



**Victorian Maths Talent Quest 2018**

**National Mathematics Talent Quest 2018**

**Awards Ceremony**  
Thursday 18<sup>th</sup> October  
Union Hall, La Trobe University, Bundoora

**Major Sponsor**



## **BACKGROUND**

The Maths Talent Quest (MTQ) is an important component of the student activities program within The Mathematical Association of Victoria (MAV) that promotes mathematics across the curriculum and provides students with an opportunity to apply their knowledge of mathematics to a diverse range of topics. The MTQ encourages students to think deeply about mathematics and to apply it to everyday contexts.

The Maths Talent Quest is organised by the Student Activities Committee at The MAV and is open to all primary and secondary school students. It is a competition which aims to promote an interest in mathematics and to foster a positive attitude amongst students, teachers and parents alike. The focus of the Maths Talent Quest is on the process of mathematical investigations. Looking at real life situations and finding that maths is everywhere helps capture the imagination of all involved.

The Maths Talent Quest allows students to investigate mathematics on an individual, group or class basis with the chance to have fun, see mathematics in real life situations and receive recognition in the process.

All entrants receive a certificate. Vouchers will be awarded to the Distinction and High Distinction winners for each year level at the Awards Ceremony. The entries that receive a High Distinction at the State competition are judged separately, the top entries then forwarded for Judging in the National Maths Talent Quest. National Award Winners will be presented with their prizes at a separate ceremony held following the Victorian Awards Ceremony.

Now in its thirty fifth year, the MAV Maths Talent Quest has firmly established itself as a major feature of the mathematics calendar.

## **ACKNOWLEDGEMENT**

The Mathematical Association of Victoria would like to formally record its appreciation for the assistance and participation of all students, teachers, parents, volunteers, judges, sponsors, state associations and Australian Association of Mathematics Teachers.

Thank you to La Trobe University for their ongoing sponsorship of the Maths Talent Quest.

## **AWARDS CEREMONY PROGRAM**

9.00am	Registrations and seating allocation
9.45am	Seating: Award winners, sponsors and guests, parents, teachers and general public
10.00am	Welcome Outstanding Service Award
10.10am	National Awards
10.30am	Entertainment – The Math Show
10:45am	Presentation Outstanding School La Trobe Young Women in Mathematics Junior and Senior The Jim Trotter Perpetual State Awards (by year level) - High Distinctions - Distinctions
12:00noon	Conclusion

*Out of respect to their fellow entrants, students are requested to remain in their seats following the presentation of their award and to remain seated until the conclusion of the Ceremony.*

## **ACKNOWLEDGEMENT**

*La Trobe University and the MAV acknowledge the Wurrundjeri people as the traditional owners of the land upon which this Bundoora campus is located. We pay our respects to Elders past, present and future. We acknowledge the Aboriginal and Torres Strait Islander people who continue to contribute to the work of improving Indigenous learning, education and research.*

## **RECOGNITION AWARDS**

### **OUTSTANDING SERVICE AWARD**

The Award is presented to dedicated people who have given service to the success of the Maths Talent Quest.

### **OUTSTANDING SCHOOL AWARD**

The Award is presented to schools where entries are of high quality.

### **LA TROBE UNIVERSITY AWARD**

The Award is presented to young women in mathematics – one junior and one senior.

### **JIM TROTTER PERPETUAL AWARD**

The Jim Trotter Perpetual Award is dedicated to the memory of Jim Trotter who passed away on December 11, 1999. Jim was an active member of The Mathematical Association of Victoria's Student Activities Committee for a number of years, and was highly committed to energising both staff and students in interesting approaches to mathematics, and in particular the Maths Talent Quest.

The Award is presented annually to the best upper primary entry.

