junior College

Isabel Chen
Photosynthesis of Spinach
Elim Christian College

Jessa Ilano
Louise Kim
Nishalia Maharaj
Curdle Me Maybe
Mission Heights Junior College





Category Awards

Category 7 – Years 9 & 10
Physical World
Sponsored by NZ Steel Ltd

FIRST PLACE
Samuel Vivian
Ready Aim Fire!
Tyndale Christian School

SECOND PLACE
Anne Phan
High Heel Hazards
Alfriston College

THIRD PLACE
Jeremy Thompson
Propellers with a Twist
Howick College

HIGHLY COMMENDED
Cedric Wiremu
The Physics of Maurakau
Manurewa High School

Category 8 – Years 9 & 10
Material World
Sponsored by the Kiwanis Club of Papatoetoe

FIRST PLACE
Simone Kritzinger
Victoria Pickett
Water Strider
Howick College



Kiwanis Club of Papatoetoe





Category Awards

Category 9 – Years 9 & 10
Environmental Science/Planet
Earth & Beyond
Sponsored by
BNZ Manukau Banking Centre

FIRST PLACE
Shahil Lal
Harish Narasimhan
Brodie Waugh
Green Machine
Mission Heights Junior College

SECOND PLACE
Victor Barnes
Win'Force
Tyndale Park Christian School

THIRD PLACE
Prina Mistry
Oil Spills Oil Kills
Mission Heights Junior College

Category 10 – Years 9 -13
Secondary Consumer Science
Sponsored by the Kiwanis Clubs of Drury &
Papakura

FIRST PLACE
Garling Wu
Grease or Gold
Manurewa High School

SECOND PLACE
Rosie Graham
Chloe Wang
Piece 'A' Cake
Elim Christian College

THIRD PLACE
Anmol Sandhu
Mighty Milk
Mission Heights Junior College

HIGHLY COMMENDED
Tryphaena Kumar
Kamut – King of Flours?
Manurewa High School

Paul Stainthorpe
Hydration Salvation
Manurewa High School

Jessica Stewart
Metallic Munchies
Elim Christian College





Category Awards

Category 11 – Years 11,12 & 13
Senior Science
Sponsored by Dairy NZ

FIRST PLACE
Lewis Powell
Resistant Worms
Pukekohe High School

SECOND PLACE
Aaron Boot
Vitamin C of Tropical Fruit
Pukekohe High School

THIRD PLACE
Jaspreet Singh
Assessing Antioxidant Activity
Manurewa High School

HIGHLY COMMENDED
Anton Good
Develop a Steam Powered Lawn Mower
Pukekohe High School

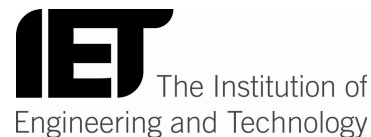
Ryan Matheson
Petrol Octane Ratings: What's the Difference?
Pukekohe High School

Additional Awards

IET Innovation Award
Sponsored by
The Institution of Engineering and Technology
Young Professionals Auckland Branch

SENIOR AWARD
Anton Good
Develop a Steam Powered Lawn Mower
Pukekohe High School

JUNIOR AWARD
Sebastian Jones
Feline Fun
Somerville Intermediate School



DairyNZ Award
Sponsored by Dairy NZ

FIRST PLACE
Lewis Powell
Resistant Worms
Pukekohe High School

SECOND PLACE
Mikayla Chetty
Is it Healthy?
Mission Heights Junior College





Additional Awards

Best Use of Statistics Award

Sponsored by
The New Zealand Statistical Association

Bhav Bhatia
Big Head, Small Head
Somerville Intermediate School



Earth Science Award

Sponsored by the Australasian Institute of Mining
& Metallurgy (New Zealand Branch)

Rhys Jones
The Effect of Common Human Stimulants on Plant Growth
Pukekohe High School



Best Project Using Flour

Sponsored by the Baking Industry Research Trust

First Place
Sabrina Snoad
To be Gluten Free or Not to be?
Somerville Intermediate School