## Year Foundation

### HIGH DISTINCTION

---

#### CLASS

##### **Flower power**

Balwyn North Primary School

*FT*

##### **All things 100**

Balwyn North Primary School

*FC*

##### **The road trip**

Jells Park Primary School

*Foundation J*

##### **Money maths**

Milgate Primary School

*FEC*

*(National Entry)*

##### **Can Prep TH save the gingerbread man?**

Serpell Primary School

*Prep TH*

### DISTINCTION

---

#### CLASS

##### **How tall is a giraffe?**

Balwyn North Primary School

*FS*

##### **Alphamaths**

Balwyn North Primary School

*FL*

##### **Our beebot beehive**

Jells Park Primary School

*Mrs Cornall/Mrs Miritis' Numeracy Group*

##### **Pattern fish**

Jells Park Primary School

*Foundation F*

**Run, run as fast as you can!!**

Jells Park Primary School

*Foundation H*

**Playing with the friendly cards**

Milgate Primary School

*FJP*

**Our big day of maths- how much maths can we do in one day of school?**

Serpell Primary School

*Prep AS*

**Ten apples up on top by Prep OA**

Serpell Primary School

*Prep OA*

**Dear zoo**

Serpell Primary School

*PSD*

**PNA investigates The Very Hungry Caterpillar**

Serpell Primary School

**Prep NA**

**Moving maths**

Serpell Primary School

*Prep DP*

**Prep AA's 100 day party planning project**

Serpell Primary School

*Prep AA*

**Where do our families come from?**

St Theresa's Primary School

*PrepS*

**3, 2, 1 let it rip!**

Templestowe Park Primary School

*Prep S*

**Roaring rockets**

Templestowe Park Primary School

*Prep D*

**Lost teeth**

Templestowe Park Primary School

*Prep P*

## **INDIVIDUAL**

### **Measuring books**

St Margaret's Junior School  
*Shipra Patange*

**Year 1**

## **HIGH DISTINCTION**

---

### **CLASS**

#### **Miss Bienert, can we go on an excursion please?**

Balwyn North Primary School  
*1F*  
*(National Entry)*

## **INDIVIDUAL**

#### **Cooking up maths with yummy cookies**

St Margaret's Junior School  
*Anika Fazan*  
*(National Entry)*

## **DISTINCTION**

---

### **CLASS**

#### **How long is our classroom?**

Benton Junior College  
*109 and 110*

#### **Lemon squeeze**

Jells Park Primary School  
*1B Numeracy*

#### **Project Cinderella**

Regency Park Primary School  
*Grade 1*

#### **Goldilocks and the Three Bears**

Regency Park Primary School  
*Grade 1*

#### **Farm quest**

Templestowe Park Primary School  
*1B*

**Our sustainable garden quest**  
Templestowe Park Primary School  
*1E*

## **GROUP**

**How much water do we drink and how much fuel do we use in one week?**  
Northside Christian College  
*Tomisin Faniyi, Tobiloba Faniyi*

## **INDIVIDUAL**

**Whales**  
Lumen Christi College  
*Jacob Bezzina*

**How many students go to Lumen Christi?**  
Lumen Christi College  
*Nicolas O'Brien-Cetinic*

**What size backyard for a puppy**  
Melbourne Girls Grammar School  
*Grace Hallifax*

## **Year 2**

## **HIGH DISTINCTION**

---

### **CLASS**

**2M's environment and resources MTQ**  
Balwyn North Primary School  
*2M*  
*(National Entry)*

### **GROUP**

**How many squares in a chessboard?**  
Lumen Christi College  
*Camilo Ardila Garcia, Ambrose Alex*  
*(National Entry)*

### **INDIVIDUAL**

**Do you believe in magic?**  
Carey Baptist Grammar School  
*Samuel Vazquez Bower*



**Which dance should I choose?**

Courtenay Gardens Primary School  
*Gracy Chauhan*

**Why can't I afford a mobile phone yet?**

Penleigh and Essendon Grammar  
*Sammy Medina Sanna*  
(National Entry)

**Expensive petrol**

St Margaret's Junior School  
*Seyara Munasinghe*

**DISTINCTION**

---

**CLASS**

**Basketball maths**

Benton Junior College  
*233 and 234*

**Grade 2 mathematicians**

Malvern Valley Primary School  
*Grade 2*

**Counting sheep**

Richmond Primary School (TAS)  
*1/2B*

**Basketball mathematics**

St Peter Julian Eymard School  
*Junior Level Maths Extension*

**How many cookies in the cookie jar?**

Templestowe Park Primary School  
*(1/2 T)*

**GROUP**

**What day were you born on?**

Montmorency South Primary School  
*Zadie Kranz, Oliver Allport, James Goodhew*

**Which route is best to take from Melbourne to Sydney: Inland or coastal?**

Northside Christian College  
*Richard Wijaya, Sahil Mittal*

**Raising the temperatures of 2T**

Regency Park Primary School  
*Adrian Phung, Noah Eletr, Hanchin Lin, Samuel Kyprianou*

## **INDIVIDUAL**

### **The amazing plastic takeover**

Carey Baptist Grammar School  
*Isabella Gaven*

### **Who will be the tallest in my family?**

Carey Baptist Grammar School  
*Aakash Garg*

### **Isaac's space project**

Carey Baptist Grammar School  
*Isaac Nayef*

### **My new house design**

Courtenay Gardens Primary School  
*Aaryan Abid*

### **Who's the sleepyhead?**

Mentone Grammar  
*Lily Kerr*

### **The most cost effective way of getting to school**

Mentone Grammar  
*Kallis Bernasconi*

### **The best international batsman and bowler in cricket**

Mentone Grammar  
*Rahul Aravindth*

### **2018 AFL day game vs night game attendances**

Mentone Grammar  
*Mika Arvanitakis*

### **Comparing puppy litters**

Mentone Grammar  
*Christopher Hobbs*

### **Count your cake and eat it too**

Penleigh and Essendon Grammar  
*Jack De Fazio*

### **The purrefect pet**

Penleigh and Essendon Grammar  
*Georgie Armstrong*

### **Can a seven year old climb the world's tallest mountain?**

Penleigh and Essendon Grammar  
*Asha Newbound*

**LOL surprise price investigation**

Penleigh and Essendon Grammar  
*Ashleigh Tan*

**Best foods to eat after a triathlon**

Penleigh and Essendon Grammar  
*Charlotte Thai*

**How to grow a You Tube channel in 5 weeks.**

Penleigh and Essendon Grammar  
*Annabelle Tsen*

**Pyramid scale model**

St Margaret's Junior School  
*Dmitry Premaratne*

**Temperature and rainfall**

St Margaret's Junior School  
*Jackson Utan*

**Changing rooms**

St Margaret's Junior School  
*Zaynah Afsheen*

**Year 3****HIGH DISTINCTION**

---

**CLASS****Bee careful around the volcano**

Jells Park Primary School  
*Mr. Noordhoff's Maths Group*  
*(National Entry)*

**GROUP****The Trebuchet Project**

Camberwell Primary School  
*Atticus Holt, Thomas Elliot*

**Hot air ballooning around the world**

Carey Baptist Grammar School  
*Caitlin Lui, Aaliyah Wong*

**Water savers**

Croydon Hills Primary School  
*Anna Langelaan, Scarlett Martens-Mullaly, Brianna Kehoe, Olivia Angilletta, Tahlia Dane*  
*(National Entry)*

**Average heights; weights of NBA players**

Lumen Christi College

*Luke Cornock, Dion Karacsonyi*

**INDIVIDUAL**

**Ultimate chocoholic**

Camberwell Primary School

*Imogen Byrne*

**Wasting cups and straws in my dad's café**

Carey Baptist Grammar School

*Eve Tsesmelis*

**Shocked!**

Courtenay Gardens Primary School

*Riviru Rajapaksha*

**Mount Fuji**

Jells Park Primary School

*Isha Bhugun*

**How popular is Minecraft?**

Mentone Grammar

*Rhys Basin*

**All about apples**

Windsor Primary School

*David Perez*

**Crossy maths**

Windsor Primary School

*Millie Faichney*

*(National Entry)*

**DISTINCTION**

---

**CLASS**

**Let's have a baby shower!**

Balwyn North Primary School

3S

**Hawaii home rebuild**

Jells Park Primary School

*Miss Mayer's Maths Group*

**Pallets to plants**

Jells Park Primary School

*Miss Lakeman's Maths Group*

**Switched-On Sustainable Minds**  
Templestowe Park Primary School  
3K

## **GROUP**

**Analysis of time management**  
Camberwell Primary School  
*Tanishka Aggarwal, Svara Joshi*

**Wands**  
Firbank Grammar  
*Maddie Smith, Pippa Morgan*

**Honey joy maths**  
Jells Park Primary School  
*Ruby Murphy, Emily Forbes*

**Comparing dog heights to giraffes**  
Lumen Christi College  
*Mya Docherty, Kiarra Strong, Sarah O'Connor*

**Comparing the size of animals to us**  
Lumen Christi College  
*Mithran Murali, Jared Noronha*

**E.A.L. parents helping their children read**  
Windsor Primary School  
*Akku Prajapati, Luara Medeiros, Mila Hristova*