Second Place
Rosie Graham
Chloe Wang
Piece 'A' Cake
Elim Christian College



Best Soil Related Project

Sponsored by the
New Zealand Society for Soil Science

Jack Boulton
Detecting Soil Moisture
Pukekohe High School



Student Encouragement Award

Sponsored by
The Order of St John, Manukau Area Committee

Nyasha Mushunje
Chontelle Vaevae
Save Our Streams
Mission Heights Junior College





Special Prizes

Prize for Best Year 7 Innovation, Invention or Investigation
Sponsored by Manukau Institute of Technology

Prize for Best Year 8 Innovation, Invention or Investigation
Sponsored by Manukau Institute of Technology

Prize for Best Year 9 Innovation, Invention or Investigation
Sponsored by Manukau Institute of Technology

Prize for Best Year 10 Innovation, Invention or Investigation
Sponsored by Manukau Institute of Technology

Prize for Best Year 11 Innovation, Invention or Investigation
Sponsored by Manukau Institute of Technology

Prize for Best Year 12 Innovation, Invention or Investigation
Sponsored by Manukau Institute of Technology

Prize for Best Year 13 Innovation, Invention or Investigation
Sponsored by Manukau Institute of Technology

The Environment Award
Sponsored by The Order of St John, Manukau Area Committee

University of Otago – Hands on Science Award
Sponsored by University of Otago

Best Project by a Maori Student
Sponsored by Manukau Institute of Technology

Best Project by a Pacifica Student
Sponsored by Manukau Institute of Technology

Award for the Best Application of Electronics
Sponsored by Manukau Institute of Technology

The New Zealand Heritage Award
Sponsored by Manukau Institute of Technology

The Eric Clague Kiwanis Award
Sponsored by Kiwanis Clubs of Counties Manukau

Premier Award for Best Exhibit of the Fair
Sponsored by Manukau Institute of Technology



THE ORDER OF ST JOHN

UNIVERSITY
of
OTAGO



Te Whare Wānanga o Ōtago





With Special Thanks to

The team of judges are recognised specialists in their fields. They have been drawn out of a wide spectrum of professional areas: schools, universities, technology institutes and engineering.

Chief Judge

Marilyn Roberts

Assistant Chief Judges

Sally Barclay
Benson Chen
Carol Duffield
Chris Milham

Judges

Sophia Aataya
Bill Barwood
Viljay Bhagwandin
Xenia Bilton
Tyson Cabral
Alaster Caine
Herve Carpentier
Alex Cashen
Andrew Chalmers
Fabian Champion
Marie Choureemootoo
John Cook
Owen Colbert

Dion Cowley
John Duncan
Lyn Dunbar
Yan Fong
Sharon Graham
Gaurav Gujral
David Haines
Bob Howard
Christine Howard
Deepa Jain
Kamrul Jalil
Yan Liu
Peijing Li

Bree Mitchell
Stuart Palmer
Isuru Pathirana
Shane Pinder
Bob Reay
Eleanor Reay
Matthew Richardson
Charlotte Robertson
Jessica Ross
Stephen Tredwell
Charles Tsui
Sachini Yapa

Science Fair Committee

Convenor

Secretary

Treasurer/Sponsorship Convenor

Judging Convenor

Webmaster

Prize giving

Marilyn Roberts

Liz Palmer

John Bell

Marilyn Roberts

Chris Milham

Liz Palmer, Beryl McKinnell & John Bell

And the many other science teachers who have attended committee meetings throughout the year.

Special thanks to the Mission Heights Junior College for hosting the MIT Manukau Science Fair and to Assistant Principal, Melanie Kindley, and IT specialist Ben Doughney, for their invaluable assistance; and to Manurewa High School Science Technician, Heather Wilson, for her ongoing support of the fair; and to those schools that grant leave to their science teachers and technicians to assist with the running of the Science Fair.

Website: www.sciencefairmanukau.org.nz