**Footy stats**  
Windsor Primary School  
*Huey Robinson, Angus King*

## **INDIVIDUAL**

**Area and perimeter of a house**  
Firbank Grammar  
*Issy Fox*

**Input and output of a unicorn**  
Geelong Grammar School  
*Amelie Barras*

**Worth my weight**  
Jells Park Primary School  
*Grace Carter*

**My mathematical adventure**  
Jells Park Primary School  
*Jakara Beard*

**Water falls, prices rise**

Jells Park Primary School  
*Rachel May*

**Less water**

Jells Park Primary School  
*Chelsea Johnson*

**Comparing reading times for my favourite books**

Melbourne Girls Grammar School  
*Ariana Szoeki-Campbell*

**How much water is used in the shower at home?**

Mentone Grammar  
*Nikolas Lynch*

**How much time does a grade 3 student contribute to house chores weekly**

Penleigh and Essendon Grammar  
*Leah Gui*

**My imaginary African village**

Penleigh and Essendon Grammar  
*Matea Purcell*

**Transforming my house to dream level**

St Brigid's  
*Nicholas Roper*

**How much money does it cost to have my dog?**

St Kilda Park Primary  
*Erin Yates*

**Comparison of two pieces of piano music**

St Margaret's Junior School  
Pym Cook

**Year 4**

**HIGH DISTINCTION**

---

**CLASS**

**Building native nesting boxes – where is the maths?**

Carey Baptist Grammar School  
*Year 4 Carey Donvale*  
*(National Entry)*

## **GROUP**

### **The greatest equation!**

Croydon Hills Primary School  
*Anderson Lynch, Tara Hutton*

### **Decorate your own lolly house**

Jells Park Primary School  
*Abigail Chew, Lucas Chee, Marcus Chee*

### **Rocket launching**

Mentone Grammar  
*Alex Burrows, Henry Przychodzen*  
*(National Entry)*

## **INDIVIDUAL**

### **My cat and me**

Carey Baptist Grammar School  
*Gracie Mok*

### **Supermarket maths**

Firbank Grammar School  
*Mary Lazar*

### **Maths in the cosmos**

Mentone Grammar  
*Kristof Buschkuehl*

### **Junk Mail-Is it just a big waste?**

Penleigh and Essendon Grammar  
*Isabella McDonough*

### **How many trees are cut down every year to make toilet paper for the average Australian family?**

St Brigid's  
*Keighley Chester*

### **Supermarket wars**

St Michael's Grammar School  
*Ruby Leibowitz*  
*(National Entry)*

### **GO TO SLEEPover!**

St Thomas More Primary School  
*Marisa Di Nuzzo*

## **DISTINCTION**

---

### **CLASS**

#### **How much do we grow in Primary school?**

Benton Junior College

*417*

#### **Erupting maths**

Jells Park Primary School

*Miss Little's Maths Group*

#### **Burke and Wills, maths could have helped you!**

St Theresa's Primary School

*Year 4*

### **GROUP**

#### **Tiger vs Kangaroo**

Carey Baptist Grammar School

*Nathan Wu, William Jia*

#### **Litter stoppers**

Coatesville Primary School

*Kalliopi Tzimourtas, Olivia Fitzpatrick, Erika Malu, Alanah Duryea-Taylor, Emily Benson, Amelie Biencourt*

#### **It's okay to be different!**

Courtenay Gardens Primary School

*Ava Sevenhuysen, Shannon Ruddick*

#### **Potter people**

Croydon Hills Primary School

*Lily Tough, Mia Parkin, Tahli Rice*

#### **Investigating the total distance and time taken to walk and drive from home to school and return in a year.**

East Launceston Primary School (TAS)

*Rowan Annis, Eve Bowden*

#### **Algebra architects**

Firbank Grammar School

*Jason Chen, Sid Shastry, Lucas Jiang*

#### **Whales and their adaptations**

Jells Park Primary School

*Arvin Lee, Elliot McGrath*

#### **Ozobot random**

Lilydale Primary School

*Lachlan McCall, Peter Bouw, Korbyn Quinette-Phillips*



**Jupiter mission**

Milgate Primary School  
*Annabelle Tan, Alroy Yeung*

**Salaries, spend or save?**

Milgate Primary School  
*Isabel van Geysel, Joy Zhang*

**Can I be a junior master chef?**

Milgate Primary School  
*Fiona Huang, Charlotte Iuel, Eden Murphy, Esther Ow*

**Who has better batting stats: Virat Kohli or Steve Smith?**

Northside Christian College  
*Aryan Mittal, Ezra Horneman*

**Average number of moves required to solve a 2x2 and 3x3 Rubik's cube**

Port Melbourne Primary School  
*Jesse Wright, Evan Christou*

**Cat maths**

Regency Park Primary School  
*Hannah Lin, Isabelle Heinley*

**Popcorn wars**

Windsor Primary School  
*Hayley Schurr, Trinity Johnston, Alya Sunarto, Diamond Lynch, Emily Pham*

**INDIVIDUAL****Housing a horse**

Carey Baptist Grammar School  
*Lilian Chen*

**How fast is fast food?**

Courtenay Gardens Primary School  
*Aarum Lisbon*

**Mathennis**

Courtenay Gardens Primary School  
*Noah Dergham*

**Blast Off!!! A calculation to see if it is possible to get a toy rocket into space.**

Geelong Grammar School  
*Sky Kumata*

**Paper aeroplane**

Melbourne Girls Grammar School  
*Elle Ladakis*

**How fast will the 100 meter sprint be in 100 years?**

Mentone Grammar

*Sarabjeet Dawar*

**Maths in roller hockey**

Mentone Grammar

*Alice Fletcher*

**Shower time! My family's water usage in the shower**

Mentone Grammar

*James Evans*

**Can we predict a new freestyle swimming record time at the 2020 Olympics?**

Mentone Grammar

*Hudson Close*

**How fast is a V-Line train compared to a Bullet train?**

Northside Christian College

*Joshua Wijaya*

**To buy or not to buy**

Penleigh and Essendon Grammar

*William Cheah*

**Dad, can we have a Tesla?**

Port Melbourne Primary School

*Pranav Mittal*

**Uniform maths**

Regency Park Primary School

*Julie Quach*

**The ultimate triathlon**

St Michael's Grammar School

*Jerome Palmer*

**Year 5**

**HIGH DISTINCTION**

---

**CLASS**

**The impossible maths problem**

Benton Junior College

526

**An investigation into speed and kinetic energy**

Jells Park Primary School

*5T maths group*

*(National Entry)*

## **GROUP**

### **Powered by maths**

Jells Park Primary School

*Jayden Huang, James Bainbridge, Lawrence Wu*

### **Yanny or Laurel?**

Milgate Primary School

*Alysha Vuong, Ruby Chandler, Chyna Angeloglou*

### **Buying vs growing**

Windsor Primary School

*Isabella Solarte, Poppy McDonald*  
*(National Entry)*

## **INDIVIDUAL**

### **How many soccer goals will Cristiano Ronaldo, from Portugal, score in the next 5 years, 2018 to 2022?**

East Launceston Primary School (TAS)

*Thomas Allen*

*(National Entry)*

### **Reduce, reuse and recycle**

Melbourne Girls Grammar School

*Errin Lee*

### **Future prices of gold and oil. Which will be more valuable?**

Mentone Grammar

*Matthew Shing*

*(National Entry)*

### **How much human energy does it take to fuel a car?**

St Kilda Park Primary

*Millie Aiken Ericson*

## **DISTINCTION**

---

## **GROUP**

### **What would the impact be of an asteroid hitting Earth?**

East Launceston Primary School (TAS)

*Caitlin Douglas, Jaelee Morcom-Wright*

*(National Entry)*

### **The money in building a shop**

Firbank Grammar

*Martha Ickeringill, Jolene Zheng, Stella Cameron*

**The maths of Sims 4**

Lumen Christi College

*Roxie King, Hanna Rutkowski*

**Which wheels make cars faster?**

Lumen Christi College

*Ryan Pratikno Saam Dastgahi*

**How much would it cost to go to Hogwarts?**

Lumen Christi College

*Rebecca Blassis, Georgia Robson, Ruby Franklin, Erin Benson*

**How much does a homemade hot chocolate cost compared to a store bought hot chocolate**

Melbourne Girls Grammar School

*Julia Ades, Ava Nguyen*

**Beating away**

Milgate Primary School

*Sophia Tanuwidjaja, Samyue Lam, Olivia Mosely, Escha Richardson, Ava McNamara*

**How shapes and angles affect how a paper plane flies**

Mount View Primary School

*Rishwanth Kurra, Michael Fashik, Dulan Yasamana, Humphrey Chen*

**For the love of money or for the love of the game**

Penleigh and Essendon Grammar

*Oskar Sandner, Jonathan Yarak*

**Block of choc**

Regency Park Primary School

*Ashleigh Rawlings, Sadie Carey*

**The gender pay gap**

Windsor Primary School

*Elinor King, Grace Rogerson*

**Our trip to London**

Windsor Primary School

*Amelia Sutherland, Lily Hutchins, Madeline Doughty*

**INDIVIDUAL****Learning maths in basketball**

Courtenay Gardens Primary School

*Lachlan Johns*

**Walking the world**

Jells Park Primary School

*Archer Johnson*

**Show jumping**

Melbourne Girls Grammar School

*Amelia Tsilfidis*

**Weather data: Edinburgh v Melbourne**

Mentone Grammar

*Lucy Riddle*

**Deforestation around the globe: Deforestation in forests**

Mentone Grammar

*Aaron Britter*

**Which car is more cost effective to run in one year: Toyota Yaris or Nissan Pathfinder?**

Mentone Grammar

*Sarah Chun*

**The house**

St Margaret's Junior School

*Mariska Matin*

**Lasagne maths**

Tintern Grammar

*Elijah Hanna*

**How many vowels are there in the Hunger Games trilogy?**

Toorak Primary School

*Hunar Nijjer*

**Year 6****High Distinction**

---

**GROUP****Housing affordability**

East Launceston Primary School (TAS)

*Maisie Howard, Lulu White*

*(National Entry)*

**How much would it cost to design, build and run a school for a year?**

Port Melbourne Primary School

*Kiki Stevens, Frankie Birkett, Sophie Johnson*

*(National Entry)*

**As the months get hotter, does the current timetable put primary school students at risk?**

Port Melbourne Primary School

*Siena Farrell, Caitlin Voss, Harriet Kogler*

**Harry Potter versus Star Wars**

Wattle Park Primary School

*Isabella He, Tara Choi, Melanie Chin*

**Waste in the water**

Windsor Primary School

*Trinity De Lance, Chloe Saliaris, Madeleine Fenton*

**The perfect bird house**

Windsor Primary School

*Zoe Morris, Ashton Doughty, Amelie Bryant*

**INDIVIDUAL**

**Toastie town**

Jells Park Primary School

*Emma Holbrook*

*(National Entry)*

**How does my dinner affect our planet?**

Milgate Primary School

*Patrick Murphy*

**Singin' in the rain**

Northside Christian College

*Sarah Halden*

**Measuring faces**

PEGS

*Eric Kouloyan*

**Could Serena Williams' fastest serve power my home for a day?**

Port Melbourne Primary School

*Stella Kirkham*

**What would be the effect on Melbourne if the train capacity doubled?**

Port Melbourne Primary School

*Maya O'Halloran-Scott*

**Victoria's challenges in 2025**

Port Melbourne Primary School

*Ben Kuklych*

**Rolling maths**

Regency Park Primary School

*Naomi Sunderman*

## **DISTINCTION**

---

### **CLASS**

#### **How will Australians adapt to future Australia?**

Brunswick East Primary School  
Ebony's group

### **GROUP**

#### **Get nailed with maths!**

Courtenay Gardens Primary School  
*Sandramaria Sampath Kumar, Akshara Yannam, Vinamraa Naidu*

#### **Maths in Aths**

Milgate Primary School  
*Crystal Yang, Kaela Tan, Chloe Lau*

#### **Are the canteen prices fair?**

Milgate Primary School  
*Kanishk Misra, Ivan Li, Thai Bui, Mika Amaratunga*

#### **Milgate playground investigation**

Milgate Primary School  
*Charlie McKenzie, Alex Wilson*

#### **The Vitruvian Man theory**

Montmorency South Primary School  
*Ella Jones, Aaron Doyle, Gabriel Tran, Billy Cooper, Isabella Sadowsky*

#### **Say cheese!**

Our Holy Redeemer  
*Jamie Earr, Derick Luu, Lucas Mak, Mark Wang*

#### **How much would it cost to run and maintain an eco-friendly doughnut shop on water over the Summer months?**

Port Melbourne Primary School  
*Madelyn Brown, Philip Markovski*

#### **Card maths**

St Anne's Primary  
*Carlo Carboni, Corey Haas*

#### **Does banning plastic bags affect our families?**

St Anne's Primary  
*Angus Boell, Michael Clarke*

#### **On average, how much sleep do the 5/6s get and how does it affect their learning?**

St Brigid's  
*Tyra Donkin, Tiah Spencer, Megan Schelfhout*

**How Carrah came to be.**

St Brigid's

*Aislinn Chester, Anna Hirst, Rachael Roper*

**Computers**

St Dominic's Primary School Broadmeadows

*Ryan So, Martin Nguyen*

**Sleep**

Windsor Primary School

*Minka Lukey, Rubyanna Taylor, Eve Cartwright, Lily Ejaz*

**Gap year holiday - France vs U.S.A.**

Windsor Primary School

*Ava Flynn, Sophia Bowden, Aurelia Harvey, Madeline Graham*

**Malaria**

Windsor Primary School

*Sohrab Abbasi, Akira Georgiou*

**INDIVIDUAL**

**Analysis of my golf putting skills**

Camberwell Primary School

*Johan Adrians*

**DYI or buy?**

Carey Baptist Grammar School

*Nadia Kober*

**Spiral plants**

Home Education

*Edmund Barry*

**5,6,7,8 dance**

Jells Park Primary School

*Jess Wongprasartsuk*

**Richmond's road to glory**

Jells Park Primary School

*Mitchell Dean*

**Synthetic vs instant grass, which is cheaper?**

Keilor Heights Primary School

*Shanice Madikiza*

**Measuring the tallest mountains with trigonometry**

Lumen Christi College

*Natesh Nagarajah*



**What is the change in Australian temperature and rainfall?**

Mentone Grammar  
*Callum Orr*

**Who would have been drafted?**

Mentone Grammar  
*Michelle Fong*

**Eating my way around the world**

Our Holy Redeemer  
*Sophie Chinnock*

**Can I have an iPhone**

Penleigh and Essendon Grammar  
*Sienna Gauci*

**Volcano cake**

Windsor Primary School  
*Tom Morris*

**Pencil box design**

Windsor Primary School  
*Olivia Wooldridge*

**Year 7**

**HIGH DISTINCTION**

---

**INDIVIDUAL**

**Max's PC workshop**

Wesley College  
*Max Huang*  
*(National Entry)*

**DISTINCTION**

---

**GROUP**

**Behind the broom**

Princes Hill Secondary College  
*Genevieve Boardroom, Keira Grover*  
*(National Entry)*

**INDIVIDUAL**

**Bicycles: A revolutionary invention**

Benalla P-12 College  
*Oliver Hall*

**A comparison of the number of waking hours of Year 7s and 11s**

Canterbury Girls' Secondary College

*Helia Darivandi*

**The fuel debate**

Northside Christian College

*Joshua Chitrathomas*

**Year 8**

**HIGH DISTINCTION**

---

**GROUP**

**How ground**

Viewbank

*Ned Olsen, Daniel He, Hamish McColl*

*(National Entry)*

**INDIVIDUAL**

**The mathematics of rollercoasters**

Tintern Grammar

*Abigail Chai*

*(National Entry)*

**Composing music**

Viewbank College

*Charlotte Yates*

**DISTINCTION**

---

**INDIVIDUAL**

**Designing and landscaping a front and back yard**

Catherine McAuley College

*Tahlia Isaac*

**Compound interest**

Emmanuel College

*Sophie Bridges*

**Should we be sewing our own cloths?**

Glen Eira College

*Penny McNeill*

## Year 9

### HIGH DISTINCTION

---

#### INDIVIDUAL

##### **Rock bottom**

Tintern Grammar

*Joshua Choong*

*(National Entry)*

### DISTINCTION

---

#### GROUP

##### **Maths and bee wax**

Viewbank College

*Emma Parfitt, Daniel Gigliotti*

#### INDIVIDUAL

##### **Mathematical concepts in the world around us**

Tintern Grammar

*Adam Choong*

## Year 10 - 12

### HIGH DISTINCTION

---

#### GROUP

##### **The monopoly game**

Northside Christian College

*Shemara Karunaratne, Dimitra Karkaloutsos, Gabriel Callado*

*(National Entry)*

#### INDIVIDUAL

##### **Mathematics and medical imaging**

Tintern Grammar

*Gavin Choong*

*(National Entry)*

## **DISTINCTION**

---

### **CLASS**

**Cannonball experiment**  
Catholic College Wondonga  
*Year 10 Extension Maths*

### **INDIVIDUAL**

**Maths and fractals**  
Tintern Grammar  
*Josephine Owen*